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*****;
* Project          : ZRHM-REXA-07-JP
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* Program name     : t1502060601_ZRHM_REXA_07_JP_v1.sas
*
* Author          : H Shu
*
* Date created     : 06/22/2015
*
* Purpose          : Create Table 15.2.6.06.1 Summary of AE by Causality by Product Use ¶ Safety Population - Ambulator
y Period
*
* Revision History :
*
* Date      Author      Ref      Revision (Date in YYYYMMDD format)
* 07/12/2015 HS          Addressed PMP review comments
* 07/20/2015 HS          Added Not Related category per PMP request
*****;
%let prgname=T1502060601_ZRHM_REXA_07_JP_V1;
options sasautos=("W:\pmp07\macros" sasautos) noquotelenmax;
%init(delivery=9);
%titlecsv(prgname=&prgname,version=5);
%trtrtfpg(pgmname=&outname., pgmid=1, new=0, style=, bookmark=%lowcase(&outname.));

data ADSL;
  set adam.adsl;
  if TRT01A='THSm2.2' then do;
    tg=1;
    TRT01A=GPUCAT1; /*no further mapping per PMP*/
    if GPUCAT1='THS 2.2' then TRT01AN=1;
    else if GPUCAT1='Not Abstinent' then TRT01AN=2;
    else if GPUCAT1='Missing' then TRT01AN=3;
  end;
  else if TRT01A='mCC' then do;
    tg=2;
    TRT01A=GPUCAT1;
    if GPUCAT1='CC' then TRT01AN=4;
    else if GPUCAT1='Missing' then TRT01AN=5;
  end;
  else if TRT01A='SA' then do;
    tg=3;
    TRT01A=GPUCAT1;
    if GPUCAT1='Abstinent' then TRT01AN=6;
    else if GPUCAT1='Predominantly Abstinent' then TRT01AN=7;
    else if GPUCAT1='Missing' then do;
      TRT01AN=8;
    end;
  end;
  TRT01A='Missing^S={}';
end;

run;

data ADAE;
  merge adam.ADAE(in=in1 drop=TRTAN TRTA rename=(AEREL=_AEREL)) ADSL(keep=USUBJID TRT01AN TRT01A);
  by USUBJID;
  format AEREL $30.;
  if in1 then do;
    select(_AEREL);
    when('NOT RELATED') do;
      AEREL='^R' " Not Related to IP';
      AERELN=1;
    end;
    when('RELATED') do;
      AEREL='^R' " Related to IP';
      AERELN=2;
    end;
    otherwise;
  end;
  end;
  rename TRT01AN=TRTAN TRT01A=TRTA;
  drop _AEREL;
run;

proc format;
  value rel 2='^R' " Related to IP^R"\line " Expected^R"\line " Not expected'
    1='^R' " Not Related to IP';
  value _gtrxf 1='\brdrb\brdrs THSm2.2+(N=78)'
    2='\brdrb\brdrs mCC+(N=42)'
    3='\brdrb\brdrs SA+(N=40)'
    100=' ';
quit;

%global _ppg;
%let _ppg=0;
%let tit2=;
%maes(sld=adsl,ad=adae,pwhere=SAFAFL='Y',awhere=SAFAFL='Y' and ASPER=3,f2=N,odn=t1502060601,tp=1,ps=25,tadj=N,tg=tg,
  endo=Y,etext=Adverse events,apb=N,s1=AERELN,s1t=AEREL,s1r=1 to 2,s1f=rel.,
  owhere="AEBODSYS='Adverse events' & TRTAN ^in (3 5 8 100)),

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f4=%nrquote("Note: No AE was observed in 3 subjects discontinued during confinement "  
            "(N=1 in each THSm2.2, mCC, and SA arm.) and in 1 subject (THSm2.2) with missing product use."))
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