

```

%_mprintto;
options notes nosource;
proc datasets lib=work nolist memtype=data kill; quit;
%put NOTE:
=====;
%put NOTE: Covance Study Number : 000000106326;
%put NOTE: Client Protocol ID   : ZRHM-PK-05-JP;
%put NOTE: Program Name        : t_laburin.sas;
%put NOTE: Purpose              : Summary of Urinalysis Parameters -
Safety Population;
%put NOTE: ;
%put NOTE: Input Data           : ADAM.ADSL ADAM.ADLB;
%put NOTE: Output               : t_15_02_06_12(urin);
%put NOTE: Macros Called        : _MPRINTTO;
%put NOTE: ;
%put NOTE: Programmed by        : cvn_jriley;
%put NOTE: Creation Date        : 2014-08-07;
%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: 15Aug2014   JMH       1) Set varname to upcase to ensure it
works correctly;
%put NOTE: 23Sep2014   JMH       2) Amended as per client comments;
%put NOTE: 24Sep2014   JMH       3) Added blank line;
%put NOTE: 24Sep2014   JMH       4) Amendd sorting;
%put NOTE: 24Sep2014   JMH       5) Amended stats presented;
%put NOTE: 24Sep2014   JMH       6) Amended update 5);
%put NOTE:
=====;
options notes source source2 nofullstimer validvarname=upcase missing='
';
ods _all_ close;
ods listing;

*=====;
* START OF PROGRAM CODE
*=====;

%let tflno=T_15_02_06_12(urin);

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

data _null_;
  tmp="%TFL_Part";
  if tmp not in ("dev" "qc") then call symput("TFL_Part", "prod");

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

*****;
* read in data ;
*****;

/*Use ADSL to get N numbers for column headers*/
data adsl;
    set adam.adsl;
        where saffl = 'Y';
        if index(trtseqa,'Exposed') then delete;
    output;
    trtseqan=99;
    trtseqa='Overall Safety';
    output;
run;

proc freq data=adsl noprint;
    table trtseqan*trtseqa/ out =tot(drop=percent);
run;

data dumtrts; /*Use this to output any columns for which N=0*/
    attrib trtseqa length =$200.
            trtseqan length=8.;

    trtseqan=1;
    trtseqa='THS 2.2 Menthol - mCC';
    output;
    trtseqan=2;
    trtseqa='mCC - THS 2.2 Menthol';
    output;
    trtseqan=3;
    trtseqa='THS 2.2 Menthol - NRT gum';
    output;
    trtseqan=4;
    trtseqa='NRT gum - THS 2.2 Menthol';
    output;
    trtseqan=5;
    trtseqa='Enrolled not randomized';
    output;
run;

data tot2;
    merge tot(in=a) dumtrts(in=b);
    by trtseqan trtseqa;
    if a or b;
    if b and not a then count=0;
    call symput('trt' || compress(put(trtseqan,best.)),
compress(count));
    rename count=total;
run;

/* Urinalysis data */
data adlb;

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        set adam.adlb(where=(saffl = 'Y' and parcat1='Urinalysis' and
(anl01fl='Y' /*or paramcd='OCCBLD'*/))); /* 5) JMH 24Sep2014 */
        if missing(trtsega) then delete;
        if index(trtsega,'Exposed') then delete;
/* 2) start JMH 23Sep2014 */
        IF ABLFL='Y' THEN DO;
            AVISIT='Baseline';
            AVISITN=100;
        END;
        IF AVISIT NE 'Baseline' AND AVISITN LE 99 THEN DELETE;
/* 2) end JMH 23Sep2014 */
        if param ne 'pH' then
param=upcase(substr(param,1,1))||lowercase(substr(param,2));
        output;
        trtsega=99;
        trtsega='Overall Safety';
        output;
run;

data adlb_orig;
    set adlb;
    if avisitn=1 then ord=1; /*Screening*/
    else if avisitn=/*99*/100 then ord=2;/*Admission (Day-1)*/ /* 2)
JMH 23Sep2014 */
    else if avisitn=104 then ord=3;/*Discharge*/
    statval=aval;
run;

data adlb_chg;
    set adlb(where=(avisitn in(104))); /*Only keep day after baseline*/
    if avisitn=104 then ord=4;/*Change from Baseline to Discharge*/
    statval=chg;
run;

data adlb_all;
    set adlb_orig adlb_chg;
run;

proc sort data=adlb_all;
    by trtsega trtsega;
run;

data all;
    merge adlb_all(in=a) dumtrts(in=b);
    by trtsega trtsega;
    if a or b;
    if b and not a then statval='';
run;

proc sort data=all;
    by trtsega trtsega paramn param paramcd ord anrlo anrhi;
run;

proc univariate data=all(where=(paramcd in('PH' 'SPGRAV'))) noprint;

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var statval;
by trtsega trtsega paramn param paramcd ord anrlo anrhi;
output out=results01 N=N1 mean=mean1 std=std1 median=med1 min=min1
max=max1;
run;

data results02;
  set results01;
  attrib meansd length=$20.
