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DSSD A.C.E. REVISION II MEMORANDUM SERIES # PP-33

MEMORANDUM FOR	Donna Kostanich Chair, A.C.E. Revision II Planning Group
From:	Deborah Fenstermaker Chair, A.C.E. Revision II Duplicate Subgroup
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Subject:	Documentation of the Analysis Files for Further Study of Person Duplication

This memorandum documents additional information merged onto the analysis files for the Source person record and Target Person record of each link. Table 1 shows the initial variables from the matching processing done by the Further Study of Person Duplication. The additional tables document what variables are being merged on for analysis purposes. Each table provides the names, descriptions and file sources for these variables added to the analysis files.

I. Variables and Information from Initial Files

Initial Files: MODEL_<LCO>.DAT

Table 1 below shows the initial information to be obtained from the MODEL_<LCO>.DAT files from the computer matching Further Analysis of Person Duplication.

File Name	Variable Name	Variable Description	Location on MODEL_<LCO>.DAT	Length
Matching File	SID	Source Person ID See Below	1	19
	SRPLNAME	Source Last Name	134	15
	SPFNAME	Source First Name	121	13
	SPMI	Source Middle Initial	150	1
	SCPAGE	Source Computed Age	158	3
	SRMOB	Source Month of Birth	152	2
	SRDOB	Source Day of Birth	155	2
	TID	Target Person ID PUID(12)/PSEQ(2)/PNC(5)	61	19
	TRPLNAME	Target Recoded Last Name	176	15
	TRPFNAME	Target First Name	162	13
	TPMI	Target Middle Initial	192	1
	TCPAGE	Target Computed Age	200	3
	TRMOB	Target Month of Birth	194	2
	TRDOB	Target Day of Birth	197	2

Variable Name	Variable Description	Location on MODEL_<LCO>.DAT	Length
BLOCKID	Blocking ID for Regular Second Stage Processing	414	8
IBLOCKID	Blocking ID for Inverted Second Stage Processing	423	8
MSCORE	Match Score for Modeling	364	10.7
	From Second Stage if 2+ links between Housing units		
	From First Stage if HU to GQ Link or only one link between housing units		
FMSCORE	Match Score for Regular First Stage Processing	204	10.7
IFMSCORE	Match Score for Inverted First Stage Processing	215	10.7
SMSCORE	Match Score for Regular Second Stage Processing	226	10.7
ISMSCORE	Match Score for Inverted Second Stage Processing	237	10.7

This File contains the following types of links:

Source	Target
E-sample Records	Census HU (FINST = 1 and 3 and RT = 3) Deleted Hus (FINST = 4) Group Quarters (RT= 5)
P-sample Records	Census HU (FINST = 1 and 3 and RT = 3) Deleted Hus (FINST = 4) Group Quarters (RT= 5)

Unique Source Person ID: Source ID (SID)

How to determine if P-sample or E-sample record?

P-sample records have a blank in the 19th space of the SID variable. E-sample records do not.

Unique Person ID for P-sample records (SID)

CLUST(6)/MSN(5)/WMSN(4)/MOVER(1)/PER(2)

MOVER was a character variable set by Mule using production data. The remaining variables are the unique identifier for a P-sample record.

Unique Person ID for E-sample records (SID)

PUID(12)/PSEQ(2)/PNC(5)

Unique HU ID for P-sample record:

First 15 characters of the Person ID (SID):   CLUST(6)/MSN(5)/WMSN(4)

Unique HU ID for E-sample record:

First 12 characters of the Person ID (SID):   PUID from HCUF

II.   Additional Information for the Source Person Record of the Link

Table 2: Additional Variables Needed if the Source Person Record of the Link
is an E-sample Record

