

```

%_mprintto;
options notes nosource;
proc datasets lib=work nolist memtype=data kill; quit;
/* Standard - leave this */
%let TFL_Part=%scan(&_SASPROGRAMFILE,-3,%str(/));

/* Standard - leave this */
data _null_;
    tmp="%TFL_Part";
    if tmp not in ("dev" "qc") then call symput("TFL_Part", "prod");
    call symput('TFLpath', compress("&_SASPROGRAMFILE",""));
run;

%put NOTE:
=====;
%put NOTE: Covance Study Number : 000000106326;
%put NOTE: Client Protocol ID   : ZRHM-PK-05-JP;
%put NOTE: Program Name        : tlf_anlqsu.sas;
%put NOTE: Purpose              : table and figure outputs of QSU data;
%put NOTE: ;
%put NOTE: Input Data           : ADAM.ADQSSU;
%put NOTE: Output               : L_15_04_04_12(QSU) T_15_02_04_12(QSU)
F_15_01_02_11_1(QSU) F_15_01_02_11_2(QSU);
%put NOTE: Macros Called        : _MPRINTTO;
%put NOTE: ;
%put NOTE: Programmed by        : cvn_ahall;
%put NOTE: Creation Date        : 2014-30-05;
%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: 30May2014  AOB        1) Title amended;
%put NOTE: 19Jun2014  AMH        2) Small n in statistics row;
%put NOTE: 19Jun2014  AMH        3) Conservative rounding of Ci and SD;
%put NOTE: 19Jun2014  AMH        4) Add QSU listing to reference list;
%put NOTE: 19Jun2014  AMH        5) Ammend footnotes;
%put NOTE: 19Jun2014  AMH        6) Consistent Y axes;
%put NOTE: 19Jun2014  AMH        7) SD to SE in statistics column;
%put NOTE: 19Jun2014  AMH        8) Display Total first;
%put NOTE: 20Jun2014  AMH        9) add where clause used to listing;
%put NOTE: 22Jun2014  APH        10) Amend Menthol to menthol;
%put NOTE: 22Jun2014  APH        11) Amend NRT footnote;
%put NOTE: 08Aug2014  AMH        12) Center Output;
%put NOTE: 08Aug2014  AMH        13) Change Figure Footnote;
%put NOTE: 08Aug2014  AMH        14) Add T0 footnote;

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%put NOTE: 08Aug2014    AMH           15) Present total first ;
%put NOTE: 23Sep2014    APH           16) Create xls spreadsheet of data;
%put NOTE: 23Sep2014    APH           17) Move figures and footnotes outside
of plot;
%put NOTE: ;
%put NOTE:
=====;
options notes source source2 nofullstimer validvarname=upcase missing=' '
NOQUOTELNMAX/*turn off warnings about quoted strings to long*/;
ods _all_ close;
ods listing;

%include
"/cvn/projects/prj/development/000000106326/dev/adhoc/TMPLTMIX.sas";

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

*****;
* read in data ;
*****;
/* Calculate totals for products */

data adsl;
    set adam.adsl(where=(pprotfl='Y'));
    if analgrln=1 then do;
        if index(trt01a,'THS 2.2') or index(trt02a,'THS 2.2') then
colord=1;
        output;
        if index(trt01a,'CC') or index(trt02a,'CC') then colord=2;
        output;
    end;
    else if analgrln=2 then do;
        if index(trt01a,'THS 2.2') or index(trt02a,'THS 2.2') then
colord=1;
        output;
        if index(trt01a,'NRT') or index(trt02a,'NRT') then colord=2;
        output;
    end;
    else if missing(analgrln) then delete;
run;

proc sort data=adsl nodupkey out=adsl1;
    by analgrln analgr1 colord subjid;
run;

proc freq data=adsl1(where=(not missing(colord))) noprint;
    table analgrln*analgr1*colord/ out =totals2(drop=percent
rename=(count=total));
run;

data _null_;

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        set totals2;
        call
symput('tot' || strip(put(colord,best.)) || strip(put(analgrln,best.)), strip(
put(total,best.)));
run;

proc sort data=adam.adqssu(where = (pprotfl='Y' and atptn>0 and paramcd
in ('QSUFAC1','QSUFAC2','QSUTOTAL'))) out=adqssu1;
    by analgr1 paramcd trtseqan usubjid ;
run;

/*make adjustments for different timepoints*/
data adqssu2 missing;
    set adqssu1;
    where analgrln ne .;
    if analgrln=2 and atptn=6 then atptn=7;
    if analgrln=2 and atptn=7 then atpt='T0 + 15/20 min';
    /*Variable label*/
    if paramcd='QSUFAC1' then var='Factor 1 - Reward';