           minmax length=$20.
           n       length=$20.
           median  length=$20.;

  if paramcd in ('PH') then do;
    n = left(compress(put(n1,8.)));
    if not missing(med1) then median =
left(compress(put(ROUND(med1,0.01),8.2))); /* 2) JMH 23Sep2014 */
    if not missing(mean1) and not missing(std1) then meansd =
left(compress(put(ROUND(mean1,0.01),8.2))) || ' (' ||
compress(put(0.001*ceil(std1/0.001),8.3)) || ')'; /* 2) JMH 23Sep2014 */
    if not missing(min1) and not missing(max1) then minmax =
left(compress(put(min1,8.1))) || ', ' || left(compress(put(max1,8.1)));
  end;
  if paramcd in ('SPGRAV') then do;
    n = left(compress(put(n1,8.)));
    if not missing(med1) then median =
left(compress(put(ROUND(med1,0.0001),8.4))); /* 2) JMH 23Sep2014 */
    if not missing(mean1) and not missing(std1) then meansd =
left(compress(put(ROUND(mean1,0.0001),8.4))) || ' (' ||
compress(put(0.00001*ceil(std1/0.00001),8.5)) || ')'; /* 2) JMH 23Sep2014 */
    if not missing(min1) and not missing(max1) then minmax =
left(compress(put(min1,8.3))) || ', ' || left(compress(put(max1,8.3)));
  end;

  drop n1 mean1 std1 med1 min1 max1;
run;

data results03; /*Create text as required in output*/
  set results02;
  attrib paramc length = $100.
          visit  length = $100.;

  if not missing(anrlo) and not missing(anrhi) then do;
    paramc=strip(param)||' $n'||strip(anrlo)||'-'||strip(anrhi);
  end;
  else if missing(anrlo) and missing(anrhi) then do;
    paramc=strip(param);
  end;
  else if missing(anrlo) then do;
    paramc=strip(param)||' $n' || '<' || strip(anrhi);
  end;

/* 2) start JMH 23Sep2014 */

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/*      if ord=1 then visit='Screening';*/
/*else*/ if ord=2 then visit=/'Day -1/Admission'/'Baseline';
else if ord=3 then visit='Day 4/ Discharge';
else if ord=4 then visit=/'Change from Admission'/'Change from
Baseline';
      ELSE PUT "WA" "RNING: Unexpected value of ord, please check data "
ORD= TRTSEQA= ;
/* 2) End JMH 23Sep2014 */

      drop anrlo anrhi;
run;

proc sort data=results03;
  by paramn paramc ord visit;
run;

proc transpose data=results03 out=results04 prefix=t name=varname;
  by paramn paramc ord visit;
  var n meansd median minmax;
  id trtsega;
  idlabel trtsega;
run;

data results05;
  set results04;
  attrib stat length = $100.;
  VARNAME=UPCASE(VARNAME); /* 1) JMH 15Aug2014 */
  if varname='N' then do; statord=1; stat='n'; end;
  else if varname='MEANSD' then do; statord=2; stat='Mean (SD)'; end;
  else if varname='MEDIAN' then do; statord=3; stat='Median'; end;
  else if varname='MINMAX' then do; statord=4; stat='Min, Max'; end;

  if paramn='' then delete;

  drop varname;
run;

/*Obtaining categorical stats*/
data adlb_orig1;
  set adlb(where=(paramcd not in ('PH' 'SPGRAV')));
  if avisitn=1 then ord=1; /*Screening*/
  else if avisitn=/'99'/100 then ord=2; /*Admission (Day-1)*/ /* 2)
JMH 23Sep2014 */
  else if avisitn=104 then ord=3; /*Discharge*/
  statval=avalc;
run;

data adlb_all1;
  set adlb_orig1;
run;

proc sort data=adlb_all1;
  by trtsega trtsega;

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run;

data all1;
    merge adlb_all1(in=a) dumtrts(in=b);
    by trtseqan trtseqa;
