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/*=====
Covance Study ID   : COV-000000106331
Program Name       : d_adsvsas
Purpose            : Program to ADSV dataset
Author             : siva karnati
Date of Creation    : 23MAR2015
Input Data         : SDTM.SV,ADAM.ADSL
Output Data        : ADAM.ADSV
Macros Called      : m_printto,m_attrib_adam,m_logchk
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Modification History
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Modified by        :
Modification Date   :
Modification Description :

=====*/

%m_printto(route=YES);
libname sdtm "/cvn/projects/prj/data/000000106343/datasets/sdtm/sdtmx";

/* ADSL DATA */
DATA ADSL;
SET ADAM.ADSL;
KEEP STUDYID USUBJID SUBJID SUBJDN SITEID AGE SEX SEXC SEXN RACE DTHFL HEIGHT WEIGHTBL
    BMI UCPDGR1 UCPDGR1N /*NICOGR1 NICOGR1N TARGR1 TARGR1N*/ ENRLFL SCRFFL EXFL
    EXNOTRFL ENFL COMPLFL FUPFL SAFBFL SAFAFL /*SAFFL*/ /*FSAFFL*/ FASFL PPROT1FL PPROT2FL PPROT3FL
    PPROT4FL RANDFL TRTSDTM TRTSTMF TRTSDT TRTSDAY TRTEDTM TRTETMF TRTEDT TRTEDAY
    ICFDT ICF01DTC ICF01DT ICF02DTC ICF02DT
    TRT01P TRT01PN TRT01A TRT01AN
;
RUN;

/* SV DATA*/

DATA SV;
SET SDTM.SV;
FORMAT ASTDT AENDT DATE9. AVISITN BEST. APERIOD 8. VIDONEFL $8. APERIODC $10. AVISIT $40. ;

IF SVSTDTC NE "" THEN DO;
ASTDT=INPUT(SVSTDTC,YYMMDD10.);
VIDONEFL="Y";
END;
ELSE VIDONEFL="Y";

IF SVENDTC NE "" THEN AENDT=INPUT(SVENDTC,YYMMDD10.);
AVISIT=STRIP(VISIT);
AVISITN=VISITNUM;
APERIOD=1;
APERIODC="Period 1";

KEEP USUBJID SVSTDTC SVSTDY SVENDTC SVENDY SVUPDES ASTDT AENDT VIDONEFL AVISIT: APERIOD: EPOCH ;

RUN;

/*COMBINING ADSL AND SV DATA*/

PROC SORT DATA=ADSL; BY USUBJID;RUN;
PROC SORT DATA=SV;BY USUBJID;RUN;

DATA ADSV;
MERGE SV(IN=A) ADSL;
BY USUBJID;
IF A;
FORMAT ASTDAY AENDAY TRTPN TRTAN 8. TRTP TRTA $40.;
IF NMISS(TRTSDT,ASTDT)=0 THEN ASTDAY=ASTDT-TRTSDT+1;
IF NMISS(TRTSDT,AENDT)=0 THEN AENDAY=AENDT-TRTSDT+1;
TRTP=STRIP(TRT01P);
TRTPN=TRT01PN;
TRTA=STRIP(TRT01A);
TRTAN=TRT01AN;

DROP TRT01;;
RUN;

%m_attrib_adam(dset=ADSV);

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PROC SORT DATA=ADSV OUT=ADAM.ADSV(LABEL="Visit Incidence Analysis Dataset");  
BY USUBJID AVISITN;  
RUN;
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proc compare base=adam.adSV compare=qadam.qadSV listall criterion=0.0000000000001;  
run;
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%m_logchk;
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