File Name	Variable Name	Variable Description
HCEF Block Record	SBKN	Collection Block Number of the Source record
	SBKP	Collection Block Part of the Source record
	SAIR	American Indian Reservation/ANVSA/TDSA/TJSA of the Source record
	SAA	Assignment Area of Source record
	SACER	A.C.E. Ring Indicator of Source record
HCEF Housing Unit Record	SMSOUR	MAF Source Flag of Source record
	SMAILD	Mail Return Check-In Month and Day of the Source record
	SUAA	Undeliverable as Addressed (UAA) of the Source record
	SCEU	Coverage Edit Follow-Up (CEFU) of the Source record
	SNRU	Nonresponse Follow-Up Universe of the Source record
	SCIU	Coverage Improvement Follow-Up (CIFU) of the Source record
	SUBSA	Units at Basic Street Address (BSA) of the Source record
	SSTENURE	"Is this House, Apartment, or Mobile Home-" of the Source record
	SFTENURE	STENURE Edit/Allocation flag of the Source record
	SFINST	Final Status of Source record
	SSFINST	Source of FINST and NP for Source record
	SRFT	Form type of Source Record
	SRHHMEM	Household Member (Enumerator Only) of Source Record
	SNP	Estimated Population Count of Source Record
HCEF Person Record	SPFT	Form Type of the Source record
	SPRT	Person Form Type of Source record
	SQREL	Relationship of Source record
	SFREL	QREL Edit/Allocation flag of the Source record
HCUF Housing Unit record	SMAILS	Mail check-in source of the Source record
	SFVU	Field verification universe of the Source record
	SRSOURCE	Source of Return (Recode) (from DRF2 Processing) of the Source record
	SUSTAT	Unit Status of Source Record
	SNRD	NRFU Check-in Month and Day of Source record
	SNRS	NRFU Status of Source record
	SNRC	NRFU Vacancy Status of Source record
	SFVS	Field Verification Status of Source record
	SCID	CIFU Check-in Month and Day of Source record
	SCIS	CIFU Status of Source record
	SCIC	CIFU Vacancy status of Source record
	SREPDATE	Earliest Form Processing Date of Source record
	SRCMODE	Response Collection Mode of Source record
	SHHMEM	Household Member (Enumerator Only) of Source Record
HCUF Person record	SPCMODE	Response Collection Mode of the Source record
	SPCLANG	Language of Captured Form of the Source record

Note: HCEF is the Hundred Percent Census Edited File
         HCUF is the Hundred Percent Census Unedited File

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Table 3: Additional Information from the E-sample Person Dual System Estimation Output File
If the Source Person Record of the Link is an E-sample Person

File: EFINUS.DAT in ESTIMATION$DISK:[ESAMPLE]

Name	Variable Description
CST	Current FIPS State Code
REGION	Census Region 1=Northeast 2=Midwest 3=South 4=West 0=Puerto Rico
DIV	Census Division 1=New England 2=Middle Atlantic 3=East North Central 4=West North Central 5=South Atlantic 6=East South Central 7=West South Central 8=Mountain 9=Pacific 0=Puerto Rico
AICIND	American Indian Country Indicator 0=Not American Indian Country 1=American Indian Reservation/Trust Land 2=Oklahoma Tribal Statistical Area (OTSA) 3=Alaska Native Village Statistical Area (ANVSA) 4=Tribal Designated Statistical Area (TDSA)
TEA	Type of Enumeration Area 1=Mailout/Mailback 2=Update/Leave 3=List/Enumerate 4=Remote Alaska (out of scope) 5=Rural Update/Enumerate 6=Military in Update/Leave 7=Urban Update/Leave 8=Urban Update/Enumerate 9=Mailout/Mailback to Update/Leave Conversion
CCOU	Current FIPS County Code
TRACT	Pseudo-Tract Number
CLUSTER	Cluster Number and Check Digit
BLOCK	Block Number and Suffix
LCO	Local Census Office
ECLUSURB	Estimated Cluster Urbanicity 1=Urban with Population $\geq$ 250,000 2=Other Urban 3=Non-Urban