    else if paramcd='QSUFAC2' then var='Factor 2 - Relief';
    else if paramcd='QSUTOTAL' then DO; var='Total Score';
PARAMCD='1SUTOTAL'; END; /* 15) AMH 08Aug2014 */
/*Remove missing values*/
    if missing(aval) then output missing;
    else output adqssu2;
run;
PROC SORT DATA=ADQSSU2; BY ANALGR1N PARAMCD; RUN;

/*treatment and timpoint formats to display text rather than numbers for
listing*/

%fmt(datain=adqssu2, start=trtan, label=trta, name=trt);
%fmt(datain=adqssu2, start=atptn, label=atpt, name=tpt);
%fmt(datain=adqssu2, start=paramcd, label=var, name=var);
%fmt(datain=adqssu2, start=analgrln, label=analgr1, name=grp);

data adqssu;
    set adqssu2;
    format trtan trt. atptn tpt. paramcd var. analgrln grp.;
run;

title1 j=1 "PAGESPLIT"; /*do not change*/
title2 j=1 'PK #byval1, Variable: #byval2';
title3 j=1 'Proc Mixed Procedure';
TITLE4 J=L "The where clause used on the dataset adam.adqspa:
pprotfl='Y'"; /* 9) AMH 20Jun2014 */
%let tflno=L_15_04_04_12(QSU);

%mixout1(fileout=/cvn/projects/prj/data/000000106326/TFL/&TFL_Part./&tfln
o);
options ps=28;

proc mixed data=adqssu method=reml maxiter=200 order=internal;

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    by analgrln paramcd;
    class subjdn trtsean trtan aperiod atptn;
    model aval = trtsean aperiod trtan atptn trtan*atptn / outp=pred;
    random subjdn(trtsean);
    repeated atptn / subject=subjdn*trtan type=csh;
    lsmeans trtan / pdiff alpha=0.05 cl;
    lsmeans trtan*atptn / pdiff alpha=0.05 cl;
    ods output lsmeans=lsmeans;
    ods output diffs=diffs(where=(atptn=_atptn));
    ods output convergencestatus=status;
run;

/*Residual Plots*/
title3 j=1 'Residual Plots';
options ps=27; /*change this for proc plot*/

proc rank data=pred out=resid normal=vw ;
  by analgrln paramcd;
  ranks nscore;
  var resid;
run;

proc plot data=resid hpercent=50;
  by analgrln paramcd;
  plot resid*pred / vref=0;
  plot resid*nscore;
run;
quit;

%mixout2(blankn=70, halfblnk=N,title=Listing 15.4.4.12 Analysis of QSU-
brief Questionnaire Factors and Total Score - PK Population );

/*data counts*/

/*timepoints*/
proc univariate data=adqssu noprint;
  by analgrln paramcd;
  class trtan atptn;
  var aval;
  output out=num1 n=n1;
run;
/*overall*/
proc sql;
  create table num2 as
  select analgrln, paramcd, trtan, count(distinct usubjid) as n1
  from adqssu
  where not missing(aval)
  group by analgrln, paramcd, trtan;
quit;

/*Manipulate datasets for output all relevent stats on each row*/
/*_____*/
data tabout;
  length out $100 stat $100;

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set lsmeans(in=a) diffs(in=b) num1(in=c) num2(in=d);
/*ordering columns of treatments*/
if b then colord=3; /*comparision*/
else if trtan=4 then colord=1;
else if trtan in (5,7) then colord=2;
/* N row*/
  if c or d then do;
    ord=1;
    stat=/'N'/'n'; /* 2) AMH 19Jun2014 */
    out=compress(put(n1,best.));
    output;
  end;
/*mean (sd) row*/
  if a or b then do;
    ord=2;
    stat='Mean (SE)'; /* 7) AMH 19Jun2014 */
    out=compress(put(round(estimate,0.01),8.2));
    if colord=3 then out=compress(out)||'
(||compress(put(round(stderr,0.001)*CEIL(STDERR*1000)/1000,8.3))||')'
; /* 3) AMH 19Jun2014 */
    output;
  /*95% CI row*/
    ord=3;
    stat='95% CI';

out=compress(put(round(lower,0.01)*FLOOR(LOWER*100)/100,8.2))||',
'||compress(put(round(upper,0.01)*CEIL(UPPER*100)/100,8.2)); /* 3) AMH
19Jun2014 */
    output;
  end;
run;

/*Add labels for all number variables*/
/*_____*/
data tabout1;
  set tabout ;
/* timepoint label*/
atpt=tranwrd(put(atptn,tpt.),'T0','T`{sub 0}');
/*overall timepoint label*/
  if missing(atptn) then do;
    atptn=0;
    atpt='Overall';
  end;
run;

/*transpose for output*/
proc sort data=tabout1;
  by analgrln paramcd atptn ord colord;
run;

proc transpose data=tabout1 out=ttabout(drop=_NAME_) prefix=col;
  by analgrln paramcd atptn atpt ord stat;
  id colord;
  var out;