    if a or b;
    if b and not a then statval='';
run;

proc sort data=all1;
    by trtseqan trtseqa paramn param paramcd ord anrlo anrhi;
run;

proc freq data=all1 noprint ;
    by trtseqan trtseqa paramn param paramcd ord anrlo anrhi;
    tables statval / out=mstats(drop=percent);
run;

data mstats2;
    merge mstats tot2;
    by trtseqan trtseqa;
run;

data mstats3;
    set mstats2(rename=(statval=statistic));
    format statval $20. paramc visit stat $100.;

    if statistic='Negative' then do;
        stat='Negative - n (%)';
        statord=1;
    end;
    else if statistic='Trace' then do;
        stat='Trace - n (%)';
        statord=2;
    end;
    else if statistic='2+' then do;
        stat='2+ - n (%)';
        statord=3;
    end;
    else if statistic='1+' then do;
        stat='1+ - n (%)';
        statord=1.5;
    end;
    else if statistic='3+' then do;
        stat='3+ - n (%)';
        statord=5;
    end;
    else if statistic='Positive' then do;
        stat='Positive - n (%)';
        statord=4;
    end;

    if count=0 then statval = strip(put(count,best.)) ;

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        if count lt 10 then count1=' ' || compress(put(count,best.));
        else count1=strip(put(count,best.));

        count1=trim(count1);

    if total ne 0 then do;
        percent=count/total*100; /*This works out the percentages*/
    end;

    if count=0 then do;
        statval = ' 0          ' ;
    end;
    else do;
        if percent=100 then statval = strip(put(count,best.)) || '
(100 %) ' ;
        else if percent lt 10 then statval = strip(count1) || ' ( '
|| strip(put(round(percent,0.1),5.1)) || '%) ' ;
        else if percent ge 10 then statval = strip(count1) || ' ( '
|| strip(put(round(percent,0.1),5.1)) || '%) ' ;
    end;

    if not missing(anrlo) and not missing(anrhi) then do;
        paramc=strip(param)||' $n'||strip(anrlo)||'-'||strip(anrhi);
    end;
    else if missing(anrlo) and missing(anrhi) then do;
        paramc=strip(param);
    end;
    else if missing(anrhi) then do;
        paramc=strip(param)||' $n'||strip(anrlo);
    end;

/* 2) start JMH 23Sep2014 */
/*    if ord=1 then visit='Screening';*/
/*else*/ if ord=2 then visit=/'Day -1/Admission'/'Baseline';
    else if ord=3 then visit='Day 4/ Discharge';
    else if ord=4 then visit=/'Change from Admission'/'Change from
Baseline';
        ELSE PUT "WA" "RNING: Unexpected value of ord, please check data "
ORD= TRTSEQA= ;
/* 2) End JMH 23Sep2014 */

    drop count count1 total percent anrlo anrhi;
run;

proc sort data=mstats3 out=mstats3a(where=(not missing(statistic) and not
missing(paramc)));
    by paramn paramc ord visit stat statord;
run;

proc transpose data=mstats3a out=mstats4(drop=_) prefix=t;
    by paramn paramc ord visit stat statord;
    var statval;
    id trtseqan;
    idlabel trtseqa;

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run;

proc sort data=mstats3(where=(not missing(paramc)))
out=mstats3b(keep=paramc paramn) nodupkey;
    by paramn paramc;
run;

data mextra(drop=i j);
    set mstats3b;
    format visit stat $100.;
    by paramn paramc;

    do i=1 to 3;
        do j=1 to 4;
            if i=1 then visit='Screening';