Name	Variable Description
MPSIND	Indicator for Matching Person in P Sample
	Blank=Not matched
	N=Matched to non P Sample
	P=Matched to P Sample
MMSPOT	Matching Enhanced IL Map Spot Number
MUNIT_ID	Matching Within Map Spot Unit ID
MPERID	Matching A.C.E. Person ID
NESAMP	Total E-Sample Persons in Household
INP	Number of Persons at this Housing Unit
RTENURE	Tenure
	1=Owned with mortgage or loan
	2=Owned free and clear, without mortgage
	3=Rented for cash rent
	4=Occupied without payment of cash rent
	9=Missing
PAGE	Age
	999=Missing
CPAGE	Computed Age
	999=Missing
RACE	Race Code
	1=Other Race
	2=Pacific Islander (PI)(includes Native Hawaiians)
	3=PI and Other Race
	4=Asian
	5=Asian and Other Race
	6=Asian and PI
	7=Asian, PI and Other Race
	8=American Indian or Alaska Native (AI)
	9=AI and Other Race
	10=AI and PI
	11=AI, PI, and Other Race
	12=AI and Asian
	13=AI, Asian, and Other Race
	14=AI, Asian, and PI
	15=AI, Asian, PI, and Other Race
	16=Black
	17=Black and Other Race
	18=Black and PI
	19=Black, PI, and Other Race
	20=Black and Asian
	21=Black, Asian, and Other Race
	22=Black, Asian, and PI
	23=Black, Asian, PI, and Other Race
	24=Black and AI
	25=Black, AI, and Other Race
	26=Black, AI, and PI
	27=Black, AI, PI, and Other Race
	28=Black, AI, and Asian
	29=Black, AI, Asian, and Other Race
	30=Black, AI, Asian, and PI
	31=Black, AI, Asian, PI, and Other Race
	32=White
	33=White and Other Race
	34=White and PI

Name	Variable Description
	35=White, PI, and Other Race
	36=White and Asian
	37=White, Asian, and Other Race
	38=White, Asian, and PI
	39=White, Asian, PI, and Other Race
	40=White and AI
	41=White, AI, and Other Race
	42=White, AI, and PI
	43=White, AI, PI, and Other Race
	44=White, AI, and Asian
	45=White, AI, Asian, and Other Race
	46=White, AI, Asian, and PI
	47=White, AI, Asian, PI, and Other Race
	48=White and Black
	49=White, Black, and Other Race
	50=White, Black, and PI
	51=White, Black, PI, and Other Race
	52=White, Black and Asian
	53=White, Black, Asian, and Other Race
	54=White, Black, Asian, and PI
	55=White, Black, Asian, PI, and Other Race
	56=White, Black, and AI
	57=White, Black, AI, and Other Race
	58=White, Black, AI, and PI
	59=White, Black, AI, PI, and Other Race
	60=White, Black, AI, and Asian
	61=White, Black, AI, Asian, and Other Race
	62=White, Black, AI, Asian, and PI
	63=White, Black, AI, Asian, PI, and Other Race
PSEX	Sex Code
	1=Male
	2=Female
PSPAN	Hispanic Code
	1-Non Hispanic
	2-Hispanic
PRELSUP	Relationship to Reference Person
	1=Census Reference Person
	2=Husband/wife
	3=Natural born son/daughter
	4=Adopted son/daughter
	5=Stepson/stepdaughter
	6=Brother/sister
	7=Father/mother
	8=Grandchild
	9=Parent-in-law
	10=Son-in-law/Daughter-in-law
	11=Other relative
	12=Roomer, boarder
	13=Housemate/roommate
	14=Unmarried partner
	15=Foster child
	16=Other nonrelative
	17=Person from another form during linking
	18=Person from another return during PSA
	19=Missing
NUMEDUP	Number of Duplicates with E-Sample Persons (for which person is primary)

