

/*-----

Covance Study ID : COV-000000106343

Program Name : t_vs_bp_pp.sas

Purpose : Table 15.2.4.26.1(Descriptive Statistics of Blood Pressure (mmHg) PP);

Author : cvn_pshe

Date of Creation : 14MAY2015

Input Data : ADAM.ADSL, ADAM.ADVS

Output Data :

Macros Called :

Modification History

Modified by :

Modification Date :

Modification Description:

-----*/

proc datasets lib=work kill memtype=data nolist;

run;

%m_printto;

options notes nosource;

options mprint symbolgen;

```
options replace;
```

```
options notes source source2 nofullstimer validvarname=upcase missing=' ';
```

```
ods _all_ close;
```

```
ods listing;
```

```
*=====;
```

```
* START OF PROGRAM CODE ;
```

```
*=====;
```

```
%let tflno=T_15_02_04_26_01;
```

```
%let TFL_Part=%scan(&_amp;_SASPROGRAMFILE,-3,%str(/));
```

```
data _null_;
```

```
    tmp="&TFL_Part";
```

```
        if tmp not in ("dev" "qc") then call symput("TFL_Part", "prod");
```

```
        call symput('TFLpath', compress("&_SASPROGRAMFILE", ""));
```

```
            call
```

```
symput('TFLprg',reverse(scan(strip(reverse(compress("&_SASPROGRAMFILE", ""))),1, "/" )));
```

```
run;
```

```
*****,
```

```
* read in data ;
```

```
*****,
```

```
/*Use ADSL to get N values for column headers*/
```

```

%macro trt(period= );

%global N&period.THS;

%global N&period.MCC;

%global N&period.SAA;

proc sql;

select count(distinct usubjid) into: N&period.THS from adam.adsl(where=(trt01an = 4 and
pprot&period.fl = "Y"));

select count(distinct usubjid) into: N&period.MCC from adam.adsl(where=(trt01an = 5 and
pprot&period.fl = "Y"));

select count(distinct usubjid) into: N&period.SAA from adam.adsl(where=(trt01an = 3 and
pprot&period.fl = "Y"));

quit;

%mend;

/*Bring in sbp and dbp raw value data from ADVS*/;

%macro rawval (period=, avisit=, parmcd=, parm=, num=);

%trt(period=&period.);

data advs_bp&period.;

    set adam.advs(where=(anl01fl='Y' and pprot&period.fl='Y' and paramcd in ("&parmcd") and
&avisit));

run;

data advs_bp&period.;

```

```

set advs_bp&period.;

    if abfl = 'Y' then do; avisit='Baseline'; avisitn=98; end;

    if avisit='Screening' and abfl = '' then delete;

    else if avisit='Day -2' and abfl = '' then delete;

    else if avisit='Day -1' and abfl = '' then delete;

    else if avisit='Day 0' and abfl = '' then delete;

```

```
run;
```

```
proc sort data=advs_bp&period. ;
```

```
    by trtan trta avisitn avisit;
```

```
run;
```

```
proc means data=advs_bp&period. noprint;
```

```
    var aval;
```

```
    by trtan trta avisitn avisit;
```

```
    output out=bpstat&period. n=n1 mean=mean1 std=sd1 median=median1 min=min1 max=max1
    q1=q1 q3=q3 lclm =lci1 uclm=uci1;
```

```
run;
```

```
data bpstat&period._&parmcd ;
```

```
    set bpstat&period. (rename=(mean1=mean lci1=lclm uci1=uclm)) ;
```

```
        parmcd="&parmcd";
```

```
    keep  parmcd trta trtan avisit avisitn mean lclm uclm;
```

```
run;
```

```
data bpstat&period.;
```

```

set bpstat&period.;

attrib meansd minmax n median missc quart length=$20.;

*for <missing, n(%)>;

    if trtan=3 then do;

        if &&N&period.SAA.=n1

            then missc="";

        else

            missc=strip(put((&&N&period.SAA.- n1), 8.)) || ' (' || strip(put(((&&N&period.SAA.-
            n1)*100)/&&N&period.SAA, 8.1)) || ")";

        end;

    else if trtan=4 then do;

        if &&N&period.THS.=n1

            then missc="";

        else

            missc=strip(put((&&N&period.THS.- n1), 8.)) || ' (' || strip(put(((&&N&period.THS.-
            n1)*100)/&&N&period.THS., 8.1)) || ")";

        end;

    else if trtan=5 then do;

        if

            &&N&period.MCC.=n1 then missc="";

        else

            missc=strip(put((&&N&period.MCC.-n1), 8.)) || ' (' || strip(put(((&&N&period.MCC.-
            n1)*100)/&&N&period.MCC., 8.1)) || ")";

        end;

    n = left(compress(put(n1,8.)));

    IF NOT MISSING(MEDIAN1) THEN MEDIAN =
    LEFT(COMPRESS(PUT(ROUND(MEDIAN1,0.1),10.1)));

