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/*=====
| Covance Study Number   : 000000106331
| Program Name           : d_adpp.sas
| Purpose                : Program to ADPP dataset
| Input Data             : ADAM.ADSL, SDTM.PP,
| Output Data            : ADAM.ADAE
| Macros Called          :
| Originally Performed by :Paddepal
| Date                   : 30MAR2015
|
|=====
| Modification History
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| Modified by            :
| Modification Date      :
| Modification Description :
+=====*/

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%m_printto(route=YES);
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libname sdtm "/cvn/projects/prj/data/000000106343/datasets/sdtm/sdtmx";
proc sort data=sdtm.pp out=pp;
    by usubjid ppgrpid;
run;
data pp2;
length paramcd parcat1 $8 aval parcat1n 8 avalc $200 avalu $20 param $40 ;
set pp;

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paramcd=strip(pptestcd);
param=strip(pptest);
parcat1=propcase(strip(ppscat));

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if upcase(parcat1)='NICOTINE' then parcat1n=1;
if upcase(parcat1)='COTININE' then parcat1n=2;

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IF PARCAT1='Nicotine' THEN PARAMCD=STRIP('N')||STRIP(PARAMCD);
ELSE IF PARCAT1='Cotinine' THEN PARAMCD=STRIP('C')||STRIP(PARAMCD);

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    if paramcd='NCAVG' and upcase(parcat1)='NICOTINE' then paramn=1;

else if paramcd='NCMAX' and upcase(parcat1)='NICOTINE' then paramn=2;
else if paramcd='NTMAX' and upcase(parcat1)='NICOTINE' then paramn=3;

else if paramcd='CCAVG' and upcase(parcat1)='COTININE' then paramn=4;

else if paramcd='CCMAX' and upcase(parcat1)='COTININE' then paramn=5;

else if paramcd='CTMAX' and upcase(parcat1)='COTININE' then paramn=6;

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avalc=strip(ppstresc);
aval=input(avalc,best32.);
avalu=ppstresu;

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param=strip(pptest)||' ('||strip(avalu)||') ('||STRIP(PARCAT1)||)';
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if index(param,'( )') then param=tranwrd(param,'( )','');
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anl01f1='Y';
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keep studyid usubjid ppseq ppscat ppstat ppreasnd paramcd
parcat1 param paramn parcat1n aval avalc avalu anl01f1 ;
run;

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data check;
set pp2;
where not missing(aval) and aval ne input(avalc, best32.);
run;

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data pp3;
set pp2;
length avisit $40 aperiodc $10 avisitn aperiod 8;

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avisit='Day 5';
avisitn=105;
aperiod=1;
aperiodc='Period 1';

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run;
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* merge with adsl;

/*Proc sql;*/
/* create table pp4 as*/
/*select l.*, r.SUBJID, r.SUBJIDN, r.SITEID, r.AGE, r.SEX, r.SEXC, r.SEXN, r.RACE, r.DTHFL, r.HEIGHT, r.WEIG
HTBL,r.BMI, r.UCPDGR1, */
/* r.UCPDGR1N, r.NICOG1, r.NICOG1N, r.TARGR1N, r.TARGR1, r.ENRFL, r.SCRFFL, r.COMPLFL,*/
/*r.FUPFL, r.SAFFL, r.FSAFFL, r.FASFL, r.PPROT1FL, */
/* r.PPROT2FL, r.PPROT3FL,r.PPROT4FL, r.RANDFL, r.EXFL, r.EXNOTRFL, r.ENFL, */
/* r.GPUCAT1, r.GPUCAT1N, r.LVISDT, r.LVISDAY, r.TRTSDTM, r.TRTSTMF, */
/* r.TRTSDT, r.TRTSDAY, r.TRTEDTM, r.TRTETMF, r.TRTEDT, r.TRTEDAY, r.RANDDT, r.trt01p, r.trt01pn, r.trt01a, r.trt0
1an */
/* from pp3 as l left join ADAM.ADSL as r */
/* on l.STUDYID=r.STUDYID and l.USUBJID=r.USUBJID;*/
/*quit;*/
data adsl;
set adam.adsl;
/* keep usubjid subjid: siteid age sex: race height weightbl bmi*/
/* ucpdgr1 ucpdgr1n nicogr1 nicogr1n targr1 targr1n */
/* enrfl scrffl exfl enfl complfl fupfl saffl fsaffl fasfl pprot1fl */
/* pprot2fl pprot3fl pprot4fl randfl lvisdt lvisday trtsdt trt01p trt01pn*/
/* trt01a trt01an dthfl EXNOTRFL trtsdtm trtstmf */
/* trtsday trtedtm trtetmf trtedt trteday ; */
run;
proc sort data=pp3(drop=studyid);by usubjid;run;
proc sort data=adsl;by usubjid;run;
data pp4;
merge pp3(in=a) adsl;
by usubjid;
if a;

if aperiod=1 then do;
TRTP= TRT01p;
TRTPN=trt01pn;
TRTA=trt01a;
trtan=trt01an;
end;
run;

*****;
* create output dataset ;
*****;
data adpp;
set pp4;
length CRIT1 $200 CRIT1FL $2;
call missing(CRIT1,CRIT1FL);
run;

%m_attrib_adam(dset=ADPP);
proc sort data = adpp out = adam.adpp(label= 'PK Parameters Analysis Dataset');
by usubjid avisitn PARCAT1N paramcd;
run;

%m_logchk;

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