Name	Variable Description
NUMDUP	Number of Duplicates with Persons Subsampled Out of the E-Sample.
NRU	Nonresponse Follow-up Universe
	0=Universe not set
	1=Not in NRFU, data received
	2=Not in NRFU, but NRD, NRS, NRC, and NRPOP were set on
	DMAF by Update/Enumerate or List/Enumerate
	3=in NRFU, Nonresponse
	4=in NRFU, too late for mailout
FINMAT	Final Match Code
FUFLAG	DSE Follow-up Flag
	Blank=No one in household needs follow-up
	0=Someone in household needs follow-up but person doesn't
	1=Person needs follow-up
	2=Person needs follow-up (special question)
TESPER	TES Person Indicator
	0=Not TES Person
	1=TES Person
MATEIND	E-Sample Indicator of Primary Person
	0=No Primary Person
	1=Primary Person in E-Sample
	3=Primary Person in Surrounding Block
STRCDE	Structure Code
	1=Single Unit
	2=Multi-unit
EWGHT	E-Sample Weight (Trimmed Weight)
FAGE	HCEF Age Edit/Allocation Flag
	0=Consistent as reported
	1=Age only
	2=Date of birth only
	3=Inconsistent age and date of birth
	4=Allocated from hot deck
	9=E-Sample person did not match to the HCEF
FRACE	HCEF Race Edit/Allocation Flag
	0=As reported
	1=Code changed through consistency edit
	3=Classified from race response to Hispanic Origin question
	4=Allocated from within household
	5=Allocated from hot deck
	9=E-Sample person did not match to the HCEF
FTENURE	HCEF Tenure Edit/Allocation Flag
	0=As reported
	1=Assigned by consistency check
	4=Allocated from hot deck
	9=E-Sample person did not match to the HCEF
FSPAN	HCEF Hispanic Origin Edit/Allocation Flag
	0=1 reported origin
	2=Multiple response given a unique Hispanic or Non-Hispanic code
	3=Assign Hispanic from race code
	4=Allocated from within household
	5=Allocated from hot deck (surname used)
	6=Allocated from hot deck (surname not used)
	9=E-Sample person did not match to the HCEF

Name	Variable Description
FSEX	HCEF Sex Edit/Allocation Flag 0=As reported 1=From first name 2=Edited 4=Allocated from hot deck 5=Allocated from consistency check 9=E-Sample person did not match to the HCEF
FREL	HCEF Relationship to Reference Person Edit/Allocation Flag 0=As reported from code box 1=As reported from write-in 2=Value changed for household consistency 4=Allocated from hot deck 5=Allocated from consistency check 9=E-Sample person did not match to the HCEF
ST	Collection FIPS State Code
COU	Collection FIPS County Code
FU_CODE1	Follow-up Code
FU_CODE2	Follow-up Recode
TENURE2	Recoded Tenure 1=Owner 2=Renter
AGE2	Age Category 1=0-17 2=18-29 3=30-49 4=50+
RACE2	Recoded race for Hispanic origin imputation 0=Missing 1=White 2=Other race or white and other race 3=Remaining race categories
RELATE2	Recoded Relationship to Reference Person 0=Missing or from another return 1=Spouse 2=Child 3=Sibling 4=Parent (includes parent-in-law) 5=Other relative (includes son/daughter-in-law) 6=Nonrelative 9=Census Reference Person
TENIFL	Imputation Flag for Recoded Tenure 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
AGEIFL	Imputation Flag for Age Category 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
SEXIFL	Imputation Flag for Sex 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value

Name	Variable Description
HISPIF	Imputation Flag for Recoded Hispanic Origin 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
RACEIF	Imputation Flag for Race 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
BFUGP	E-Sample Before Follow-up Match Code Group 1=Matches needing follow-up 2=Possible matches 3=Nonmatches from partial household nonmatches 4=Nonmatches from whole-household nonmatches where HU matched in HU matching 5=Nonmatches from conflicting households where E-Sample HU was not in regular NRFU 6=Nonmatches from conflicting households where E-Sample HU was in regular NRFU (NRU=3) 7=Nonmatches from whole-household nonmatches where HU did not match during HU matching 8=Persons resolved before follow-up 9=Persons with insufficient information for matching 10=TES Persons
CEPROBI	Probability of Correct Enumeration-Initial
CEPROBF	Probability of Correct Enumeration-Final
TESFINWT	E-Sample Final TES-Adjusted Weight
FIPS_MSA	MSA/CMSA FIPS Code 9999 = Non-MSA
MSAGROUP	MSA Group L=Large (U.S.) M=Medium (U.S.) S=Small (U.S.) X=Non-MSA (U.S.) 1=San Juan CMSA (PR) 2=Other MSA (PR) 3=Non-MSA (PR)
RETRATE	Tract-level Return Rate - See Haines (2001a, 2001b) for details.
RRNUM	Numerator of Return Rate - See Haines (2001a, 2001b) for details.
RRDEN	Denominator of Return Rate - See Haines (2001a, 2001b) for details.
DOMAIN	A.C.E. Race/Hispanic Origin Domain 1=American Indian on Reservation 2=American Indian off Reservation 3=Hispanic 4=Non-Hispanic Black 5=Native Hawaiian or Pacific Islander 6=Non-Hispanic Asian 7=Non-Hispanic White or "Some other race"

