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/*=====
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| Covance Study Number   : 000000106331          |
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```
| Program Name           : addt.sas              |
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```
| Purpose                 : Create Adam Dataset (ADDT)      |
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```
| Input Data              : adsl ,sdtm.DS           |
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```
| Output Data             : adam.adds              |   |
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|                          |
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```
| Macros Called           :%m_printto , %m_logchk, %m_attrib_adam
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```
| Originally Performed by :paddepalli             |
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| Date                    : 17Mar2015              |
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| Modification History : Original Version          |
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| Modified by           :                          |
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| Modification Date      :                          |
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| Modification Reason    :                          |
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```
* macro to save output and log to appropriate areas ;
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```
proc datasets lib=work nolist memtype=data kill; quit;
```

```
libname adam "&base2/datasets/adam/cleaned_adam";
```

```

libname sdtm "/cvn/projects/prj/data/000000106331/datasets/sdtm/sdtmx";

%m_printto(route=YES);

options validvarname=upcase missing=' ';

*****;

* bring in ADSL ;

*****;

data adsl;

    set adam.adsl;

    keep studyid usubjid subjid: siteid age sex: race height weightbl bmi

    ucpdgr1 ucpdgr1n nicogr1 nicogr1n targr1 targr1n

    /*cobl*/ enrfl scrffl exfl enfl complfl fupfl FSAFBFL FSAFAFL SAFBFL SAFAFL fasfl
pprot1fl

    pprot2fl pprot3fl pprot4fl randfl trtsdt trt01p trt01pn trt01a trt01an dthfl EXNOTRFL randdt;

run;

*****;

* bring in DT ;

*****;

DATA DT;

    SET SDTM.DT(rename=(dtspid=dtspid_));

    length avisit $40 avisitn 8 dtspid $1 dtstdtc1 $19;

* dates;

```

```

dtstdtc1=dtstdtc;

    if length(dtstdtc) gt 10 then astdtm = input(dtstdtc1,e8601dt.);
else if length(dtstdtc) = 10 then astdtm = dhms(input(dtstdtc1, yymmdd10.),0,0,0);

    if not missing(asterdtm) then asterdt = datepart(asterdtm);

    else if not missing(dtstdtc) then asterdt = input(dtstdtc,yymmdd10.);

    * visit ;

    dtspid=dtspid_;

    avisit = upcase(visit);

    avisitn = visitnum;

    format asterdtm datetime13. asterdt date9.;

KEEP  USUBJID SPDEVID dtspid dtseq dtterm dtdecod dtparty

    dtprtyid dtcat dtstdtc epoch asterdtm asterdt avisit avisitn ;

RUN;


proc sort data = dt;

    by usubjid;

run;


*****
* Combine ADSL and DT data *;
*****

data sv1;

set sdtm.sv;

where upcase(visit) ='DAY 6/DISCHARGE CONFINEMENT' ;

```

```

svstdtc_con= input(svstdtc,yyymmdd10.);

format svstdtc_con date9.;

keep usubjid svstdtc_con ;

run;

data sv2;

set sdtm.sv;

where upcase(visit) ='DAY 91/DISCHARGE AMBULATORY' ;

svstdtc_dis= input(svstdtc,yyymmdd10.);

format svstdtc_dis date9.;

keep usubjid svstdtc_dis;

run;

proc sort data=sv1 nodupkey ;by usubjid;run;

proc sort data=sv2 nodupkey ;by usubjid;run;

data sltd;

    merge adsl dt(in=a) sv1 sv2 ;

    by usubjid;

    if a ;

length aperiod trtan trtpn astday asperc 8 trta trtp asperc $40 aperiodc $10;;

if not missing(astdt) and not missing(trtsdt) then astday = astdt - trtsdt + 1;

aperiod=1;

if not missing(aperiod) then do;

    aperiodc = 'Period ' || put(aperiod, 1.);

end;

/* ASPERC DERivation:*/

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```

        if not missing(AVISITN) then do;
            if AVISITN < 101 then ASPER=1;
        else if 101< =AVISITN<=106 then ASPER=2;
        else if 106< AVISITN<=191 then ASPER=3;
        else if AVISITN >191 then ASPER=4;
    end;

```

```

    if ASPER eq 1 then ASPERC='Pre-Randomization Period';
    if ASPER eq 2 then ASPERC='Confinement Period' ;
    if ASPER eq 3 then ASPERC= 'Ambulatory Period';
    if ASPER eq 4 then ASPERC='Safety Follow-up Period' ;

```

```

        if aperiod=1 then do;
            TRTP= TRT01p;
            TRTPN=trt01pn;
            TRTA=trt01a;
            trtan=trt01an;
        end;
    run;

```

```

*****;

* create output dataset ;

*****;

data addt;

```

```
set sldt;
```

```
run;
```

```
%m_attrib_adam(dset=ADDT);
```

```
proc sort data = addt out = adam.addt(label= 'Device Tracking and Disposition Analysis Dataset');
```

```
    BY USUBJID DTCAT SPDEVID DTDECOD DTSTDTC AVISITN;
```

```
run;
```

```
%m_logchk;
```

```
*=====;
```

```
* END OF PROGRAM CODE                ;
```

```
*=====;
```