```

```

    IF NOT MISSING(MEAN1) AND NOT MISSING(SD1) THEN meansd =
LEFT(COMPRESS(PUT(ROUND(MEAN1,0.1),10.1))) || " (" || STRIP(PUT(0.01*CEIL(SD1/0.01),10.2)) || ")";

    IF NOT MISSING(MIN1) AND NOT MISSING(MAX1) THEN minmax = strip(put(min1, 10.)) || ",
" || strip(put(max1, 10.));

    IF NOT MISSING(Q1) AND NOT MISSING(Q3) THEN QUART =
LEFT(COMPRESS(PUT(ROUND(Q1,0.1),10.1))) || ', ' || LEFT(COMPRESS(PUT(ROUND(Q3,0.1),10.1))));

    IF NOT MISSING(LCI1) AND NOT MISSING(UCI1) THEN ACI = STRIP(PUT(0.1*FLOOR(LCI1/0.1),10.1)) || ',
' || STRIP(PUT(0.1*CEIL(UCI1/0.1),10.1));

    drop n1 mean1 sd1 median1 min1 max1 q1 q3 lci1 uci1 _type_ _freq_;

run;

proc sort data=bpstat&period.;

    by trtan trta avisitn avisit;

run;

proc transpose data=bpstat&period. out=t_bpstat&period.;

    by trtan trta avisitn avisit;

        var n missc meansd minmax median quart aci;

run;

data sa&period. ths&period. mcc&period.;

    length stat rawval $50;

    set t_bpstat&period. (drop=trtan rename=(_name_=stat col1=rawval)) ;

        if trta='SA' then output sa&period.;

        else if trta='THSm2.2' then output ths&period.;

        else if trta='mCC' then output mcc&period.;

run;

```

```

proc sort data=sa&period. (rename=(rawval=saval)) ;

    by avisitn avisit stat;

run;

proc sort data=ths&period. (rename=(rawval=thsval));

    by avisitn avisit stat;

run;

proc sort data=mcc&period. (rename=(rawval=mccval));

    by avisitn avisit stat;

run;

data stat_&parm._&period.;

    merge sa&period. (drop=trta ) ths&period. (drop=trta) mcc&period.;

        by avisitn avisit stat;

        if upcase(stat)='N' then do; stat='n'; sort=1; end;

        else if upcase(stat)='MISSC'      then do; stat='Missing, n(%)'; sort=2; end;

    else if upcase(stat)='MEANSD' then do; stat='Mean (SD)'; sort=2.2; end;

        else if upcase(stat)='ACI' then do; stat='95% CI'; sort=3; end;

        else if upcase(stat)='MEDIAN' then do; stat='Median'; sort=4; end;

        else if upcase(stat)='QUART' then do; stat='Q25, Q75'; sort=5; end;

    else if upcase(stat)='MINMAX' then do; stat='Min, Max'; sort=6; end;

        order=&num;

        period=&period;

run;