Name	Variable Description
AGESEX	Age/Sex Post-Stratification Variable
	1=0-17 Male and Female
	2=18-29 Male
	3=18-29 Female
	4=30-49 Male
	5=30-49 Female
	6=50+ Male
	7=50+ Female
POSTSTR	A.C.E. Pre-Collapsed Post-Stratum Code - See Haines (2001a, 2001b) for details.
CPOSTSTR	A.C.E. Post-Collapsed Post-Stratum Code - See Haines (2001a, 2001b) for details.

Table 4: Additional Information from the P-sample Person Dual System Estimation Output File if the Source Record of the Link is a P-sample Record

File: PFINUS.DAT in ESTIMATION$DISK:[PSAMPLE]

Name	Variable Description
FIPS_STATE	FIPS State Code
REGION	Census Region 1=Northeast 2=Midwest 3=South 4=West 0 = Puerto Rico
DIV	Census Division 1=New England 2=Middle Atlantic 3=East North Central 4=West North Central 5=South Atlantic 6=East South Central 7=West South Central 8=Mountain 9=Pacific 0=Puerto Rico
AICIND	American Indian Country Indicator 0=Not American Indian Country 1=American Indian Reservation/Trust Land 2=Oklahoma Tribal Statistical Area (OTSA) 3=Alaska Native Village Statistical Area (ANVSA) 4=Tribal Designated Statistical Area (TDSA)
TEA	Type of Enumeration Area 1=Mailout/Mailback 2=Update/Leave 3=List/Enumerate 4=Remote Alaska (out of scope) 5=Rural Update/Enumerate 6=Military in Update/Leave 7=Urban Update/Leave 8=Urban Update/Enumerate 9=Mailout/Mailback to Update/Leave Conversion
CCOU	Current FIPS County Code
TRACT	Pseudo-Tract Number
CLUSTER	Cluster Number and Check Digit
BLOCK	Block Number and Suffix
LCO	Local Census Office
FINOUTI	Final A.C.E. Outcome Code for Interview Day
CST	Current FIPS State Code
COU	Collection FIPS County Code
ST	Collection FIPS State Code
MID	Census Unit ID of Matching Census Person
MSEQ	Census Return Sequence Number of Matching Census Person

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Name	Variable Description
MPNC	Computed Census Person Number of Matching Census Person
POSSPSC	Total Possible P-Sample Persons in Household for Census Day (Final, after follow-up)
NDATDFC	Number of Data-Defined Possible P-Sample Persons in Household for Census Day (Final, after follow-up)
POSSPSI	Total P-Sample Persons in Household for Interview Day
NDATDFI	Number of Data-Defined P-Sample Persons in Household for Interview Day
TENURE	Tenure (from the CAPI path in which the person was collected) 1=Own (with mortgage or own free and clear) 2=Rent 3=Occupy without payment 9=Missing
TOBA	Type of Basic Address 1=One-family house-detached or attached 2=Basic address with 2 or more housing units 3=Mobile home/trailer not in a park 4=Mobile home/trailer park 5=One-family unit in special place 6=Multi-unit in special place 7=Other
AGE	Age 999=Missing
RACE	Race Code 1=Other Race 2=Pacific Islander (PI)(includes Native Hawaiians) 3=PI and Other Race 4=Asian 5=Asian and Other Race 6=Asian and PI 7=Asian, PI and Other Race 8=American Indian or Alaska Native (AI) 9=AI and Other Race 10=AI and PI 11=AI, PI, and Other Race 12=AI and Asian 13=AI, Asian, and Other Race 14=AI, Asian, and PI 15=AI, Asian, PI, and Other Race 16=Black 17=Black and Other Race 18=Black and PI 19=Black, PI, and Other Race 20=Black and Asian 21=Black, Asian, and Other Race 22=Black, Asian, and PI 23=Black, Asian, PI, and Other Race 24=Black and AI 25=Black, AI, and Other Race 26=Black, AI, and PI 27=Black, AI, PI, and Other Race 28=Black, AI, and Asian 29=Black, AI, Asian, and Other Race 30=Black, AI, Asian, and PI 31=Black, AI, Asian, PI, and Other Race 32=White

