

```

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_2ADDS.sas;
%put NOTE: Purpose : create ADDS dataset;
%put NOTE: ;
%put NOTE: Input Data : STDLIB.ADDS SDTM.DS ADAM.ADSL
SDTM.SUPPDS;
%put NOTE: Output : ADAM.ADDS;
%put NOTE: Macros Called : _MPRINTTO;
%put NOTE: ;
%put NOTE: Programmed by : cvn_smulholl;
%put NOTE: Creation Date : 2013-09-25;
%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: 29Nov2013 SM 1) Drop TRTSDT as not required;
%put NOTE: 29Apr2014 KB 2) Added EPOCH to keep statement;
%put NOTE: 27Jul2014 KB 3) Added EXNOTRFL;
%put NOTE: ;
%put NOTE: ;
%put NOTE: ;
%put NOTE:
=====;
options notes source source2 nofullstimer validvarname=upcase missing='
';
ods _all_ close;
ods listing;

*=====;
* START OF PROGRAM CODE ;
*=====;
*****;
* bring in ADSL ;
*****;

data adsl;
    set adam.adsl;
    keep studyid usubjid subjid: siteid age sex: race height weightbl
bmi ucpdgr1 ucpdgrln nicogr1 nicogrln targr1 targrln cobl

```

```

enrlfl scrfl exfl EXNOTRFL enfl complfl fupfl saffl fasfl
pprotfl randfl trtsdt tr01: /* 3) KB 27Jul2014 */
icf02dtc lvisdt lvisday trt01: dthfl;
run;

*****;
* bring in SUPPDS ;
*****;

proc transpose data = sdtm.suplds out=suplds(drop = _:);
var qval;
by usubjid idvarval;
id qnam;
run;

data suplds2(drop = idvarval);
set suplds;
dsseq = input(idvarval,best.);
run;

proc sort data=suplds2;
by usubjid dsseq;
run;

*****;
* bring in DS ;
*****;

proc sort data = sdtm.ds out = ds;
by usubjid dsseq;
run;

data ds2;
merge ds suplds2;
by usubjid dsseq;
format astdtm datetime13. adt astdt date9. asttm time5.;

if length(dsstdtc) gt 10 then astdtm = input(dsstdtc,e8601dt.);

adt = input(dsdtc,ymmdd10.);

if not missing(astdtm) then astdt = datepart(astdtm);
else if length(dsstdtc) = 10 then astdt = input(dsstdtc,ymmdd10.);

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

keep usubjid dsseq dsterm dsdecod dscat dsdtc dsstdtc dsstdy adt
astdtm astdt asttm other EPOCH; /* 2) KB 29Apr2014 */
run;

*****;
* Combine ADSL and DS data *;
*****;
* find periods;

```

```

%_mtotper;

data slds(drop = icf02dtc tr01: trt01: TRTSDT); /* 1) SM 29Nov2013 */
    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.;
    aday = adt - trtsdt + 1;
    astday = asdt - trtsdt + 1;
    %_mperall(dvar1 = asdtm, dvar2 = asdt);
    aperiodc = 'Period ' || put(aperiod,1.);
run;

*****;
* create output dataset ;
*****;

options replace;

data adds;
    set stdlib.adds slds;
    label aperiodc = 'Period (C)';
run;

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

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

```