# Documentation for Income Editing for 2019 Data

## Purpose

The purpose of the income-editing task is to edit and impute 18 types of incomes. Additionally, the task results in the creation of Health Insurance Eligibility Units (HIEUs), the generation of Current Population Survey (CPS) family identified (FAMID)-level categorical poverty variables needed by Westat to create the MEPS poverty-adjusted person-level weight, and the creation of income variables specifically for release to the public in the Full Year (FY) Consolidated Public Use File (PUF).

## Programs

The following table provides a high-level description of the programs used to analyze the 2019 data.

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| Program Name | Description | Input dataset(s) | Output dataset(s)/file(s) |
| **\_01\_CPS20INC** | Create CPS data and calculate average income amounts reported in CPS | ASCII data (ASEC2020PUBUSE) and SAS data (FFPUB20.sas7bdat and PPPUB20.sas7bdat) downloaded from Census website | CPS20INC.sas7bdat |
| **\_02\_INCO19V2** | Combine delivered datasets into one | 2019 data:  INCO19V1.sas7bdat,  USEWGT19.sas7bdat  cpsp2219f.sas7bdat  cpsp2319f.sas7bdat | INCO19V2.sas7bdat |
| **\_02\_CK\_INCO19v1** | Explore the changes in 2019 income data | 2019 data:  INCO19V1.sas7bdat,  2018 data:  INCO18V1.sas7bdat, | No |
| **\_03\_VARSTR19** | Create 2019 skinny FY data with 4 variables only: PERSID, VARSTR, VARPSU, and PANEL | 2019 data:  INCO19V2.sas7bdat  SPR19BHR.sas7bdat | VARSTR19.sas7bdat |
| **\_04\_INCA** | Get info from PRND and HOME  Create summary variables and TFUID, TFUSIZE, and FILERX | 2019 P23/24 segment files PRND and HOME,  INCO19V2.sas7bdat,  2018 data: INC1804.sas7bdat | INCA.sas7bdat |
| **\_04\_Review\_INCA (Review)** | Compare results on INCOYYV2 and INCA between two years of income data | 2019 data: INCA.sas7bdat, VARSTR19.sas7bdat  2018 data: INCA.sas7bdat | Review\_INCA.xlsx |
| **\_04\_INCA\_PRNDHOME** | Compare variables from PRND and HOME in INCA between two years of income data | 2019 data: INCA.sas7bdat,  VARSTR19.sas7bdat  2018 data: INCA.sas7bdat, | Review\_INCA\_PRNDHOME.xlsx |
| **\_05\_PERSWK19** | Count # of weeks worked during the year | 2019 data: INCA.sas7bdat, INCO19V2.sas7bdat,  2019 P23 and P24 PRND segment files,  2018 data: perswk18.sas7bdat | PERSWK19.sas7bdat |
| **\_05\_ Review\_PERSWK (Review)** | Compare results on PERSWKYY between two years of income data | 2019 data: PERSWK19.sas7bdat  2018 data: PERSWK18.sas7bdat | Review\_PERSWK.xls |
| **\_06\_ANNERN19** | Calculate annual earnings from the JOBS files | 2019 data: INCO19V2.sas7bdat,  PRND JOBS. sas7bdat,  PRTPFY19.sas7bdat | SAS datasets: DONOROUT, RECIPOUT,PREHDECK, RECIPOU2, DONOROU2, PREHDECK2, ANNERN19 |
| **\_06\_Review\_ANNERN (Review)** | Compare results on ANNERN between two years of income data | 2019 data: ANNERN19.sas7bdat,  2018 data: ANNERN18.sas7bdat | Review\_ANNERN.xls |
| **\_07\_INCB** | Combine loops 2 and 9 income amounts | 2019 data: INCA.sas7bdat,  INC19NHIS.sas7bdat | INCB.sas7bdat |