            else if i=2 then visit='Baseline';
            else if i=3 then visit='Day 4/ Discharge';
            ord=i;
            if j=1 then stat='Negative - n (%)';
            else if j=2 then stat='Trace - n (%)';
            else if j=3 then stat='2+ - n (%)';
            else if j=4 then stat='Positive - n (%)';
            statord=j;
            output;
        end;
    end;
run;

proc sort data=mstats4;
    by paramn paramc ord visit statord stat;
run;

proc sort data=mextra;
    by paramn paramc ord visit statord stat;
run;

data mstats5;
    merge mstats4 mextra(WHERE=(VISIT NE 'Screening')); /* 2) JMH
23Sep2014 */
    by paramn paramc ord visit statord stat;
run;

/* Normal, abnormal etc */
data adlb_orig2;
    set adlb;
    if avisitn=1 then ord=1; /*Screening*/
    else if avisitn=/*99*/100 then ord=2; /*Admission (Day-1)*/ /* 2)
JMH 23Sep2014 */
    else if avisitn=104 then ord=3; /*Discharge*/
    statval=anrind;
run;

data adlb_all2;
    set adlb_orig2;

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run;

proc sort data=adlb_all2;
    by trtseqan trtseqa;
run;

data all2;
    merge adlb_all2(in=a) dumtrts(in=b);
    by trtseqan trtseqa;
    if a or b;
    if b and not a then statval='';
run;

proc sort data=all2;
    by trtseqan trtseqa paramn param paramcd ord anrlo anrhi ACLSIG; /*
2) JMH 23Sep2014 */
run;

proc freq data=all2 noprint ;
    by trtseqan trtseqa paramn param paramcd ord anrlo anrhi;
    tables statval / out=stats(drop=percent);
run;

/* 2) start JMH 23Sep2014 */
DATA ALL2_TEST;
    SET ALL2;
    WHERE ACLSIG='CS';
    STATVALDUM='Y';
RUN;

PROC FREQ DATA=ALL2_TEST NOPRINT;
    BY TRTSEQAN TRTSEQA PARAMN PARAM PARAMCD ORD ANRLO ANRHI ACLSIG;
    TABLES STATVALDUM / OUT=STATSAB(DROP=PERCENT);
RUN;

DATA STATSAB2;
    SET STATSAB;

    STATVAL='ABNORMAL1';

    DROP ACLSIG;
RUN;

DATA STATS2A;
    SET STATS STATSAB2;
RUN;

PROC SORT DATA=STATS2A;
    BY TRTSEQAN TRTSEQA;
RUN;

/* 2) End JMH 23Sep2014 */

data stats2;
    merge /*stats*/STATS2A tot2; /* 2) JMH 23Sep2014 */

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        by trtsega trtsega;
run;

data stats3;
    set stats2(rename=(statval=statistic));
    format statval $20. paramc visit stat $100.;

    if statistic='LOW' then do;
        stat='Low value - n (%)';
        statord=5;
    end;
    else if statistic='NORMAL' then do;
        stat='Normal value - n (%)';
        statord=6;
    end;
    else if statistic='HIGH' then do;
        stat='High value - n (%)';
        statord=7;
    end;
    ELSE IF STATISTIC='ABNORMAL' THEN DO; /* 2) JMH 23Sep2014 */
        STAT='Abnormal value - n (%)';
        STATORD=8;
    END;
    else if statistic='ABNORMAL1' then do;
/*
        stat='Abnormal clinically relevant - n (%)';*/
        STAT='Abnormal clinically significant - n (%)'; /* 2) JMH
23Sep2014 */
        statord=/*8*/9;
    end;

    if count=0 then statval = strip(put(count,best.)) ;

    if count lt 10 then count1=' ' || compress(put(count,best.));
    else count1=strip(put(count,best.));

    count1=trim(count1);

    if total ne 0 then do;
        percent=count/total*100; /*This works out the percentages*/
    end;

    if count=0 then do;
