

```

%_mprintto;
options notes nosource;
proc datasets lib=work nolist memtype=data kill; quit;
%put NOTE:
=====;
%put NOTE: Covance Study Number : 0000001063264;
%put NOTE: Client Protocol ID   : ZRHR-REXC-03-EU;
%put NOTE: Program Name        : t_hpmas.sas;
%put NOTE: Purpose              : table decriptive stats of cohb by sex ;
%put NOTE: ;
%put NOTE: Input Data           : ADAM.ADBX ADAM.ADSL;
%put NOTE: Output               : t_15_2_3_8_1(hpma);
%put NOTE: Macros Called        : _MPRINTTO;
%put NOTE: ;
%put NOTE: Programmed by        : cvn_jhardman;
%put NOTE: Creation Date        : 2014-05-15;
%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: 16May2014  JMH       1)   removed comma from day 5 label;
%put NOTE: 16May2014  JMH       2)   presented BLQ;
%put NOTE: 16May2014  JMH       3)   Amended DPs for percent change;
%put NOTE: 11Jun2014  JMH       4)   Amended er-rors with merge ;
%put NOTE: 11Jun2014  JMH       5)   Amended units;
%put NOTE: 11Jun2014  JMH       6)   Amended BLQ footnote;
%put NOTE: 19Jun2014  JMH       7)   Amended label of Geometric CI and
added footnote;
%put NOTE: 19Jun2014  JMH       8)   Amended BLOQ footnote;
%put NOTE: 24Jun2014  JMH       9)   Updated in line with formatting
updates;
%put NOTE: 01Aug2014  JMH       10)  Updated in line with formatting
updates;
%put NOTE: 18Sep2014  JR        11)  Updated baseline footnote;
%put NOTE: 25Sep2014  JMH       12)  Amended BLQs;
%put NOTE: ;
%put NOTE:
=====;
options notes source source2 nofullstimer validvarname=upcase missing='
';
ods _all_ close;
ods listing;

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

```

```

%let tflno=T_15_02_03_08_01(hpma);

%let TFL_Part=%scan(&_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",""));
run;

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

/*Use ADSL to get N values for column headers*/
data adsl;
    set adam.adsl(where=(fasfl='Y'));
run;

proc sort data=adsl nodupkey out=adsl1;
    by trt01an trt01a subjid sexc;
run;

proc freq data=adsl1(where=(not missing(trt01an))) noprint;
    table trt01an*trt01a*sexc/ out =tot(drop=percent
rename=(count=total));
run;

data tot2;
    set tot;
    call symput('trt' || compress(put(trt01an,best.)) ||
substr(sexc,1,1), compress(total));
run;

/*Bring in appropriate data from ADBX*/
data adbx1;
    set adam.adbx(where=(anl02fl='Y' and fasfl='Y' and paramcd in
('U3HPPMCRE')));
run;

data adbx;
    set adbx1;
    IF ABLFL='Y' THEN DO; AVISIT='Baseline'; AVISITN=100; END; /* 10)
JMH 01Aug2014 */
    IF AVISIT NE 'Baseline' AND AVISITN LT 101 THEN DELETE; /* 10) JMH
01Aug2014 */
    CALL SYMPUT("AVALU",LEFT(STRIP(AVALU))); /* 5) JMH 11Jun2014 */
run;

data adbx_orig;
    set adbx;
    statval=aval;
    type='abs';