```

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run;

/* Standard - macro for paging */
%macro outrtf(blankn=68, halfblnk=N, ref=);

/* treatment column headers and footnotes */

/*group 1*/
%let col11=THS 2.2 Menthol#(N=&tot11);
%let col21=mCC#(N=&tot21);
%let col31=THS 2.2 Menthol -#mCC;
%let foot1=%str(mCC = menthol conventional cigarettes);/* 10) APH
22JUN2014 */
/*group 2*/
%let col12=THS 2.2 Menthol#(N=&tot12);
%let col22=NRT gum#(N=&tot22);
%let col32=THS 2.2 Menthol -#NRT gum;
%let foot2=%str(NRT gum = Nicotine Replacement Therapy gum);/* 11) APH
22JUN2014 */

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

/* Standard - just change the number to match the listing you're working
on. Also change the letters in the*/
/* bracket, eg ccb = current cigarette brands. Make sure to do this at
the top of the code too. */

%let tflno=T_15_02_04_12(QSU);

/*page numbers*/
data paging;
  set ttabout;
  by analgrln paramcd atptn;
  flag=1;
  retain ln 0 page 0;
  if first.atptn then ln+1;
  if first.analgrln or ln>4 then do;
    page+1;
    ln=1;
  end;
  if last.analgrln then call symput("tpage",compress(page,best.));
run;

/* Standard - leave this */
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) ;

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%let linebot = \brdrb\brdrs\brdrw30;
%let linebot2 = \brdrb\brdrs\brdrw15;

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 &tpage;

ODS PROCLABEL = ' ';
title ;
footnote;
%let wd=0;

data comp;
    set paging end=eof;
    by paramcd atptn ord;
    where page=&i;
    call symput('grp',compress(put(analgrln,best.)));
    /* Amend title as needed */
    _firtitl="Table 15.2.4.12    Analysis of QSU-brief Questionnaire
Factors and Total Score - PK Population";
    _upcas=(length(_firtitl)-
length(compress(_firtitl,'ABCDEFGHIJKLMNOPQRSTUVWXYZ')))/2;
    len=&blankn.-length("(Page &i of &tpage)");
    if eof then do;
        call symput('_FSRTITL', trim(left(_firtitl)));
        call symput('_blankn', compress(put(len,best.)));
    end;
    drop _firtitl _upcas len;
run;

ods listing close;
ods proclabel = ' ';