Name	Variable Description

33=White and Other Race
34=White and PI
35=White, PI, and Other Race
36=White and Asian
37=White, Asian, and Other Race
38=White, Asian, and PI
39=White, Asian, PI, and Other Race
40=White and AI
41=White, AI, and Other Race
42=White, AI, and PI
43=White, AI, PI, and Other Race
44=White, AI, and Asian
45=White, AI, Asian, and Other Race
46=White, AI, Asian, and PI
47=White, AI, Asian, PI, and Other Race
48=White and Black
49=White, Black, and Other Race
50=White, Black, and PI
51=White, Black, PI, and Other Race
52=White, Black and Asian
53=White, Black, Asian, and Other Race
54=White, Black, Asian, and PI
55=White, Black, Asian, PI, and Other Race
56=White, Black, and AI
57=White, Black, AI, and Other Race
58=White, Black, AI, and PI
59=White, Black, AI, PI, and Other Race
60=White, Black, AI, and Asian
61=White, Black, AI, Asian, and Other Race
62=White, Black, AI, Asian, and PI
63=White, Black, AI, Asian, PI, and Other Race

SEX   Sex Code
1=Male
2=Female

HISP   Hispanic Code
1=Not Spanish/Hispanic/Latino
2=Mexican, Mexican-American, Chicano
3=Puerto Rican
4=Cuban
5=Other Spanish/Hispanic/Latino
9=Missing

RELATE   Relationship to Reference Person
1=A.C.E. Reference Person
2=Husband/wife
3=Natural born or adopted son/daughter
4=Stepson/stepdaughter
5=Brother/sister
6=Father/mother
7=Grandchild
8=Other relative
9=Roomer, boarder, or foster child
10=Housemate/roommate
11=Unmarried partner
12=Other nonrelative
13 (Not Used in P-Sample file)
14=Missing

Name	Variable Description
PRXYIN	Proxy/Nonproxy Respondent 1=Proxy 2=Nonproxy
MOVERPER	Person Mover Flag 1=Nonmover 2=Inmover 3=Outmover
MOVERHH	Household Mover Flag 1=Person from outmover household 2=Other
RSC	Computer Residence Status Code (A.C.E. Status Code) N=Nonmover I=Inmover O=Outmover U=Unresolved R=Remove
FINMAT	Final Match Code
FUFLAG	DSE Follow-up Flag Blank=No one in household needs follow-up 0=Someone in household needs follow-up but person doesn't 1=Person needs follow-up 2=Person needs follow-up (special question) 3=RSC equals I or R
MATEIND	E-Sample Indicator of Matching Census Person blank=No Matching Census Person 1=E-Sample Person 2=Non E-Sample Person in Same Cluster 3=Census Person in Surrounding Block
TESPER	TES Person Indicator 0=Not TES Person 1=TES Person
FU_CODE1	Follow-up Code
FU_CODE2	Follow-up Recode
TENURE2	Recoded Tenure 1=Owner 2=Renter
AGE2	Age Category 1=0-17 2=18-29 3=30-49 4=50+
RACE2	Recoded race for Hispanic origin imputation 0=Missing 1=White 2=Other race or white and other race 3=Remaining race categories
HISP2	Recoded Hispanic Origin 1=Non-Hispanic 2=Hispanic