```

```

        output;
        statval=pchg;
        type='pchg';
        output;
run;

proc sort data=adbx_orig;
    by type trtan trta avisitn avisit atptn atpt sexc;
run;

proc means data=adbx_orig noprint;
    var statval;
    by type trtan trta avisitn avisit atptn atpt sexc;
    output out=results02 n=n1 mean=mean1 std=std1 median=median1 min=min1
max=max1 q1=q1 q3=q3 lclm=lci1 uclm=uci1;
run;

data results03;
    set results02;
    attrib meansd length=$20.
            minmax length=$20.
            n      length=$20.
            median length=$20.
            quart  aci length=$20.;

    n = left(compress(put(n1,8.)));
    /*IF TYPE='abs' THEN DO; *//* 3) JMH 16May2014 */ /* 9) JMH
24Jun2014 */
    * differing DP per biomarker ;
    * HPMA has 0dp;
/*      if not missing(median1) then median =
left(compress(put(median1,8.1))); */
/*      if not missing(mean1) and not missing(std1) then meansd =
left(compress(put(mean1,8.1))) || ' (' ||
left(compress(put(0.01*ceil(std1/0.01),8.2))) || ')'; */
/*      if not missing(min1) and not missing(max1) then minmax =
left(compress(put(min1,8.))) || ', ' || left(compress(put(max1,8.)));*/
/*      if not missing(lci1) and not missing(uci1) then aci =
strip(put(0.1*floor(lci1/0.1),8.1)) || ', ' ||
strip(put(0.1*ceil(uci1/0.1),8.1)); */
/*      if not missing(q1) and not missing(q3) then quart =
strip(strip(put(0.1*FLOOR(q1/0.1),8.1)) || ', ' ||
strip(put(0.1*CEIL(q3/0.1),8.1))); /* 9) JMH 24Jun2014 */ */
/*      END;*/
    ELSE DO; /* 3) JMH 16May2014 */ /* 9) START JMH 24Jun2014 */
    IF NOT MISSING(MEDIAN1) THEN MEDIAN =
LEFT(COMPRESS(PUT(MEDIAN1,8.2)));
    IF NOT MISSING(MEAN1) AND NOT MISSING(STD1) THEN MEANSD =
LEFT(COMPRESS(PUT(MEAN1,8.2))) || ' (' ||
LEFT(COMPRESS(PUT(0.001*CEIL(STD1/0.001),8.3))) || ')';
    IF NOT MISSING(MIN1) AND NOT MISSING(MAX1) THEN MINMAX =
LEFT(COMPRESS(PUT(MIN1,8.1))) || ', ' || LEFT(COMPRESS(PUT(MAX1,8.1)));

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```

        IF NOT MISSING(LCI1) AND NOT MISSING(UCI1) THEN ACI =
STRIP(PUT(0.01*FLOOR(LCI1/0.01),8.2)) || ', ' ||
STRIP(PUT(0.01*CEIL(UCI1/0.01),8.2));
        IF NOT MISSING(Q1) AND NOT MISSING(Q3) THEN QUART =
STRIP(STRIP(PUT(0.01*FLOOR(Q1/0.01),8.2)) || ', ' ||
STRIP(PUT(0.01*CEIL(Q3/0.01),8.2))); /* 9) JMH 24JUN2014 */
/* 9) END JMH 24Jun2014 */
/*      END;*/

        drop /*n1*/ mean1 std1 median1 min1 max1 q1 q3 uci1 lci1 ; /* 12) JMH
25Sep2014 */
run;

```

```

/*Obtain subjects with values BLOQ*/
data adbx_blq;
    set adbx;
    where bloqfl='Y';
    statval=aval;
    type='abs';
    output;
    statsval=pchg;
    type='pch';
    output;
run;

```

```

proc freq data=adbx_blq noprint;
    table type*trtan*trta*avisitn*avisit*atptn*atpt*sexc/ out
=blq(drop=percent);
run;

```

```

%macro outrtf(blankn=, halfblnk=);

```

```

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

```

```

%let dsid=%sysfunc(open(blq));
%let nsum=%sysfunc(attrn(&dsid.,nobs));
%let rc=%sysfunc(close(&dsid.));

```

```

%put "Check " &nsum.;

```

```

%if &nsum. lt 1 %then %do;
    proc sort data=adbx_orig nodupkey out=tpts(keep=type avisitn
avisit atptn atpt trtan trta sexc);
        by trtan trta type avisitn avisit atptn atpt sexc;
    run;

```

```

    data blq1;
        set tpts;
        attrib blq length=$50.;