* 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 headline headskip missing nowd split = '#'
spanrows
%IF &I=1 %THEN %DO; CONTENTS=' ' %END; %ELSE %DO; CONTENTS='' %END;;
    column flag page paramcd atptn atpt ord stat ("Group-&grp PK
&linebot." coll col2 col3) ;
    define flag / order noprint;
    define page          / order order = internal noprint;

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        define paramcd          / group ORDER=INTERNAL style={just=left
cellwidth=2.5cm} "Variable";
        define atptn           / order order=internal noprint;
        define atpt            / group style={just=left cellwidth=2.1cm} "Time
point";
        define ord             / order order=internal noprint;
        define stat            / display style={just=left cellwidth=3cm}
"Statistic";
        define coll            / display style={just=C/*d*/ cellwidth=3cm}
style(header)={just=center} "&&coll&grp";
        define col2           / display style={just=C/*d*/ cellwidth=3cm}
style(header)={just=center} "&&col2&grp";
        define col3           / display style={just=C/*d*/ cellwidth=3cm}
style(header)={just=center} "&&col3&grp"; /* 12) AMH 08Aug2014 */

        break after page / page;

        break before flag / page %IF &I=1 %THEN %DO;
            CONTENTS="&_FSRTITL" %END; %ELSE %DO; CONTENTS='' %END;;

        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 atptn;
            line " ";
        endcomp;

        compute after _page_ / style={just=left protectspecialchars=off
pretext="&linetop."} ;
            LINE "Note: &&foot&grp; THS = Tobacco Heating System.";
            LINE "Note: QSU-brief scores reported on a 7-point scale. Higher
values indicate greater intensity of urge.";
            LINE 'Note: Means and 95% CI are the adjusted least squares means
and confidence intervals from an ANOVA model.';
/*            line "Note: Means and 95% confidence interval (CI) are the
adjusted least squares means and CIs from an ANOVA model with sequence,
period, product, time point and product *timepoint as fixed effect
factors and subject within sequence as a random effect. Time point is
fitted as a repeated effect.";*/
            LINE 'Note: T`{sub 0} = Time of first product-use at single use day';
/* 14) AMH 08Aug2014 */
        %if &grp=2 %then %do;

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        line "Note: In Group-2 PK, the QSU-b values at T`{sub 0} + 15/20
min refer to QSU-brief data at time T`{sub 0} + 15 min for THS 2.2
Menthol, and to QSU-brief data at time T`{sub 0} + 20 min for NRT gum";
%end;

        line "Note: Comparison overall time points is the main
comparison.";
/*        line "Note:  &&foot&grp; THS = Tobacco Heating System.";*/
        line "";
        line "Appendix &ref.";
        line "Path: &TFLpath." &_blankn.*"\~\~" "(Page &i of
&tpage)";
        line "Program Run: &sysdate  &sysuserid  Program Status:
&status";
        endcomp;

run;
%end;
ods rtf close;
ods results on;
ods path reset;

%mend ;

%outrtf(blankn=70, halfblnk=N, ref=15.4.4.12 and 15.3.6.11); /* 4) AMH
19Jun2014 */

/*Figure Output*/
/*
_____*/

data figpag;
    set tabout1;
    where colord=3 and ord=2;
    by analgrln paramcd;
    atpt=left(tranwrd(atpt,'T`{sub 0}','T0'));
        NTIME=INPUT(COMPRESS(ATPT,'1234567890','k'),BEST.);
    IF ATPTN=7 THEN NTIME=15;
    IF INDEX(ATPT,'min') THEN NTIME=NTIME/60;
    TYPE=1;
    IF ATPTN=0 THEN DO; NTIME=-0.5; TYPE=2; END;
    /*overall timepoint no series plot*/
    if atptn ne 0 then series=estimate;
    else atptn=5.5;
    retain page 0;
    if first.paramcd then page+1;
    if first.analgrln then page=1;
    if last.analgrln then call
symput("tpage"||compress(put(analgrln,best.)),compress(put(page,best.)));
    keep analgrln paramcd atptn estimate lower upper page atpt series
    NTIME TYPE;

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run;