Name	Variable Description
RTYPE	Recoded Type of Basic Address 1=One-family 2=Apartments (2 or more) 3=Other (TOBA=3-7)
RELAT2	Recoded Relationship to Reference Person 0=Missing 1=Spouse 2=Child 3=Sibling 4=Parent 5=Other relative 6=Nonrelative 9=A.C.E. Reference Person
TENIFL	Imputation Flag for Recoded Tenure 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
AGEIFL	Imputation Flag for Age Category 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
SEXIFL	Imputation Flag for Sex 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
HISPIF	Imputation Flag for Recoded Hispanic Origin 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
RACEIF	Imputation Flag for Race 1=No Imputation 2=Imputation because of edit failure 3=Imputation because of missing value
BFUGP	P-Sample Before Follow-up Match Code Group 0=RSC of I or R 1=Matches needing follow-up 2=Possible matches 3=Nonmatches needing follow-up from partial household nonmatches 4=Nonmatches needing followup from whole-household nonmatches 5=Nonmatches from conflicting households 6=Persons resolved before follow-up 7=Persons with insufficient information for matching
RPROB	Probability of Residence (Set to 0 for inmovers)
MPROB	Match Probability (Set to 0 for inmovers and nonresidents)
PWGHT	Initial P-Sample Weight (Trimmed Weight)
NIWGTO	P-Sample Noninterview Adjusted Weight based on Census Day Interview Status
NIWGTI	P-Sample Noninterview Adjusted Weight based on A.C.E. Interview Day Interview Status
TESFINWT	P-Sample Final TES-Adjusted Weight for Census Day
FIPS_MSA	MSA/CMSA FIPS Code 9999 = Non-MSA

Name	Variable Description
MSAGROUP	MSA Group L=Large (U.S.) M=Medium (U.S.) S=Small (U.S.) X=Non-MSA (U.S.) 1=San Juan CMSA (PR) 2=Other MSA (PR) 3=Non-MSA (PR)
RETRATE	Tract-level Return Rate - See Haines (2001a, 2001b) for details.
RRNUM	Numerator of Return Rate - See Haines (2001a, 2001b) for details.
RRDEN	Denominator of Return Rate - See Haines (2001a, 2001b) for details.
DOMAIN	A.C.E. Race/Hispanic Origin Domain 1=American Indian on Reservation 2=American Indian off Reservation 3=Hispanic 4=Non-Hispanic Black 5=Native Hawaiian or Pacific Islander 6=Non-Hispanic Asian 7=Non-Hispanic White or "Some other race"
RRATEIND	Return Rate Indicator - See Haines (2001a, 2001b) for details. 1=High 0=Low 9=Not Applicable
AGESEX	Age/Sex Post-Stratification Variable 1=0-17 Male and Female 2=18-29 Male 3=18-29 Female 4=30-49 Male 5=30-49 Female 6=50+ Male 7=50+ Female
POSTSTR	A.C.E. Pre-Collapsed Post-Stratum Code - See Haines (2001a, 2001b) for details.
CPOSTSTR	A.C.E. Post-Collapsed Post-Stratum Code - See Haines (2001a, 2001b) for details.

Table 5: Additional Variables from the A.C.E. Interviewing Files
if the Source Record of the Link is a P-sample Record

      PRXFLG   Proxy Flag
      INTFLG   Telephone Flag
      INTDATE   Date of Interview
      RTYPE1C   Proxy Respondent Type
From CAPI_HU00 layout

III.   Additional Information for the Target Person Record of the Link

Table 6 shows the additional information merged onto the analysis files for the Target person record of each link. The table provides the names, descriptions and file sources for these variables added to the analysis files.

Target Records are either:

1. Enumerations in HU in the Census (FINST = 1 and 3 and RT = 3)
2. Enumerations in Gqs (RT = 5)
3. Enumerations in Hus deleted by the Census Duplicate Housing Unit Processing (FINST = 4)