```

```

        blq='0';
run;

%end;

%else %do;
/* 12) start JMH 25Sep2014 */
/* 4) start JMH 11Jun2014 */
/*DATA ADSL_BLO_ABS;*/
/*  SET TOT;*/
/*  ATTRIB AVISIT LENGTH=$40.*/
/*              AVISITN LENGTH=8.*/
/*              TYPE LENGTH=$3.;*/
/*  RENAME TRT01AN=TRTAN;*/
/*  RENAME TRT01A=TRTA;*/
/*  TYPE='abs';*/

/*  AVISITN=99;*/ /* 10) JMH 01Aug2014 */
/*  AVISIT='Day -1';*/
/*  OUTPUT;*/
/*  AVISITN=100;*/
/*  AVISIT=**/'Day 0'/**'Baseline';*/ /* 10) JMH 01Aug2014 */
/*  OUTPUT;*/
/*  AVISITN=101;*/
/*  AVISIT='Day 1';*/
/*  OUTPUT;*/
/*  AVISITN=102;*/
/*  AVISIT='Day 2';*/
/*  OUTPUT;*/
/*  AVISITN=103;*/
/*  AVISIT='Day 3';*/
/*  OUTPUT;*/
/*  AVISITN=104;*/
/*  AVISIT='Day 4';*/
/*  OUTPUT;*/
/*  AVISITN=105;*/
/*  AVISIT='Day 5';*/
/*  OUTPUT;*/
/*RUN;*/
/**/
/*DATA ADSL_BLO_PCH;*/
/*  SET TOT;*/
/*  ATTRIB AVISIT LENGTH=$40.*/
/*              AVISITN LENGTH=8.*/
/*              TYPE LENGTH=$3.;*/
/*  RENAME TRT01AN=TRTAN;*/
/*  RENAME TRT01A=TRTA;*/
/*  TYPE='pch';*/

/*  AVISITN=99;*/ /* 10) JMH 01Aug2014 */
/*  AVISIT='Day -1';*/
/*  OUTPUT;*/
/*  AVISITN=100;*/
/*  AVISIT=**/'Day 0'/**'Baseline';*/ /* 10) JMH 01Aug2014 */
/*  OUTPUT;*/

```

```

/*    AVISITN=101;*/
/*    AVISIT='Day 1';*/
/*    OUTPUT;*/
/*    AVISITN=102;*/
/*    AVISIT='Day 2';*/
/*    OUTPUT;*/
/*    AVISITN=103;*/
/*    AVISIT='Day 3';*/
/*    OUTPUT;*/
/*    AVISITN=104;*/
/*    AVISIT='Day 4';*/
/*    OUTPUT;*/
/*    AVISITN=105;*/
/*    AVISIT='Day 5';*/
/*    OUTPUT;*/
/*RUN;*/
/**/
/*PROC SORT DATA=ADSL_BLQ_ABS; BY TYPE TRTAN TRTA AVISITN AVISIT SEXC;
RUN;*/
/*PROC SORT DATA=ADSL_BLQ_PCH; BY TYPE TRTAN TRTA AVISITN AVISIT SEXC;
RUN;*/
/**/
/*DATA ADSL_BLQ;*/
/*    MERGE ADSL_BLQ_ABS ADSL_BLQ_PCH;*/
/*    BY TYPE TRTAN TRTA AVISITN AVISIT SEXC;*/
/*RUN;*/
/**/
/*DATA TOT3;*/
/*    SET TOT;*/
/*    RENAME TRT01AN=TRTAN;*/
/*    RENAME TRT01A=TRTA;*/
/*RUN;*/
/**/
/*PROC SORT DATA=ADSL_BLQ; BY TRTAN TRTA SEXC; RUN;*/
/*PROC SORT DATA=tot3; BY TRTAN TRTA SEXC; RUN;*/
/**/
/*DATA TOT_BLQ;*/
/*    MERGE ADSL_BLQ(IN=A) TOT3(IN=B);*/
/*    BY TRTAN TRTA SEXC;*/
/*RUN;*/
/**/
/*PROC SORT DATA=TOT_BLQ; BY TRTAN TRTA TYPE AVISITN AVISIT SEXC; RUN;*/
/* 4) end JMH 11Jun2014 */

/*    data blq1;*/
/*        attrib blq length=$50.;*/
/*        merge blq(in=a) tot_BLQ(IN=B);*/ /* 4) JMH 11Jun2014 */
/*        by trtan trta TYPE avisitn avisit*/ /*atptn atpt*/
/*sexc;*/ /* 4) JMH 11Jun2014 */
/*        if not a then do;*/
/*            count=0;*/
/*        end;*/
/*        percent1=count/total*100;*/