```

```
%mend rawval;
```

```
%rawval (period=1, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 1' 'Day 2' 'Day 3' 'Day 4' 'Day 5' 'Day 6/Discharge Confinement'))), parmcd=SYSBP,parm=sbp, num=1);
```

```
%rawval (period=2, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 30'))),  
parmcd=SYSBP,parm=sbp, num=1);
```

```
%rawval (period=3, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 60'))),  
parmcd=SYSBP,parm=sbp, num=1);
```

```
%rawval (period=4, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 91/Discharge  
Ambulatory' ))), parmcd=SYSBP,parm=sbp, num=1);
```

```
%rawval (period=1, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 1' 'Day 2' 'Day 3' 'Day 4' 'Day 5' 'Day 6/Discharge Confinement'))), parmcd=DIABP,parm=dbp, num=2);
```

```
%rawval (period=2, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 30'))),  
parmcd=DIABP,parm=dbp, num=2);
```

```
%rawval (period=3, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 60'))),  
parmcd=DIABP,parm=dbp, num=2);
```

```
%rawval (period=4, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 91/Discharge  
Ambulatory'))), parmcd=DIABP,parm=dbp, num=2);
```

```
data stat_bp ;;
```

```
set stat_sbp_1 stat_sbp_2 stat_sbp_3 stat_sbp_4 stat_dbp_1 stat_dbp_2 stat_dbp_3 stat_dbp_4;
```

```
run;
```

```
proc sort data=stat_bp;
```

```
by order period avisitn avisit sort;
```

```
run;
```

```
data stat_bp_pp ;
```



```

length param $50;

set bpstat1_sysbp (where=(avisitn in (98 106)))

      bpstat2_sysbp (where=(avisitn in (130)))

                                bpstat3_sysbp (where=(avisitn in (160)))

                                bpstat4_sysbp (where=(avisitn in (191)))

                                bpstat1_diabp (where=(avisitn in (98 106)))

                                bpstat2_diabp (where=(avisitn in (130)))

      bpstat3_diabp (where=(avisitn in (160)))

                                bpstat4_diabp (where=(avisitn in (191)));

      if paramcd='SYSBP' then do; paramn = 1001; param='Systolic Blood Pressure
(mmHg)'; end;

      else if paramcd='DIABP' then do; paramn = 1002; param='Diastolic Blood
Pressure (mmHg)'; end;

      logf=0;

run;

%m_chglength(inds=stat_bp_pp,varlist=param paramcd, lenlist= $60 $8);

proc sort data=stat_bp_pp out=tflds.T_15_02_04_26_01_f;

  by paramn avisitn ;

run;

/*Bring in sbp and dbp percent change data from ADVS*/

%macro pchgval (period=, avisit=, parmcd=,parm=, num=);

```

```
%trt(period=&period.);
```

```
data advs_bp&period.;
```

```
    set adam.advs(where=(anl01fl='Y' and pprot&period.fl='Y' and paramcd in ("&parmcd") and  
&avisit));
```

```
run;
```

```
data advs_bp&period.;
```

```
    set advs_bp&period.;
```

```
        if ablfl ='Y' then do; avisit='Baseline'; avisitn=98; end;
```

```
        if avisit='Screening' and ablfl =" then delete;
```

```
        else if avisit='Day -2' and ablfl =" then delete;
```

```
        else if avisit='Day -1' and ablfl =" then delete;
```

```
        else if avisit='Day 0' and ablfl =" then delete;
```

```
run;
```

```
proc sort data=advs_bp&period. ;
```

```
    by trtan trta avisitn avisit;
```

```
run;
```

```
proc means data=advs_bp&period. noprint;
```

```
/* where ablfl ='Y' or avisitn in (101 102 103 104 105 106 130 160 191);*/
```

```
var pchg;
```

```
by trtan trta avisitn avisit;
```

```
output out=pbpstat&period. n=n1 mean=mean1 std=sd1 median=median1 min=min1 max=max1  
q1=q1 q3=q3 lclm =lci1 uclm=uci1;
```

```
run;
```

```
data pbpstat&period.;
```

```
set pbpstat&period.;
```

```
attrib meansd minmax n median missc quart length=$20.;
```

```
n = left(compress(put(n1,8.)));
```

```
*for <missing, n(%)>;
```

```
if trtan=3 then do;
```

```
if &&N&period.SAA.=n1
```

```
then missc="";
```

```
else
```

```
missc=strip(put((&&N&period.SAA.- n1), 8.)) || ' (' || strip(put((((&&N&period.SAA.-  
n1)*100)/&&N&period.SAA, 8.1)) || "));
```

```
end;
```

```
else if trtan=4 then do;
```

```
if &&N&period.THS.=n1
```

```
then missc="";
```

```
else
```

```
missc=strip(put((&&N&period.THS.- n1), 8.)) || ' (' || strip(put((((&&N&period.THS.-  
n1)*100)/&&N&period.THS., 8.1)) || "));
```

```
end;
```

```
else if trtan=5 then do;
```

```
if
```

```
&&N&period.MCC.=n1 then missc="";
```

```
else
```

```
missc=strip(put((&&N&period.MCC.-n1), 8.)) || ' (' || strip(put((((&&N&period.MCC.-  
n1)*100)/&&N&period.MCC., 8.1)) || "));
```