| **\_07\_Review\_INCB (Review)** | Compare results on INCB between two years of income data | 2019 data: INCB.sas7bdat, VARSTR19.sas7bdat  2018 data: INCB.sas7bdat | Review\_INCA.xls |
| **\_08\_INCC** | Edit wage and loops 3-8 income variables | 2019 data:  INCB.sas7bdat, ANNERN19.sas7bdat, PERSWK19.sas7bdat  2018 data: INCC.sas7bdat | INCC.sas7bdat |
| **\_08\_INCC (Review)** | Compare results on INCC between two years of income data | 2019 data: INCC.sas7bdat  2018 data: INCC.sas7bdat | Review\_INCC.xls |
| **\_09\_INCD** | Edit wage and business incomes create person-level industry code and occupation code from JOBS and JOBSppyyX files | 2019 data: INCC.sas7bdat,  JOBS. sas7bdat,  JOBS2319X.sas7bdat, JOBS2419X. sas7bdat  2018 data: INCC.sas7bdat | INCD.sas7bdat, |
| **\_09\_ Review\_INCD (Review)** | Compare results on INCD between two years of income data | 2019 data: INCD.sas7bdat  2018 data: INCD.sas7bdat | Review\_INCD.xls |
| **\_10\_INCE** | Impute MEANSTST and SSI edit person-level wage variables edit TFU-level income amounts | 2019 data: INCD.sas7bdat  EVINS19.sas7bdat | INCE.sas7bdat,  hotdeck output file for HDMEANS and SSI\_E |
| **\_10\_ Review\_INCE (Review)** | Compare results on INCE between two years of income data | 2019 data: INCE.sas7bdat  2018 data: INCE.sas7bdat | Review\_INCE.xls |
| **\_11\_INCF** | Impute wage | 2019 data: INCE.sas7bdat | INCF. sas7bdat,  HD(1-4)WAGE |
| **\_12\_INCG** | Impute interest | 2019 data: INCF. sas7bdat  2018 data: INC1804.sas7bdat | INCG. sas7bdat,  HD(1-4, 3N) INTR |
| **\_13\_INCH** | Impute business | 2019 data: INCG. sas7bdat | INCH.sas7bdat,  HD1BUSN,  HD2BUSN |
| **\_14\_INCJ** | Impute dividend | 2019 data: INCH. sas7bdat | INCJ. sas7bdat,  HD(1-4,3N) DIVD |
| **\_15\_INCL** | Impute alimony | 2019 data: INCJ. sas7bdat | INCL. sas7bdat,  HD2ALIM |
| **\_16\_INCM** | Impute sales | 2019 data: INCL. sas7bdat | INCM.sas7bdat,  HD(1,2) SALE |
| **\_17\_INCN** | Impute trust | 2019 data: INCM. sas7bdat | INCN.sas7bdat,  HD(1-4)TRST |
| **\_18\_INCO** | Impute pension | 2019 data: INCN. sas7bdat | INCO.sas7bdat,  HD(1-4,3N)PENS |
| **\_19\_INCP** | Impute IRAs | 2019 data: INCO. sas7bdat | INCP.sas7bdat,  HD(1,2)IRAS |
| **\_20\_INCQ** | Impute social security | 2019 data: INCP. sas7bdat  INC19NHIS.sas7bdat | INCQ.sas7bdat,  HD(1-5,3N)SSEC |
| **\_21\_INCR** | Impute unemployment insurance | 2019 data: INCQ. sas7bdat | INCR.sas7bdat,  HD(1,2)UNEM |
| **\_22\_INCS** | Impute workers’ Compensation | 2019 data: INCR. sas7bdat | INCS.sas7bdat,  HD(1,2)WCMP |
| **\_23\_INCT** | Impute veteran benefits | 2019 data: INCS. sas7bdat  2019 data: INCO19V1.sas7bdat | INCT.sas7bdat,  HD2VETS |
| **\_24\_INCU** | Edit cash | 2019 data: INCT. sas7bdat | INCU.sas7bdat |
| **\_25\_INCV** | Edit other income | 2019 data: INCU. sas7bdat | INCV.sas7bdat |
| **\_25\_INCV (Review)** | Compare two year’s results | 2018 data: INCV and HD output data  2019 data: INCV and HD output data | Review\_INCV.xls |