```

```

/*          PERCENT=ROUND(PERCENT1,0.1);*/ /* 4) JMH 11Jun2014 */

/*          if count=0 then blq='0';*/
/*          else if percent=100 then blq= put(count,3.)||' (100
%)';*/
/*          else blq=put(count,3.)||'
('||put(percent,3.1*//*3.*//*)*||'%)';*/ /* 4) JMH 11Jun2014 */
/*          run;*/

PROC SORT DATA=ADBX_ORIG NODUPKEY OUT=TPTS(KEEP=TYPE AVISITN AVISIT
ATPTN ATPT TRTAN TRTA SEXC);
      BY TRTAN TRTA TYPE AVISITN AVISIT ATPTN ATPT SEXC;
RUN;

DATA BLQTOTS;
      SET RESULTS03(RENAME=(N1=TOTAL));
      KEEP TYPE TR: AVISIT: ATPT: TOTAL SEXC;
RUN;

PROC SORT DATA=BLQTOTS; BY TYPE TRTAN TRTA AVISITN AVISIT
SEXC; RUN;
PROC SORT DATA=TPTS; BY TYPE TRTAN TRTA AVISITN AVISIT SEXC;
RUN;

DATA TOT_BLQ;
      MERGE TPTS BLQTOTS;
      BY TYPE TRTAN TRTA AVISITN AVISIT SEXC;
RUN;

PROC SORT DATA=TOT_BLQ;
      BY TYPE TRTAN TRTA AVISITN AVISIT ATPTN ATPT SEXC;
RUN;

DATA BLQ1;
      ATTRIB BLQ LENGTH=$50.;
      MERGE BLQ(IN=A) TOT_BLQ;
      BY TYPE TRTAN TRTA AVISITN AVISIT ATPTN ATPT SEXC;
      IF NOT A THEN DO;
          COUNT=0;
      END;
      IF TOTAL NE 0 THEN PERCENT=COUNT/TOTAL*100;
      ELSE PERCENT=0;

      IF COUNT=0 THEN BLQ='0';
      ELSE IF PERCENT=100 THEN BLQ= PUT(COUNT,3.)||' (100%)';
      ELSE BLQ=PUT(COUNT,3.)||'
('||LEFT(STRIP(PUT(ROUND(PERCENT,0.1),5.1)))||'%)';

      IF TYPE='pch' THEN BLQ='';
RUN;

PROC SORT DATA=BLQ1;
      BY TRTAN TRTA TYPE AVISITN AVISIT ATPTN ATPT SEXC;
RUN;
/* 12) end JMH 25Sep2014 */

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%end;

/*Obtain the geometric mean*/

data gmean;
    set adbx_orig(where=(type='abs'));
    statvall=statval;
    if aval > 0 then ln_statvall=log(statvall);
run;

proc means data=gmean noprint;
    output out=gmean1 mean=mean std=std1 lclm=lci1 uclm=uci1 nmiss=miss;
    var ln_statvall;
    by trtan trta type avisitn avisit atptn atpt sexc;
run;

data gmean2;
    set gmean1;
    gmean1=exp(mean);
    if miss = 0 then do;
        gmean=left(compress(put(ROUND(gmean1,0.01),8.2/*1*/))); /* 9) JMH
24Jun2014 */
        gcv=compress(put(0.01*ceil((sqrt(exp(std1*std1)-
1)*100)/0.01),8.2));
        glci=exp(lci1);
        guci=exp(uci1);
    end;
    keep type trtan trta avisitn avisit atptn atpt sexc gmean gcv glci guci
std1 miss;
run;

/*Combine the Gmean and BLQ with other stats*/
proc sort data=results03;
    by trtan trta type avisitn avisit atptn atpt sexc;
run;

data results04;
    merge results03 gmean2 blq1;
    attrib gmeancv length=$20.;
    by trtan trta type avisitn avisit atptn atpt sexc;
    if miss = 0 then do;
        if not missing(gcv) then gmeancv=left(trim(gmean)) || ' (' ||
left(trim(gcv))||'%)';
        else gmeancv=left(trim(gmean));
    /*
        if not missing(glci) and not missing(guci) then ci =
strip(strip(put(0.1*floor(glci/0.1),8.1)) || ', ' ||
strip(put(0.1*ceil(guci/0.1),8.1))); */
        IF NOT MISSING(GLCI) AND NOT MISSING(GUCI) THEN CI =
STRIP(STRIP(PUT(0.01*FLOOR(GLCI/0.01),8.2)) || ', ' ||
STRIP(PUT(0.01*CEIL(GUCI/0.01),8.2))); /* 9) JMH 24Jun2014 */
    end;
run;

