

```

options notes nosource;
proc datasets lib=work nolist memtype=data kill; quit;
* macro to save output and log to appropriate areas ;
%_mprintto;
%put NOTE:
=====;
%put NOTE: Covance Study Number : 000000106324;
%put NOTE: Client Protocol ID : ZRHR-REXC-03-EU;
%put NOTE: Program Name : d_2ADPP.sas;
%put NOTE: Purpose : create ADPP dataset;
%put NOTE: ;
%put NOTE: Input Data : STDLIB.ADPP SDTM.PP ADAM.ADSL;
%put NOTE: Output : ADAM.ADPP;
%put NOTE: Macros Called : _MPRINTTO ;
%put NOTE: ;
%put NOTE: Programmed by : cvn_kbooth;
%put NOTE: Creation Date : 2014-07-27;
%put NOTE: SAS Version : 9.3;
%put NOTE: ;
%put NOTE: == Latest Run
=====;
%put NOTE: Run by : &sysuserid;
%put NOTE: Date/Time :
%sysfunc(putn(%sysfunc(date()),e8601da.))T%sysfunc(putn(%sysfunc(time()),
e86011z.));
%put NOTE: ;
%put NOTE: == Modification History
=====;
%put NOTE: Date Initials No. Reason;
%put NOTE:
=====;
options notes source source2 nofullstimer validvarname=upcase missing='
';
ods _all_ close;
ods listing;

*=====;
* START OF PROGRAM CODE ;
*=====;
proc sort data=sdtm.pp out=pp;
by usubjid ppgrp;
run;

* prepare for adam;
data pp2;
set pp;
format paramcd $8. aval best32. avalc $200. avalu $20. param parcat1
$40. paramn parcatln 8. anl01fl $2.;

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

if parcat1='Nicotine' then parcatln=1;

```

```

else if parcat1='Cotinine' then parcat1n=2;
else put "WARN" "NING: Check PARCAT1s " parcat1=;

if parcat1='Nicotine' then paramcd=strip('N')||strip(paramcd);
else if parcat1='Cotinine' then paramcd=strip('C')||strip(paramcd);

if paramcd='NCAVG' then paramn=1;
else if paramcd='NCMAX' then paramn=2;
else if paramcd='NTMAX' then paramn=3;
else if paramcd='CCAVG' then paramn=4;
else if paramcd='CCMAX' then paramn=5;
else if paramcd='CTMAX' then paramn=6;
else put "WARN" "NING: Check PARAMCDs " paramcd=;

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

param=strip(param)||' ('||strip(avalu)||') ('||strip(parcat1)||)';

if index(param,'( )') then param=tranwrd(param,'( )','');

anl01fl='Y';

run;

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

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

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

* merge with adsl;
data adpp;
    merge pp3(in=a) adam.adsl;
    by usubjid;
    if a;
    format trtp trta $40. trtpn trtan 8.;

    trtp=trt01p;
    trta=trt01a;
    trtpn=trt01pn;
    trtan=trt01an;

```

```

run;

proc sql noprint;
    select name into: keepvars separated by " " from sashelp.vcolumn
    where libname = "STDLIB" and memname = "ADPP";
quit;

data adpp;
    set adpp;
    format CRIT1 $200. CRIT1FL $2.;
    CRIT1='Due to sampling time restrictions Cavg calculated as area
    under the curve from time zero to the last quantifiable concentration
    divided by the time to the last quantifiable concentration';
    if subjid in ('0008' '0206') and paramcd in ('NCAVG' 'CCAVG') then
do;
    CRIT1FL='Y';
    end;
run;

options replace;

data adpp;
    set stdlib.adpp adpp;
    keep &keepvars;
run;

proc sort data = adpp out = adam.adpp(label= 'PK Parameters Analysis
Dataset');
    by usubjid aperiod avisitn parcatln paramcd;
run;

options noreplace;
proc printto; run;
*=====;
* END OF PROGRAM CODE;
*=====;

```