Table 6: Additional Variables for the Target Person Record of the Link

File Source	Variable Name	Variable Description
HCEF Block Record	TST	Collection FIPS State Code of the Target record
	TCOU	Collection FIPS County Code of the Target record
	TBKN	Collection Block Number of the Target record
	TBKP	Collection Block Part of the Target record
	TTEA	Type of Enumeration Area of the Target record
	TTRACT	Nonresponse Follow-up Tract of the Target record
	TAIR	American Indian Reservation/ANVSA/TDSA/TJSA of the Target record
	TAA	Assignment Area of Target record
	TACER	A.C.E. Ring Indicator of Target record
HCEF Housing Unit Record	TMSOUR	MAF Source Flag of Target record
	TMAILD	Mail Return Check-In Month and Day of the Target record
	TUAA	Undeliverable as Addressed (UAA) of the Target record
	TCEU	Coverage Edit Follow-Up (CEFU) of the Target record
	TNRU	Nonresponse Follow-Up Universe of the Target record
	TCIU	Coverage Improvement Follow-Up (CIFU) of the Target record
	TUBSA	Units at Basic Street Address (BSA) of the Target record
	TTENURE	"Is this House, Apartment, or Mobile Home-" of the Target record
	TFTENURE	STENURE Edit/Allocation flag of the Target record
	TRFT	Form type of Target Record
	TNP	Estimated Number of People of Target record
	TRHHMEM	Household Member (Enumerator Only) of Target Record
HCEF Person Record	TPFT	Form Type of the Target record
	TQSEX	Sex of the Target record
	TQAGE	Age of the Target record
	TQSPAN	Hispanic/Origin of the Target record
	TQGQTYP	Persons's Group Quarter Type code of the Target record
	TFSEX	QSEX Edit/Allocation flag of the Target record
	TFAGE	QAGE Edit/Allocation flag of the Target record
	TFSPAN	Hispanic Origin (QSPAN) Edit/Allocation flag of the Target record
	TFRACE	Race (QRACE1-QRACE8) Edit/Allocation flag of the Target record
	TFGQTYP	QGQTYPE Edit/Allocation flag of the Target record
	TPOSTSTR	A.C.E. Pre-collapsed Post-stratum Code of the Target record
	TRACERC	Race recode of the Target record
	TPRT	Person Form Type of Target record
	TQREL	Relationship of Target record
	TFREL	QREL Edit/Allocation flag of the Target record

HCUF	TMAILS	Mail check-in source of the Target record
Housing Unit	TFVU	Field verification universe of the Target record
record	TRSOURCE	Source of Return (Recode) (from DRF2 Processing) of the Target record
	TUSTAT	Unit Status of Target Record
	TNRD	NRFU Check-in Month and Day of Target record
	TNRS	NRFU Status of Target record
	TNRC	NRFU Vacancy Status of Target record
	TFVS	Field Verification Status of Target record
	TCID	CIFU Check-in Month and Day of Target record
	TCIS	CIFU Status of Target record
	TCIC	CIFU Vacancy status of Target record
	TREPDATE	Earliest Form Processing Date of Target record
	TRCMODE	Response Collection Mode of Target record
	THHMEM	Household Member (Enumerator Only) of Target Record
	TFINST	Final Status of Target record
	TSFINST	Source of FINST and NP for Target record
HCUF	TPCMODE	Response Collection Mode of the Target record
Person record	TPCLANG	Language of Captured Form of the Target record

IV.   References

For more information on the computer matching, see Mule, T. "Person Duplication in Census 2000," Executive Steering Committee for Accuracy and Coverage Evaluation Policy Report 20, U.S. Census Bureau, Washington, D.C., 2001.

For more information on the variables from the Source and Target files, see Lynch M., "Person Duplication Matching Study - Matching File Prep,"   U.S. Census Bureau Internal Memorandum, June 29, 2001.

For more information on the variables from the HCEF, see Philipp, D., "2000 Census Documentation Hundred Percent Census Edited File (HCEF)," U.S. Census Bureau Internal Memorandum, April 30, 2001.

For more information on the variables from the HCUF, see Philipp, D., "2000 Census Documentation Hundred Percent Census Unedited File (HCUF)," U.S. Census Bureau Internal Memorandum, February 14, 2001.

For more information on the variables from the E-sample Person Dual System Estimation Output File, see Haines, D., "Accuracy and Coverage Evaluation Survey: Computer Specifications for Person Dual System Estimation Output Files", DSSD Census 2000 Procedures and Operations Memorandum Series Q-38, U.S. Census Bureau, Washington, D.C., 2000.