```



```

proc sort data=results04;
  by trtan trta type avisitn avisit atptn atpt sexc;
run;

proc sort data=blq1;
  by trtan trta type avisitn avisit atptn atpt sexc;
run;

data results05;
  merge results04 blq1;
  by trtan trta type avisitn avisit atptn atpt sexc;

      if type='abs' then aci='';
      IF TYPE = 'pch' THEN BLQ = '';

  * create merge variable;
  mvar=substr(sexc,1,1);
run;

proc sort data=results05;
  by type trtan avisitn avisit atptn atpt sexc;
run;

proc transpose data=results05(where=(type='abs')) out=results06 prefix=r
name=varname;
  by trtan trta avisitn avisit atptn atpt;
  var n meansd median minmax aci quart blq gmeancv ci;
  id mvar;
run;

proc transpose data=results05(where=(type='pch' and avisitn>100))
out=results06c prefix=c name=varname;
  by trtan trta avisitn avisit atptn atpt;
  var n meansd median minmax aci quart blq;
  id mvar;
run;

proc sort data=results06;
  by trtan trta avisitn avisit atptn atpt varname;
run;

proc sort data=results06c;
  by trtan trta avisitn avisit atptn atpt varname;
run;

data results07;
  merge results06 results06c;
  by trtan trta avisitn avisit atptn atpt varname;
  attrib stat variable length = $100.;
  varname=upcase(varname);

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/*      if avisitn gt 104 then variable=compbl(avisit ||', '|| atpt);*/ /*
1) JMH 16May2014 */
/*else*/ variable=compbl(avisit);

    if varname='N' then do;
        statord=1;
        stat='n';
    end;
    else if varname='BLQ' then do;
        statord=2;
        stat='BLOQ - n (%)';
        /*delete;*/          * required for this output; /* 2) JMH
16May2014 */
    end;
    else if varname='GMEANCV' then do;
        statord=3;
        stat='Geometric Mean (CV%)';
    end;
    else if varname='CI' then do;
        statord=4;
/*      stat='95% CI'; */
        STAT='Geometric 95% CI'; /* 7) JMH 19Jun2014 */ /* 9) JMH
24Jun2014 */
    end;
    else if varname='MEDIAN' then do;
        statord=5;
        stat='Median';
    end;
    else if varname='QUART' then do;
        statord=6;
        stat='Q25, Q75';
    end;
    else if varname='MINMAX' then do;
        statord=7;
        stat='Min, Max';
    end;
    else if varname='MEANSD' then do;
        statord=8;
        stat='Mean (SD)';
    end;
    else if varname='ACI' then do;
        statord=9;
        stat='95% CI';
    end;
    drop varname;
run;

data results08;
    set results07;

    if stat='N' then do;
        * havent set changes to missing as not expected ;
        if missing(rf) then rf='0';
    end;

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        if missing(rm) then rm='0';

    end;
run;

data labels;
set results08;
    attrib rm label = "Raw$value"
           cm label = '%Change$(*)'
           rf label = "Raw$value"
           cf label = '%Change$(*)';

        if index(variable,'T0') then
variable=tranwrd(variable,'T0','T${suB 0}');

                                flag=1;
run;

proc sql noprint;
    create table table.T_15_02_03_08_01 as
    select trtan, trta, avisitn, atpt, variable, statord, stat, rm, cm,
rf, cf
    from labels
    order by trtan, avisitn, atptn, statord;
quit;

proc sort data=labels;
    by trtan avisitn atptn statord;
run;

data paging;
    set labels;
    by trtan avisitn atptn statord;
    if (first.avisitn or first.atptn) or ln > 16 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;

options number nodate orientation=landscape papersize=&p_pgsize 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;

ods path stdlib.tl06324 (read) ;
ods results off;
ods rtf toc_data
file="/cvn/projects/prj/data/000000106324/TFL/&TFL_Part./&tflno..rtf"
style=tl06324 startpage=yes headery=1440 footery=1440 ;
ods noproctitle;

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%do i=1 %to &page;

title ;
