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*****;
* Project          : ZRHM-REXA-07-JP
*
* Program name     : t15020447_ZRHM-REXA-07_V1.sas
*
* Author           : M. SUN
*
* Date created     : 06/18/2015
*
* Purpose          : Table 15.2.4.47
*
* Revision History :
*
* Date            Author      Ref      Revision (Date in YYYYMMDD format)
*
*****;

%let prgname=T15020447_ZRHM_REXA_07_JP_V1;

options mprint;
ods escapechar='^';

options sasautos=('W:\pmp07\macros' sasautos) notes;
%init(delivery=9);
%titlecsv(prgname=&prgname., version=5);
%put &endpoint;

*libname adam 'W:\pmp07\Data\ADAM' access=readonly;
%macro doit;
data getdata;
  set adam.adxt;
  where paramcd='VITP_L' and avisitn>100;
  if aval=. then aval=9;
run;

proc sort data=getdata;
by usubjid avisitn;
run;

data _pop1 _pop2 _pop3 _pop4;
  set adam.adsl;
  if fasfl='Y';
  if trt01p='THSm2.2' then output _pop1;
  else if trt01p='mCC' then output _pop2;
  else if trt01p='SA' then output _pop3;
  output _pop4;
  keep usubjid;
run;

%do j=1 %to 1; /* for 4 groups, including total*/

%global totn&j;
data _null_;
  set _pop&j end=eof;
  if eof then call symputx("totn&j",_n_);
run;

data _data&j;
  merge _pop&j(in=x) getdata(in=y);
  by usubjid;
  if x and y;
  length atime $60;
  if avisitn=0 then atime='Baseline';
  else atime=propcase(avisit);

run;

proc freq data=_data&j noprint;
tables avisitn*atime*aval/out=temp&j;
run;
proc freq data=_data&j noprint;
tables avisitn*atime/out=temptt&j(rename=(count=tot));
run;

data _res&j;
merge temp&j temptt&j;
  by avisitn atime;
  length pct&j $10 stat $60;
  ord=aval; stat=strip(put(aval,best.));
  pct&j = '('||strip(put(count/tot*100, 4.1))||'%)';
  if aval=9 then do;
    stat='Missing';
  end;
run;

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data _res&j;
  set _res&j(rename=(count=countttt));
  length count $60;
  count=strip(put(countttt,best.));
run;

data _tot&j;
  set temptt&j;
  length stat count $60;
  ord=-1; stat='^S={font_weight=bold}n of THS 2.2 products used';
  count='^S={font_weight=bold just=c}'||strip(put(tot,best.));

  keep avisitn atime ord stat count;
run;

data _res&j;
  set _res&j _tot&j;
  by avisitn atime ord;
run;

run;
%end;

data final;
  set _res1;
  by avisitn atime ord;
run;

proc datasets library=work memtype=data nolist;
delete _: temp;;
run;quit;

data final;
  set final;
  by avisitn atime ord;
  if first.atime then ctpg+1;
  if ctpg>4 or _n_=1 then do;
    pagen+1;
    ctpg=1;
  end;
run;

data final;
  set final end=eof;
  by pagen;
  if eof then call symputx("totalpage",pagen);
run;

data odata.&prgname.;
retain pagen avisitn atime ord stat count pct1;
set final;
run;

%trtrtfg(pgmname=&outname., pgmid=1, new=0, style=, bookmark=%lowcase(&outname.));

%do i=1 %to &totalpage;

data final&i;
  set final;
  where pagen=&i;
run;

title; footnote;

proc report data=final&i headskip headline nowd split='- ' style=[outputwidth=100%] style(header column)=[protectspecialchars=off];

  column pagen  avisitn atime ord stat ("^R/RTF'\brdrb\brdrs ' THSm2.2~(N=&&totn1)" count pct1);
  define pagen  /order order=internal noprint;
  define avisitn /order order=internal noprint;
  define atime  /order "Timepoint" style(column)=[cellwidth=11% just=1] style(header)=[just=1];
  define ord    /order order=internal noprint;
  define stat   /display "Evaluation" style(column)=[cellwidth=17% just=1] style(header)=[just=1];
  define count  /display "n" style(column)=[cellwidth=10% just=c];
  define pct1   /display "(%)" style(column)=[cellwidth=10% just=c];

COMPUTE before pagen;
LINE @1 " ";
ENDCOMP;

COMPUTE after atime;
LINE @1 "";
ENDCOMP;

compute before _page_ /style=[fontweight=bold fontsize=3.75];

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line @1 "&title1 &title2";
line @1 " ";
line @1 "^R/RTF'\brdrb\brdrs\brdrw30\brsp20\b ' ";
endcomp;

compute after _page_/style=[fontsize=1.75];
line @1 "Note: THS = Tobacco Heating System.";
line @1 "Note: Percentages are based on the number n of THS 2.2 products used.";
line @1 "Note: 0 = No overheating, 1 = White spot(s) inside the tobacco plug, 2 = Ashes inside the tobacco plug and burn
t paper. ";
"Missing values assessed as the difference between the number of sticks used and the number of sticks for which visual "
"inspection of the plug has been performed.";
line @1 " ";
line @1 "&APPENDIX.";
line @1 "Study ID:ZRHM-REXA-07-JP          Program: &fprgname..sas          Status: &repversion./&fdate.          Page: &i.
of &totalpage";

endcomp;

run;
%end;

ods listing;
ods rtf close;
%mend;

options missing="";

%doit;

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