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DSSD A.C.E. REVISION II MEMORANDUM SERIES #PP-18

MEMORANDUM FOR Donna Kostanich
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Subject: A.C.E. Revision II - Specifications for Creating A.C.E. Revision II
Edited Measurement Files

This memorandum specifies the creation of files with edits to the Accuracy and Coverage Evaluation Revision II measurement files. These edits were intended to facilitate the A.C.E. Revision II missing data processing, which created the input files for A.C.E. Revision II estimation. As such, they are the files that future data users will likely want to employ in their research. Note that all original measurement variables are also on the edited files in their unedited form.

The A.C.E. Revision II E-sample measurement file, the EVC, and the A.C.E. Revision II P-sample measurement file, the PVC, are found in the directory ACE2KRES:[reace.meas]. For details on the creation of the A.C.E. Revision II measurement files, see DSSD A.C.E. REVISION II MEMORANDUM SERIES #PP-6, 'A.C.E. Revision II Measurement Subgroup Documentation'. The edited P-sample measurement file, EVC_EDIT, and the edited E-sample measurement file, PVC_EDIT, are found in the directory ACE2KRES:[reace.md]. All four files are in the form of SAS data-sets.

The new, or edited, variables generally incorporate only minor edits in variables already existing on the measurement files. An exception is CODE_FINAL, a new variable which represents the highest match code for input into the missing data processing. CODE_FINAL was created with information taken from three measurement sources: the best code (BESTF on the EVC and BESTF2 on the PVC), the smoosh code (SMOOSH), and the conflicting review code (CODECONF). The best codes were the codes determined from the coding of the Revision sample. The smoosh codes were assigned during the best coding when an analyst concluded that the most appropriate code was one that the rules for best coding would not normally allow. The conflicting review was a special clerical review of conflicting cases conducted after the

completion of the best coding. In the creation of CODE_FINAL the smooosh codes superseded the best codes, and the conflicting review codes superseded both the best codes and the smooosh codes.

Below are definitions of the new, or edited, variables. See **APPENDIX 1** for definitions of the unedited measurement variables. **APPENDIX 2** contains specifications for the creation of the edited variables from the unedited ones for the PVC_EDIT. **APPENDIX 3** contains the specifications for the creation of the edited variables from the unedited ones for the EVC_EDIT.

Definitions of New Variables

P-sample and E-sample Variables:

CODECONF_EDIT	Equal to CODECONF except where edited
SMOOSH_EDIT	Equal to SMOOSH except where edited
EFUF_EDIT	Equal to EFUF except where edited
PFUF_EDIT	Equal to PFUF except where edited

E-sample variables:

CODE_FINAL	Match code incorporating BESTF, CODECONF_EDIT and SMOOSH_EDIT
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P-sample variables:

BESTF2_EDIT	Equal to BESTF2 except where edited
CODE_FINAL	Match code incorporating BESTF2_EDIT, CODECONF_EDIT and SMOOSH_EDIT

Note that all new variables have a length of two fields.

For any questions regarding this document, please contact Michael Beaghen at 301-763-9258.

cc. A.C.E. Revision II Missing Data Subgroup
Tamara Adams
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APPENDIX 1: Definition of the Measurement Variables

Definitions of E-sample Measurement Variables (on the EVC)

PFUF	Final PFU Code for A.C.E. Revision II
EFUF	Final EFU Code for A.C.E. Revision II
BESTF	Final Match Code for A.C.E. Revision II
SMOOSH	Smoosh Code
CODECONF	Match Code from Conflicting Review

Definitions of P-sample Measurement Variables (on the PVC)

PFU1	Production A.C.E. Match Code
PFUF	Final PFU Code for A.C.E. Revision II
EFUF	Final EFU Code for A.C.E. Revision II
BESTF2	BESTF with Match Status
SMOOSH	Smoosh Code
CODECONF	Match Code from Conflicting Review