end;

```
IF NOT MISSING(MEDIAN1) THEN MEDIAN =  
LEFT(COMPRESS(PUT(ROUND(MEDIAN1,0.1),10.1)));
```

```
IF NOT MISSING(MEAN1) AND NOT MISSING(SD1) THEN meansd =  
LEFT(COMPRESS(PUT(ROUND(MEAN1,0.1),10.1))) || " (" || STRIP(PUT(0.01*CEIL(SD1/0.01),10.2)) || ")";
```

```
IF NOT MISSING(MIN1) AND NOT MISSING(MAX1) THEN minmax = strip(put(min1, 10.)) || "  
" || strip(put(max1, 10.));
```

```
IF NOT MISSING(Q1) AND NOT MISSING(Q3) THEN QUART =  
LEFT(COMPRESS(PUT(ROUND(Q1,0.1),10.1))) || ', ' || LEFT(COMPRESS(PUT(ROUND(Q3,0.1),10.1))));
```

```
IF NOT MISSING(LCI1) AND NOT MISSING(UCI1) THEN ACI = STRIP(PUT(0.1*FLOOR(LCI1/0.1),10.1)) || '  
' || STRIP(PUT(0.1*CEIL(UCI1/0.1),10.1));
```

```
drop n1 mean1 sd1 median1 min1 max1 q1 q3 lci1 uci1 _type_ _freq_;  
run;
```

```
proc sort data=pbpstat&period.;
```

```
by trtan trta avisitn avisit;
```

```
run;
```

```
proc transpose data=pbpstat&period. out=t_pbpstat&period.;
```

```
by trtan trta avisitn avisit;
```

```
var n missc meansd minmax median quart aci;
```

```
run;
```

```
data psa&period. pths&period. pmcc&period.;
```

```
length stat pchg $50;
```

```
set t_pbpstat&period. (drop=trtan rename=(_name_=stat col1=pchg)) ;
```

```
if trta='SA' then output psa&period.;
```

```

        else if trta='THSm2.2' then output pths&period.;

        else if trta='mCC' then output pmcc&period.;

run;

proc sort data=psa&period. (rename=(pchg=sapchg));

    by avisitn avisit stat;

run;

proc sort data=pths&period. (rename=(pchg=thspchg));

    by avisitn avisit stat;

run;

proc sort data=pmcc&period. (rename=(pchg=mccpchg));

    by avisitn avisit stat;

run;

data stat_&parm._&period.;

    merge psa&period. (drop=trta) pths&period. (drop=trta) pmcc&period.;

        by avisitn avisit stat;

        if upcase(stat)='N' then do; stat='n'; sort=1; end;

        else if upcase(stat)='MISSC'      then do; stat='Missing, n(%)'; sort=2; end;

else if upcase(stat)='MEANSd' then do; stat='Mean (SD)'; sort=2.2; end;

        else if upcase(stat)='ACI' then do; stat='95% CI'; sort=3; end;

        else if upcase(stat)='MEDIAN' then do; stat='Median'; sort=4; end;

        else if upcase(stat)='QUART' then do; stat='Q25, Q75'; sort=5; end;

    else if upcase(stat)='MINMAX' then do; stat='Min, Max'; sort=6; end;

    order=&num;

```

```

period=&period;

run;

%mend;


%pchgval (period=1, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 1' 'Day 2' 'Day 3' 'Day 4'
'Day 5' 'Day 6/Discharge Confinement')), parmcd=SYSBP, parm=sbppchg, num=1);

%pchgval (period=2, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 30')), parmcd=SYSBP,
parm=sbppchg, num=1);

%pchgval (period=3, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 60')), parmcd=SYSBP,
parm=sbppchg, num=1);

%pchgval (period=4, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 91/Discharge
Ambulatory')), parmcd=SYSBP, parm=sbppchg, num=1);

%pchgval (period=1, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 1' 'Day 2' 'Day 3' 'Day 4'
'Day 5' 'Day 6/Discharge Confinement')), parmcd=DIABP, parm=dbppchg, num=2);

%pchgval (period=2, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 30')),parmcd=DIABP,
parm=dbppchg, num=2);

%pchgval (period=3, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 60')), parmcd=DIABP,
parm=dbppchg, num=2);

%pchgval (period=4, avisit=%str(avisit in ('Screening' 'Day -2' 'Day -1' 'Day 0' 'Day 91/Discharge
Ambulatory')), parmcd=DIABP, parm=dbppchg, num=2);


data stat_bppchg ;

    set stat_sbppchg_1 stat_sbppchg_2 stat_sbppchg_3 stat_sbppchg_4 stat_dbppchg_1 stat_dbppchg_2
stat_dbppchg_3 stat_dbppchg_4;

run;


proc sort data=stat_bppchg nodupkey;

    by order period avisitn avisit sort;