        statval = ' 0 ' ;
    end;
    else do;
        if percent=100 then statval = strip(put(count,best.)) || '
(100 %)' ;
        else if percent lt 10 then statval = strip(count1) || ' ( '
|| strip(put(round(percent,0.1),5.1)) || '%)';
        else if percent ge 10 then statval = strip(count1) || ' ( '
|| strip(put(round(percent,0.1),5.1)) || '%)';
    end;

    if not missing(anrlo) and not missing(anrhi) then do;

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        paramc=strip(param)||' $n'||strip(anrlo)||'-'||strip(anrhi);
    end;
    else if missing(anrlo) and missing(anrhi) then do;
        paramc=strip(param);
    end;
    else if missing(anrhi) then do;
        paramc=strip(param)||' $n'||strip(anrlo);
    end;

    /* 2) start JMH 23Sep2014 */
    /* if ord=1 then visit='Screening'; */
    /*else*/ if ord=2 then visit=/'Day -1/Admission'/'Baseline';
    else if ord=3 then visit='Day 4/ Discharge';
    else if ord=4 then visit=/'Change from Admission'/'Change from
Baseline';
        ELSE PUT "WA" "RNING: Unexpected value of ord, please check data "
ORD= TRTSEQA= ;
    /* 2) End JMH 23Sep2014 */

    drop count count1 total percent anrlo anrhi;
run;

proc sort data=stats3 out=stats3a(where=(not missing(stat/*istic*/) and
not missing(paramc))); /* 2) JMH 23Sep2014 */
    by paramn paramc ord visit stat statord;
run;

proc transpose data=stats3a out=stats4(drop=_) prefix=t;
    by paramn paramc ord visit stat statord;
    var statval;
    id trtseqan;
    idlabel trtseqa;
run;

proc sort data=stats3(where=(not missing(paramc)))
out=stats3b(keep=paramc paramn) nodupkey;
    by paramn paramc;
run;

data extra(drop=i j);
    set stats3b;
    format visit stat $100.;
    by paramn paramc;

    do i=1 to 3;
        do j=5 to /*8*/9; /* 2) JMH 23Sep2014 */
            if i=1 then visit='Screening';
            else if i=2 then visit='Baseline';
            else if i=3 then visit='Day 4/ Discharge';
            ord=i;
            if j=5 then stat='Low value - n (%)';
            else if j=6 then stat='Normal value - n (%)';
            else if j=7 then stat='High value - n (%)';

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ELSE IF J=8 THEN STAT='Abnormal value - n (%)'; /* 2) JMH
23Sep2014 */
    else if j=/*8*/9 then stat=/*'Abnormal clinically relevant -
n (%)'*/'Abnormal clinically significant - n (%)'; /* 2) JMH 23Sep2014 */
        statord=j;
        output;
    end;
end;
run;

proc sort data=stats4;
    by paramn paramc ord visit statord stat;
run;

proc sort data=extra;
    by paramn paramc ord visit statord stat;
run;

data stats5;
    merge stats4 extra(WHERE=(VISIT NE 'Screening')); /* 2) JMH 23Sep2014
*/
    by paramn paramc ord visit statord stat;
run;

/* Setting them together */
data results06;
    set results05 stats5 mstats5;
    if stat in ('n' 'Low value - n (%)' 'Normal value - n (%)' 'High
value - n (%)' 'Abnormal value - n (%)' /* 2) JMH 23Sep2014 */
/*'Abnormal clinically relevant - n (%)'*/'Abnormal clinically
significant - n (%)'
'Negative - n (%)' 'Trace - n (%)' '2+ - n (%)' '3+ - n (%)'
'Positive - n (%)' '1+ - n (%)') then do;
        if missing(t1) then t1='0';
        if missing(t2) then t2='0';