/* Ensure ODS listing, html etc is turned off to prevent */
/* temporary or junk image files being produced          */
title; footnote;
options notes source source2 nofullstimer validvarname=upcase
        nonumber nodate orientation=portrait papersize=&p_pgsz missing=' ';
ods graphics on; /* As we are effectively using ODS graphics we need to
ensure that it is turned on */
ods graphics / noborder height=14 cm width=16 cm; /* Removes border
around the image */
ods path reset;
ods exclude all;
/* please include styles template */
%let temp=/cvn/projects/prj/development/000000106326/dev/macro/;
%include "&temp.figtmpl.sas";

%let blankn=70;
%macro graph();

%do grp=1 %to 2;
/*%let ref=15.4.4.12; */
%let ref=15.4.4.12 and 15.2.4.12 ; /* 13) AMH 08Aug2014 */
%let tflno=F_15_01_02_11_&grp.(QSU);

/* treatment column headers and footnotes */

/*group 1*/
%let tit1=THS 2.2 Menthol - mCC;
/*group 2*/
%let tit2=THS 2.2 Menthol - NRT gum;

/*Create format for timpoint labels*/
data form; set figpag;
where analgrln=&grp;
if atptn=6 then atptn+1;
run;
%fmt(datain=form, start=NTIME, label=ATPT, name=NTIME);
/*%fmt(datain=form, start=atptn, label=atpt, name=tpoint);*/

ods rtf toc_data
file="/cvn/projects/prj/data/000000106326/TFL/&TFL_Part./&tflno..rtf"
style=t106326_g startpage=yes headery=1440 footery=1440;

%do i=1 %to &tpage&grp;

data plot;
set figpag end=eof;
where page = &i and analgrln=&grp;
/* macro variables work fine with templates */
if atptn=6 then atptn+1;
call symput("var",trim(left(put(paramcd,var)))) );
/* Amend title as needed */

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        /*_firtitl="Figure 15.1.2.11.&grp QSU-brief Factors and Total
Score Profiles Arithmetic Least Squares Mean Differences (&TIT&GRP) and
95% CI - Group-&grp PK Population"; */ /* 3) AMH 23May2014 */
        _firtitl="Figure 15.1.2.11.&grp QSU-brief Factors and Total
Score Profiles Arithmetic Least Squares Mean Differences (&TIT&GRP) (±
95% CI) - Group-&grp PK Population";/* 1) AOB 30May2014 */
        if eof then do;
            call symput('_FSRTITL', trim(left(_firtitl)));
        end;
        drop _firtitl ;
    run;

        /* 15) APH 23SEP2014 */

PROC SQL;
CREATE TABLE PLOT2 AS
SELECT PUT(ANALGR1N,GRP.) AS ANALGR1C, PUT(PARAMCD,$VAR.) AS PARAMC,
ESTIMATE, LOWER, UPPER, ATPT, NTIME
FROM FORM;
QUIT;

PROC EXPORT
DATA=PLOT2
DBMS=XLSX
OUTFILE="/cvn/projects/prj/data/000000106326/TFL/&TFL_Part./&tflno..xlsx"
REPLACE;
SHEET=Sheet1;
RUN;
    /* 15) APH 23SEP2014 */

proc template;
    define statgraph temp;
        begingraph /;
        /* we can change the alignment of text using halign=, text
attributes can also be set */
        /*
            entrytitle halign=left "&_FSRTITL." /*;*/
        /*
            entrytitle " " ;*/ /* 16) APH 23SEP2014 */
        /* textattrs options include size, color, font, weight and
style */
        /* the default text attributes are picked up from the default
rtf styles template */
        /* this can be changed using style= in the ods rtf statement
*/
        entrytitle halign=left "Variable: &var" /;
        layout overlay /
XAXISOPTS=(label="Timepoint" /*LINEAROPTS=(TICKVALUEFITPOLICY=rotate
viewmin=5 viewmax=15.5 tickvaluelist=(5.5 7 8 9 10 11 12 13 14 15))*/
        LINEAROPTS=(TICKVALUEFITPOLICY=rotate viewmin=-0.65 viewmax=12.1
tickvaluelist=(-0.5 0.25 1 2 4 6 9 12)))
        YAXISOPTS=(label="LS Mean Difference"
        LINEAROPTS=(viewmin=-2 viewmax=1 tickvaluesequence=(start=-2 end= 1
increment=0.5)))
    ;