```

```
run;
```

```
data stat;
```

```
merge stat_bp (drop=stat trta) stat_bppchg;
```

```
by order period avisitn avisit sort;
```

```
length param $100 ths mcc sa $8;
```

```
if period =1 then do; ths="&N1THS"; mcc="&N1MCC"; sa="&N1SAA"; end;
```

```
if period =2 then do; ths="&N2THS"; mcc="&N2MCC"; sa="&N2SAA"; end;
```

```
if period =3 then do; ths="&N3THS"; mcc="&N3MCC"; sa="&N3SAA"; end;
```

```
if period =4 then do; ths="&N4THS"; mcc="&N4MCC"; sa="&N4SAA"; end;
```

```
if sapchg='0' then sapchg="";
```

```
if thspchg='0' then thspchg="";
```

```
if mccpchg='0' then mccpchg="";
```

```
if avisit='Day 0' then avisit='Baseline';
```

```
/* else if avisit='Day 6/Discharge Confinement' then avisit='Day 6';*/
```

```
if order=1 then param='Systolic blood Pressure (mmHg)';
```

```
else if order=2 then param='Diastolic blood Pressure (mmHg)';
```

```
if sort=. then delete;
```

```
if stat='Missing, n(%)' and avisit='Baseline' then do;
```

```
if saval="" then saval='0';
```

```

        if mccval="" then mccval='0';

        if thsval="" then thsval='0';

        sapchg="";

        mccpchg="";

        thspchg="";

    end;

    else if stat='Missing, n(%)' and avisit ^= 'Baseline' then do;

        if saval="" then saval='0';

        if mccval="" then mccval='0';

        if thsval="" then thsval='0';

        if sapchg="" then sapchg='0';

        if mccpchg="" then mccpchg='0';

        if thspchg="" then thspchg='0';

    end;

    if avisit='Baseline' and saval='0' and mccval='0' and thsval='0' then delete;

    if avisit ^= 'Baseline' and saval='0' and mccval='0' and thsval='0' and sapchg='0'
and mccpchg='0' and thspchg='0' then delete;

run;

* output dataset*;

proc sql noprint;

    create table tflds.&tflno as

        select param as parameter, period, avisit as timepoint, stat, thsval, thspchg, mccval, mccpchg,
saval, sapchg

        from stat

```



```

        order by period, order, param, avisitn, sort;

quit;

proc sort data=stat;

    by period order avisitn avisit sort;

run;

data paging;

    set stat;

    by period order avisitn avisit sort ;

    if first.avisitn then ln=1; /*Amend to look presentable, and avoid page overflows*/

    else ln+1;

    if ln=1 then page+1;

    call symput("page",compress(put(page,best.)));

run;

data paging;

    set paging;

        by page;

            if first.page then param=param;

            else param="";

run;

options number nodate orientation=landscape papersize=Letter missing=' ';

ods escapechar='$';

```

```

%let linetop = \brdrt\brdrs\brdrw30; * needs to be 1.5pt so calculated in twips (1/20 pt) ;

%let linebot = \brdrb\brdrs\brdrw30;


%macro outrtf(blankn=, halfblnk=);


%if &halfblnk=N %then %let halfblnk=;

%else %if &halfblnk=Y %then %let halfblnk=\~;


ods path stdlib.t106343 (read) ;

ods results off;

ods rtf toc_data file="/cvn/projects/prj/data/000000106343/TFL/&TFL_Part./Tables/&tflno..rtf"
style=t106343 startpage=yes headery=1440 footery=1440 ;

ods noproctitle;

%do i=1 %to &page;


title ;

footnote;

ods proclabel = ' ';


data comp;

    set paging end=eof;

        where page=&i;


/* Amend title as needed */

_firtitl="Table 15.2.4.26.1 Descriptive Statistics of Blood Pressure (mmHg) - PP Set";