        if missing(t3) then t3='0';
        if missing(t4) then t4='0';
        if missing(t5) then t5='0';
        if missing(t99) then t99='0';
    end;

run;

proc sort data=results06;
    by paramn paramc ord visit statord;
run;

data labels;
    set results06;
    attrib t1 label = "THS 2.2 Menthol -$mCC $(N=&trt1) "
t2 label = "mCC -$THS 2.2 Menthol$(N=&trt2) "
t3 label = "THS 2.2 Menthol -$NRT gum $(N=&trt3) "
t4 label = "NRT gum -$THS 2.2 Menthol$(N=&trt4) "
t5 label = "Enrolled not$randomized$(N=&trt5) "

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t99 label = "Overall$Safety$(N=&trt99)";

if ord=4 then ord2=1;
else ord2=0;
if ord=3 then ord=4;
if statord=4 and stat ne 'Min, Max' then statord=2.5;
if statord=1.5 then statord=2.6;
if stat='3+ - n (%)' then statord=3.5;

/* 5) start JMH 24Sep2014 */
/*Get rid of categories that are not needed. STUDY SPECIFIC PK-05*/
IF STRIP(T99) EQ '0' THEN DO;
    IF PARAMN IN (201 202) AND STATORD=8 THEN DELETE;
    IF PARAMN IN(203 204 205) AND STATORD IN(2 3 5 7) THEN
DELETE;
    IF PARAMN IN(206 207) AND STATORD IN(3 5 7) THEN DELETE;
    IF PARAMN IN(/*208*/218) AND STATORD IN(5 7) THEN DELETE; /*
6) JMH 24Sep2014 */
    IF PARAMN=218 AND STATORD=2.5 THEN STATORD=4; /* 6) JMH
24Sep2014 */
    END;
/* 5) end JMH 24Sep2014 */
run;

proc sort data=labels;
    by paramn paramc ord ORD2 visit statord;
run;

proc sql noprint;
    create table table.T_15_02_06_12 as
    select paramc, visit, stat, t1, t2, t3, t4, t5, t99
    from labels
    order by paramn, PARAMC, ord, ord2, VISIT, statord; /* 4) JMH
24Sep2014 */
quit;

data blanks;
    set labels(where=(visit='Day 4/ Discharge' and ord=4));
    by paramn ord;
    if not first.paramn then delete;
    ord2=0.5;
    keep param: ord;;
run;

data labels2;
    set labels /*blanks*/; /* 2) JMH 23Sep2014 */
run;

proc sort data=labels2;
    by paramn paramc ord ord2 visit statord;
run;

data paging;

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set labels2;
by paramn paramc ord ord2 visit statord;

flag=1;

if first.ord or (first.ord2 and ord2=1) then ln=1;
else ln+1;
if ln=1 then page+1;
call symput("page",compress(put(page,best.)));
run;

options number nodate orientation=landscape papersize=&p_pgsz 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.tl06326 (read) ;
ods results off;
ods rtf toc_data/* contents*/
file="/cvn/projects/prj/data/000000106326/TFL/&TFL_Part./&tflno..rtf"
style=tl06326 startpage=yes headery=1440 footery=1440 ;
ods noproctitle;
%do i=1 %to &page;
ods proclabel = ' ';

title ;
footnote;
%let wd=0;

data comp;
set paging end=eof;
by paramn paramc ord ord2 visit statord;
where page=&i;

/* Amend title as needed */
_firtitl="Table 15.2.6.12 Summary of Urinalysis Parameters -
Safety Population";
_upcas=(length(_firtitl)-
length(compress(_firtitl,'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.)));
end;

```

```

        drop _firtitl _upcas len;
run;

* 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;
/* Update with your variables as needed */
proc report data = comp missing headline headskip nowd split = '#' %if
&i=1 %then %do; contents=' ' %end; %else %do; contents='' %end;;;
        column flag page paramn ("Parameter (units)#Reference range"