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scatterplot x=NTIME/*atptn*/ y=estimate /INDEX=TYPE
GROUP=TYPE yerrorlower=lower yerrorupper=upper MARKERATTRS=(COLOR=BLACK)
;
seriesplot x=NTIME/*atptn*/ y=series /INDEX=TYPE
primary=true display=(markers) MARKERATTRS=(COLOR=BLACK)
LINEATTRS=(COLOR=BLACK) ;
referenceline y=0 / lineattrs=(pattern=2);
endlayout;
/* footnotes work using the same option as the entrytitle
statement */

/* entryfootnote halign=left "Note: Means and 95% confidence
interval (CI) are the adjusted least squares means and CIs from an ANOVA
model." /; */
/* ENTRYFOOTNOTE HALIGN=LEFT 'Note: T0 = Time of first product-
use at single use day'; */ /* 14) AMH 08Aug2014 */ /* 16) APH 23SEP2014
*/
/*entryfootnote ""*/
/* entryfootnote halign=left "Appendix &ref." / ;*/
/* entryfootnote halign=left "Path: &TFLpath." halign=right
"(Page &i of &&tpage&grp)" / ;*/
/* entryfootnote halign=left "Program Run: &sysdate &sysuserid
Program Status: &status" / ;*/ /* 15) APH 23SEP2014 */

endgraph;
end;
run;

/* ods select all;*/
/**/
/*%if &i=1 %then ods proclabel "&_FSRTITL."; */
/*%else ods rtf notoc_data;*/
ods select all;

ods escapechar='^';
ODS RTF PREPAGE="^S={outputwidth=100% just=l font_size=12pt
font_weight=bold background=white foreground=black
font_face=arial}^R/RTF'\QL' Figure 15.1.2.11.&grp QSU-brief Factors and
Total Score Profiles Arithmetic Least Squares Mean Differences
(&&TIT&GRP) and 95% CI - Group-&grp PK Population";

proc sgrender data=plot template=temp objectlabel=''; /* applies the
above template to the specified data */
FORMAT NTIME NTIME.;
/* format atptn tpoint.*/
run;

ODS RTF TEXT="^S={outputwidth=100% just=l font_size=9pt background=white
foreground=black font_face=arial}^R/RTF'\QL' Note: LS Mean and 95% CI are
the adjusted least squares means and confidence intervals based on an
ANOVA model.";

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ODS RTF TEXT="^S={outputwidth=100% just=l font_size=9pt background=white
foreground=black font_face=arial}^R/RTF'\QL' Note: QSU-brief scores
reported on a 7-point scale. Higher values indicate greater intensity of
urge.";
ODS RTF TEXT="^S={outputwidth=100% just=l font_size=9pt background=white
foreground=black font_face=arial}^R/RTF'\QL' Note: T0 = Time of first
product-use at single use day.";
%if &grp=2 %then %do;
ODS RTF TEXT="^S={outputwidth=100% just=l font_size=9pt background=white
foreground=black font_face=arial}^R/RTF'\QL' Note: T0+15/20 min refers to
T0+15min for THS 2.2 Menthol and T0+20min for NRT gum.";
%end;
ODS RTF TEXT="^S={outputwidth=100% just=l font_size=9pt background=white
foreground=black font_face=arial}^R/RTF'\QL' Appendix: &ref.";
ODS RTF TEXT="^S={outputwidth=100% just=l font_size=9pt background=white
foreground=black font_face=arial}^R/RTF'\QL' Path: &TFLpath.
(Page &i of &&tpage&grp)";
ODS RTF TEXT="^S={outputwidth=100% just=l font_size=9pt background=white
foreground=black font_face=arial}^R/RTF'\QL' Program Run: &sysdate
&sysuserid Program Status: &status";

%end;
ods markup close;
/*ods rtf close; */
ods path reset;
%end;
%mend graph;
%graph;

ods exclude all;
ods _all_ close;

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

```