| **\_26\_HIEU19R** | Create HIEU ID | 2019 data:  INCA.sas7bdat  INCO19V1.sas7bdat  MOMDAD19.sas7bdat | HIEU19R.sas7bdat |
| **\_26\_Review\_HIEU (Review)** | Compare two year’s results | 2019 data: HIEU19R.sas7bdat  2018 data: HIEU18R.sas7bdat | Review\_HIEU.xls |
| **\_27\_INCW** | Impute child support | 2019 data:  INCV.sas7bdat,  HIEU19R.sas7bdat | INCW.sas7bdat,  HD1CHLD |
| **\_28\_INCX** | Impute supplemental social security (SSI) | 2019 data:  INCW.sas7bdat  CPS19INC.sas7bdat | INCX.sas7bdat,  HD1SSI,  HD0SSI |
| **\_29\_INCY** | Impute public assistance | 2019 data:  INCX.sas7bdat  INCO19V1.sas7bdat | INCY.sas7bdat |
| **\_29\_ Review\_INCY (Review)** | Compare two year’s results | 2019 data: INCY.sas7bdat and DOUTDATA/PREHDECK for each HD  2018 data: INCY.sas7bdat and DOUTDATA/PREHDECK for each HD | Review\_INCY.xls |
| **\_30\_POS** | Identify persons who are needed to re-edit social security and SSI | 2019 data:  INCY.sas7bdat  INC19NHIS.sas7bdat  2018 data: personsx18.sas7bdat  2017 data:  personsx17.sas7bdat | POS.sas7bdat |
| **\_31\_INCZ** | Impute social security and edit SSI | 2019 data:  INCY.sas7bdat  INC19NHIS.sas7bdat  INCP.sas7bdat  POS.sas7bdat | INCZ.sas7bdat |
| **\_31\_ Review\_INCZ (Review)** | Compare two year’s results | 2019 data: INCZ.sas7bdat  2018 data: INCZ.sas7bdat | Review\_INCDATA.xls |
| **\_32\_INC1901** | Create poverty variables based on non-masked incomes | 2019 data: INCZ.sas7bdat  CPS20INC.sas7bdat  CPS19INC.sas7bdat  2018 data: INC1804.sas7bdat | INC1901.sas7bdat |
| **\_32\_Review\_INC1901 (Review)** | Compare two year’s results | 2019 data: INC1901.sas7bdat  2018 data: INC1801.sas7bdat | Review\_INC1901.xls |
| **\_33\_WEPOV191** | Create a small file with poverty category variable for post-stratification of the person-level weight at Westat | 2019 data: INC1901.sas7bdat | WEPOV191.sas7bdat |
| **\_34\_INC1902** | Create imputation flags | 2019 data:  INC1901.sas7bdat, INCZ.sas7bdat, INCL.sas7bdat  2018 data: INC1804.sas7bdat | INC1902.sas7bdat |
| **\_35\_INC1903** | Create masked income variables | Each year need new values for GUIDE96, i.e., poverty guidelines by family size for Hawaii, Alaska, and all other states and DC.  Also need to update amounts in STATEA (NEED96) and STATEB (PMT96) formats.  2019 data: INC1902.sas7bdat, INCZ.sas7bdat, INCO19V1.sas7bdat | INC1903.sas7bdat and TOPCODE DATA SETS |
| **\_36\_INC1904** | Create poverty variables from masked incomes | 2019 data: INC1903.sas7bdat | INC1904.sas7bdat |
| **\_37\_INC19PUF** | Create a dataset with masked income variables and unedited PRND variables included in the FY PUF | 2019 data: INCZ.sas7bdat, INC1904.sas7bdat 2019 P23/P24 segment files PRND and HOME 2019 FY pop data | INC19PUF.sas7bdat |
| **\_37\_Review\_INC19PUF (Review)** | Compare results on INC1902-INC1904 and INC19PUF between two years of income data | INC1804.sas7bdat and INC18PUF.sas7bdat  INC1904.sas7bdat and INC19PUF.sas7bdat | Review\_INC19PUF.xls |