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/*=====
Covance Study ID   : COV-000000106343
Program Name       : d_adco.sas
Purpose            : Program to ADCO dataset
Author             : siva karnati
Date of Creation    : 20MAR2015
Input Data         : SDTM.CO,ADAM.ADSL
Output Data        : ADAM.adco
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 SUBJIDN SITEID AGE SEX SEXN SEXC RACE DTHFL HEIGHT WEIGHTBL BMI
  UCPDGR1 UCPDGR1N /*NICOGR1 NICOGR1N TARGR1 TARGR1N *//ENRFL SCRFFL EXFL EXNOTRFL ENFL
  COMPLFL FUPFL /*SAFFL FSAFFL*/ SAFBFL SAFAFI FASFL PPROT1FL PPROT2FL PPROT3FL PPROT4FL RANDFL
  TRTSDTM TRTSTMF TRTSDT TRTSDAY TRTEDTM TRTETMF TRTEDT TRTEDAY
  TRT01P TRT01PN TRT01A TRT01AN
;
RUN;

/* CO DATA*/
DATA CO;
  SET SDTM.CO (RENAME=(EPOCH=EPOCH_));
  FORMAT ADOMAIN $2. AVALC $157. ADTM DATETIME13. ADT DATE9. APERIODC $10.AVISIT $27. EPOCH $23. APERIOD ASEQ 8. ;
  LENGTH AVISITN APERIOD ASEQ 8. ;
  ADOMAIN=STRIP(RDOMAIN);
  ASEQ=INPUT(IDVARVAL,??BEST.);
  AVALC=STRIP(COVAL);
  IF LENGTH(CODTC)>10 THEN ADTM=INPUT(CODTC,IS8601DT.);
  ELSE IF LENGTH(CODTC)=10 THEN ADTM=DHMS(INPUT(CODTC,YYMMDD10.),0,0,0);
  IF ADTM NE . THEN ADT=DATEPART(ADTM);
  APERIOD=1;
  APERIODC="Period 1";
  AVISIT=VISIT;
  AVISITN=VISITNUM;
  EPOCH=EPOCH_;

  KEEP USUBJID /*COSEQ*/ EPOCH ADOMAIN ASEQ AVALC ADTM ADT APERIOD APERIODC AVISIT AVISITN;
RUN;

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

DATA ADCO;
  MERGE CO(IN=A) ADSL;
  BY USUBJID;
  IF A;
  FORMAT ADAY TRTPN TRTAN 8. TRTP TRTA $40. ;
  IF NMIS(ADT,TRTSDT)=0 THEN DO;
    ADAY=ADT-TRTSDT+1;
  END;
  TRTP=STRIP(TRT01P);
  TRTPN=TRT01PN;
  TRTA=STRIP(TRT01A);
  TRTAN=TRT01AN;

  DROP TRT01;
  FORMAT EPOCH AVISIT ;
RUN;

%m_attrib_adam(dset=ADCO);

PROC SORT DATA=ADCO; BY USUBJID ADOMAIN AVISITN ASEQ; RUN;
DATA ADAM.ADCO(LABEL="Comments Analysis Dataset");
  SET ADCO;

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FORMAT ADOMAIN ASEQ AVALC ADAY APERIOD: TRTP: TRTA;;  
RUN;
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%m_logchk;
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proc compare base=adam.adco compare=qadam.qadco listall criterion=0.000000001;  
id USUBJID ADOMAIN AVISITN ASEQ;  
run;
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