paramc) ord ORD2 ("Study Day" visit) statord ("Statistic" stat)
        ("Sequence &linebot." ("THS 2.2 Menthol -#mCC#(N=&trt1)" t1)
("mCC -#THS 2.2 Menthol#(N=&trt2)" t2) ("THS 2.2 Menthol -#NRT
gum#(N=&trt3)" t3)
        ("NRT gum -#THS 2.2 Menthol#(N=&trt4)" t4) ("Enrolled Not
#Randomized#(N=&trt5)" T5)) ("Overall#Safety#(N=&trt99)" t99) ;

        define flag          / order order=internal noprint;
        define page          / order order = internal noprint;
        define paramn        / order order=internal noprint;
        define ord           / order order = internal noprint;
        DEFINE ORD2          / ORDER ORDER = INTERNAL NOPRINT;
        define statord       / order order=internal noprint;
        define paramc        / group style={just=left cellwidth=2.8cm}
style(header)={just=center} "";
        define visit         / group style={just=left cellwidth=1.8cm}
style(header)={just=center} "";
        define stat          / display style={just=left
cellwidth=/*2.9*/3.1cm} style(header)={just=center} ""; /* 2) JMH
23Sep2014 */
        define t1            / display style={just=C cellwidth=1.7cm}
style(header)={just=center} "";
        define t2            / display style={just=C cellwidth=1.7cm}
style(header)={just=center} "";
        define t3            / display style={just=C cellwidth=1.7cm}
style(header)={just=center} "";
        define t4            / display style={just=C cellwidth=1.7cm}
style(header)={just=center} "";
        define t5            / display style={just=center cellwidth=2cm}
style(header)={just=center} "";
        define t99           / display style={just=C cellwidth=1.7cm}
style(header)={just=center} "";

        break before flag / page %if &i=1 %then %do;
        contents="&_fsrtitl" %end; %else %do; contents='' %end;;

        break after page / page;

```

```

        COMPUTE AFTER ORD; /* 3) JMH 24Sep2014 */
            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 "&linebot";
endcomp;

compute after _page_ / style={just=left protectspecialchars=off
PRETEXT="&LINETOP."};
    line 'Note: mCC = menthol conventional cigarettes; NRT gum =
Nicotine Replacement Therapy gum; THS = Tobacco Heating System.';
    line "Note: Enrolled Not Randomized refers to all subjects
enrolled but not randomized. Overall Safety refers to enrolled subjects
exposed to THS 2.2 Menthol or NRT gum.";
    line "Note: Percentages are based on the number of subjects
indicated in the column header (N).";
/*    line 'Note: Baseline is Day -1.';*/
    LINE "Note: Baseline is the last available time point prior
to the product test (THS 2.2 Menthol or NRT gum) at Admission (Day -1).";
/* 2) JMH 23Sep2014 */
    line "";
    line "Appendix 15.3.6.6";
    line "Path: &TFLpath." &_blankn.*"\~\~" "(Page &i of &page)";
    line "Program Run: &sysdate &sysuserid Program Status:
&status";
endcomp;

run;
%end;
ods rtf close;
ods results on;
ods path sashelp.tmplmst (read);

%mend ;

%outrtf(blankn=70, halfblnk=N);
ods listing;
proc printto print = "&table./T_15_02_06_12.lst" new;
run;

proc contents data = table.T_15_02_06_12 varnum;
run;
ods listing close;

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

```



\*=====;