footnote;
%let wd=0;

data comp;
    set paging end=eof;
    where page=&i;

    /* Amend title as needed */
    _firtitl="Table 15.2.3.8.1 Descriptive Statistics of 3-HPMA Urinary
Concentration Adjusted for Creatinine";
    _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.)));
    end;

    call symput('ordern',compress(put(trtan,best.)));
    call symput('order',trim(trta));

    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 missing headline headskip missing nowd split =
'$' %if &i=1 %then %do; contents=' ' %end; %else %do; contents='' %end;;;
    column flag page avisitn atptn variable statord stat

    ("&order.&linebot" ("Male$(N=&&trt&ordern.m)&linebot" rm cm)
("Female$(N=&&trt&ordern.f)&linebot" rf cf))

;

define flag          / order order = internal noprint;
define page          / order order = internal noprint;
define avisitn       / order order=internal noprint;
define atptn         / order order=internal noprint;

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define variable      / group style={just=left cellwidth=1.8/*2*/cm}
style(header)={just=center} "Timepoint"; /* 9) JMH 24Jun2014 */
define statord      / order order = internal noprint;
define stat         / display style={just=left cellwidth=2.3/*3*/cm}
style(header)={just=center} "Statistic"; /* 9) JMH 24Jun2014 */

define rm           / display style={just=CENTER/*d*/
cellwidth=1.5cm} style(header)={just=center}; /* 9) JMH 24Jun2014 */
define cm           / display style={just=CENTER/*d*/ cellwidth=2cm}
style(header)={just=center};
define rf           / display style={just=CENTER/*d*/
cellwidth=1.5cm} style(header)={just=center};
define cf           / display style={just=CENTER/*d*/ cellwidth=2cm}
style(header)={just=center}; /* 9) JMH 24Jun2014 */

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

break after page / page;

compute after variable;
line " ";
endcomp;

compute before page / style={protectspecialchars=off};;
line "&linetop";
endcomp;

/*      compute after page/style={just=left cellwidth=5cm
protectspecialchars=off};*/ /* 10) JMH 01Aug2014 */
/*      line "&linebot" ;*/
/*      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 "\b\fs24\sa24(ng/mL / mg/dL creat) by Sex - FAS";*/
line "\b\fs24\sa24(&avalu) by Sex - FAS"; /* 5) JMH
11Jun2014 */
line "&linebot";
endcomp;

compute after _page_ / style={just=left protectspecialchars=off
PRETEXT="&LINETOP."}; /* 10) JMH 01Aug2014 */
line 'Note: CC = Conventional cigarettes; SA = Smoking
abstinence; THS = Tobacco Heating System.';
/*LINE "Note: Geo 95% CI represents the 95% CI of the geometric
mean."; *//* 7) JMH 19Jun2014 */
LINE 'Note: Geometric: mean, CV% and 95%
confidence interval (CI) are reported.'; /* 9) JMH 24Jun2014 */
line "Note: * % change from baseline, where baseline is the
last assessment prior to first product use in CC/THS 2.2 arms on Day 1 or

```

```

last assessment prior to 06:29 AM in SA arm on Day 1."; /* 11) JR
18Sep2014 */
/*      line "Note: * % change from baseline, where baseline is
defined as the last assessment prior to 06:29 AM on Day 1.";*/
      line "Note: Collection over 24 hours starting on the Day
stated in the table.";
      %if &nsum. ge 1 %then %do;
        /*line 'Note: LOQ = XX %';*/ /*Update this value if
required*/
        /*LINE 'Note: LOQ = 20.0 ng/mL';*/ /* 6) JMH 10Jun2014 */
        /*LINE 'Note: BLOQ = 20.0 ng/mL'; */ /* 8) JMH 19Jun2014 */
        LINE "Note: BLOQ = number of observations imputed using half
limit of quantification (20.0 ng/mL)."; /* 10) JMH 01Aug2014 */
      %end;
      line ' ';
      line 'Appendix 15.3.3.1';
      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_03_08_01.lst" new;
run;

proc contents data = table.T_15_02_03_08_01 varnum;
run;
ods listing close;
proc printto ; run;
*=====;
* END OF PROGRAM CODE ;
*=====;

```