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/*=====
| Covance Study Number      : 000000106331
| Program Name              : adds.sas
| Purpose                   : Create Adam Dataset (ADDS)
| Input Data                : adsl ,sdm.DS
| Output Data               : adma.adds
|
| Macros Called             :%m_printto , %m_logchk, %m_attrib_adam
|
| Originally Performed by :paddepalli
| Date                     : 13Mar2015
|=====
| Modification History : Original Version
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| Modified by           :
| Modification Date    :
| Modification Reason   :
|=====*/

* macro to save output and log to appropriate areas ;
/*proc datasets lib=work nolist memtype=data kill; quit;*/

%m_printto(route=YES);
options validvarname=upcase missing=' ';
libname sdm "/cvn/projects/prj/data/000000106343/datasets/sdm/sdmx";
*=====
* START OF PROGRAM CODE
*=====;
*****;
* bring in ADL ;
*****;

data adsl;
  set adam.adsl;
/* keep studyid usubjid subjid: siteid age sex: race height weightbtl bmi*/
/*      ucpdgr1 ucpdgr1n nicogr1 nicogr1n targr1 targr1n */
/*      enrfl1 scrfl1 exfl  enfl complfl fupfl saffl fsaffl fasfl pprot1fl*/
/*      pprot2fl pprot3fl pprot4fl randfl lvisdt lvisday  trtsdt trt01p trt01pn trt01a trt01an dthfl EXNOTRFL; */
run;

*****;
* bring in SUPPDS ;
*****;
proc transpose data = sdm.supps out=supps(drop = _:);
  by usubjid idvarval;
  var qval;
  id qnam;
  idlabel qlabel;
run;

data supps2(drop = idvarval);
  set supps;
  dsseq = input(idvarval,best.);
run;

proc sort data=supps2;
  by usubjid dsseq;
run;

*****;
* bring in DS ;
*****;
proc sort data = sdm.ds out = ds1;
  by usubjid dsseq;
run;

data ds2;
length other $200;
merge ds1 supps2 (rename=(other=other_));
by usubjid dsseq;
format asdtm datetime13. adt asdt date9. asttm time5. ;

if length(dsstdtc) gt 10 then asdtm = input(dsstdtc,e8601dt.);
if not missing (dsdtc) then
adt = input(dsdtc,ymmdd10.);
  other=other_;
if not missing(asdtm) then asdt = datepart(asdtm);
else if length(dsstdtc) = 10 then asdt = input(dsstdtc,ymmdd10.);

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if not missing(astdtm) then asttm = timepart(astdtm);

keep usubjid dsseq dsterm dsdecod dscat dsscat dsdtc dsstdtc dsstdy adt asdtm asdt asttm epoch other;
run;

*****;
* Combine ADSL and DS data *;
*****;
proc sort data= adsl;by usubjid;run;
proc sort data=ds2;by usubjid;run;
data slds(drop=trtsdt);
merge adsl ds2(in = a);
by usubjid;
if a; * only include subjects with DS data ;
format aday astday aperiod trtan trtpn 8. trta trtp $40. aperiodc $10.;
if not missing(ad) and not missing(trtsdt) then do;
aday = adt - trtsdt + 1;
end;
if not missing(asdt) and not missing(trtsdt) then
astday = asdt - trtsdt + 1;

aperiod=1;
if not missing(aperiod) then do;
aperiodc = 'Period ' || put(aperiod,1.);
end;
if aperiod=1 then do;
TRTP= TRT01p;
TRTPN=trt01pn;
TRTA=trt01a;
trtan=trt01an;
end;
run;
*****;
* create output dataset ;
*****;
data adds;
set slds;
run;
%m_logchk;

%m_attrib_adam(dset=ADDS);

proc sort data = adds out = adam.adds(label= 'Disposition Analysis Dataset');
by usubjid dsstdtc dsdtc dsdecod dsterm;
run;

*=====;
* END OF PROGRAM CODE ;
*=====;

/*data pr;*/
/* set adds;*/
/* run;*/
/*data qc;*/
/* set qadam.qadds;*/
/* run;*/
/*proc compare base = adam.adds compare = qadam.qadds listobs listvar;*/
/*/* id usubjid dsstdtc dsdtc dsdecod dsterm;*/*/
/*run;*/

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