APPENDIX 2: Specifications for Creating the New P-sample Variables

SMOOSH_EDIT Coding Instructions

SMOOSH_EDIT = characters 9 and 10 of 17 character variable 'SMOOSH'
If SMOOSH_EDIT = MP then SMOOSH_EDIT = MR

BESTF2_EDIT Coding Instructions

BESTF2_EDIT = BESTF2
If BESTF2_EDIT = missing and A.C.E. Revision II 1 or 2 and PFU1 = NC then
BESTF2_EDIT = NC
If BACESTAT = N, O or U, and BESTF2_EDIT = ID, IN or IU, then
If BESTF2_EDIT = ID then BESTF2_EDIT = DP
If BESTF2_EDIT = IN then BESTF2_EDIT = NL
If BESTF2_EDIT = IU then BESTF2_EDIT = NU

CODECONF_EDIT Coding Instructions

CODECONF_EDIT = CODECONF
If CODECONF_EDIT = NN/CE then CODECONF_EDIT = NN
If CODECONF_EDIT = NR/CE then CODECONF_EDIT = NR
If CODECONF_EDIT = NU/EE then CODECONF_EDIT = NU
If CODECONF_EDIT = X then CODECONF_EDIT = blank

CODE_FINAL Coding Instructions

If SMOOSH_EDIT not missing and BESTF2_EDIT not N, then CODE_FINAL =
SMOOSH_EDIT
Else if BESTF2_EDIT = N and CODECONF_EDIT not missing, then CODE_FINAL =
CODECONF_EDIT
Else CODE_FINAL = BESTF2_EDIT

APPENDIX 2: Specifications for Creating the New P-sample Variables

PFUF and EFUF Coding Instructions

PFUF_EDIT = PFUF and EFUF_EDIT = EFUF unless PFUF or EFUF is one of the codes in the left hand column, in which case recode to the value in the right hand column.

If PFUF or EFUF is:	Then PFUF_EDIT or EFUF_EDIT is:
CE	NR
DE	DP
EE	NL
FE	FP
GE	GP
KE	KP
UE	NU
42	KP
RV	KP

Additional Instructions for EFUF_EDIT:

If EFUF is IU and BESTF2_EDIT is NU then EFUF_EDIT is NU
If EFUF is IU and BESTF2_EDIT is MU then EFUF_EDIT is MU

APPENDIX 3: Specifications for Creating New E-sample Variables

SMOOSH_EDIT Coding Instructions

SMOOSH_EDIT = characters 9 and 10 of 17 character variable 'SMOOSH'
If SMOOSH_EDIT = DP then SMOOSH_EDIT = DE
If SMOOSH_EDIT = MR then SMOOSH_EDIT = CE

CODECONF_EDIT Coding Instructions

CODECONF_EDIT = CODECONF
If CODECONF_EDIT = NN then CODECONF_EDIT = EE
If CODECONF_EDIT = NR then CODECONF_EDIT = CE
If CODECONF_EDIT = MR then CODECONF_EDIT = CE
If CODECONF_EDIT = NN/CE then CODECONF_EDIT = CE
If CODECONF_EDIT = NR/CE then CODECONF_EDIT = CE
If CODECONF_EDIT = NU/EE then CODECONF_EDIT = EE

CODE_FINAL Coding Instructions

If SMOOSH_EDIT not missing and BESTF not N, then CODE_FINAL =
SMOOSH_EDIT
Else if BESTF = N and CODECONF_EDIT not missing, then CODE_FINAL =
CODECONF_EDIT
Else CODE_FINAL = BESTF

PFUF and EFUF Coding Instructions

PFUF_EDIT = PFUF and EFUF_EDIT = EFUF unless PFUF or EFUF is one of the codes in the left hand column, in which case recode to the value in the right hand column.

If PFUF or EFUF is:	Then PFUF_EDIT or EFUF_EDIT is:
DP	DE
FP	FE
ID	DE
IN	EE
IU	UE
KP	KE
NL	EE
NN	EE
NR	CE
NU	UE