```

```
_upcas=(length("Path: &TFLpath.")-  
length(compress("Path:&TFLpath.",'ABCDEFGHIJKLMNOPQRSTUVWXYZ')))/2;
```

```
len=&blankn.-length("(Page &i of &page)");
```

```
if eof then do;
```

```
call symput('_FSRTITL', trim(left(_firtitl)));
```

```
call symput('_blankn', compress(put(len,best.)));
```

```
call symput('perid', strip(put(period, best8.)));
```

```
call symput('N3', strip(sa));
```

```
call symput('N4', strip(ths));
```

```
call symput('N5', strip(mcc));
```

```
end;
```

```
drop _firtitl _upcas len;
```

```
run;
```

```
ods proclabel = ' ';
```

```
ods listing close;
```

```
* most set up in template others below;
```

```
* title arial 12pt bold with 12pt paragraph space below;
```

```
* all headers to be arial 11pt bold;
```

```
* data arial 10pt;
```

```
* headers to be central, text values left aligned and numeric centered around decimal point;
```

```
proc report data = comp headline headsip nowd split = '#' %if &i=1 %then %do; contents=' ' %end;  
%else %do; contents="" %end;;
```

```
column order page avisitn param avisit stat
```

```

("THSm2.2#(N=&N4)&linebot" thsval thspchg) ("mCC#(N=&N5)&linebot" mccval
mccpchg) ("SA#(N=&N3)&linebot" saval sapchg);

```

```

define order / order order = internal noprint;

```

```

define page / order order = internal noprint;

```

```

define avisitn / order order=internal noprint;

```

```

define param / "Parameter (units)" style={just=left cellwidth=3cm} style(header)={just=left} ;

```

```

define avisit / group "Timepoint" style={just=left cellwidth=2.5cm}
style(header)={just=left} ;

```

```

define stat / display "Statistic" style={just=left cellwidth=2cm} style(header)={just=left} ;

```

```

define thsval / display "Raw value" style={just=c cellwidth=2.2cm} ;

```

```

define thspchg / display "% Change(*)" style={just=c cellwidth=2.2cm} ;

```

```

define mccval / display "Raw value" style={just=c cellwidth=2.2cm} ;

```

```

define mccpchg / display "% Change(*)" style={just=c cellwidth=2.2cm} ;

```

```

define saval / display "Raw value" style={just=c cellwidth=2.2cm} ;

```

```

define sapchg / display "% Change(*)" style={just=c cellwidth=2.2cm} ;

```

```

break after page / page;

```

```

compute after avisitn;

```

```

line " ";

```

```

endcomp;

```

```

compute before page / style={protectspecialchars=off};;

```

```

line "&linetop";

endcomp;

compute before _page_ / style={just=left protectspecialchars=off};

line "\b\fs24\sa24&_FSRTITL." ; * \b = bold, \fs24 is font size 12pt, \sa24 is space after 12pt;

line " ";

line "Product Use Time Period: Period &perid.";

line "&linebot";

endcomp;

compute after _page_ / style={just=left protectspecialchars=off pretext="&linetop."};

line 'Note: mCC = Menthol conventional cigarettes; SA = Smoking abstinence; THSm2.2 =
Tobacco Heating System 2.2 Menthol.';

line "Note: Percentages are based on the number of subjects indicated in the column header (N).";

line 'Note: * % change from baseline, where baseline is defined as the last assessment
prior to first randomized product use in mCC / THS 2.2 Menthol arms or the '

line 'last assessment prior to 10 AM on Day 1 in the SA arm.';

line ' ';

line "Appendix 15.3.6.9";

line "Study ID:ZRHM-REXA-08-US Program:&TFLprg Status: &status" &_blankn.*"\~\~"
"&sysdate" &_blankn.*"\~\~" "(Page &i of &page)";

endcomp;

run;

%end;

ods rtf close;

ods results on;

```

```
ods path sashelp.tmplmst (read);
```

```
%mend ;
```

```
%outtrtf(blankn=36, halfblnk=N);
```

```
ods listing close;
```

```
proc printto ; run;
```

```
%m_logchk;
```

```
*=====;
```

```
* END OF PROGRAM CODE ;
```

```
*=====;
```