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/*=====
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```
| Covance Study Number   : 000000106331          |
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```
| Program Name           : adds.sas              |
```

```
| Purpose                 : Create Adam Dataset (ADDS)      |
```

```
| Input Data              : adsl ,sdtm.DS           |
```

```
| Output Data             : adma.adds              |   |
```

```
|                          |
```

```
| Macros Called           :%m_printto , %m_logchk, %m_attrib_adam
```

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```

```
| Originally Performed by :paddepalli              |
```

```
| Date                   : 13Mar2015              |
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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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+=====
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```
* macro to save output and log to appropriate areas ;
```

```
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=' ';

*=====;

* START OF PROGRAM CODE                                ;

*=====;

*****.

* bring in ADSL ;

*****.

data adsl;

    set adam.adsl;

run;

*****.

* bring in SUPPDS ;

*****.

proc transpose data = sdtm.suplds out=suplds(drop = _:);

    by usubjid idvarval;

    var qval;

    id qnam;

    idlabel qlabel;

run;

```

```
data suppbs2(drop = idvarval);
```

```
    set suppbs;
```

```
    dsseq = input(idvarval,best.);
```

```
run;
```

```
proc sort data=suppbs2;
```

```
    by usubjid dsseq;
```

```
run;
```

```
*****;
```

```
* bring in DS ;
```

```
*****;
```

```
proc sort data = sdtm.ds out = ds1;
```

```
    by usubjid dsseq;
```

```
run;
```

```
data ds2;
```

```
length other $200;
```

```
    merge ds1 suppbs2 (rename=(other=other_));
```

```
    by usubjid dsseq;
```

```
    format astdtm datetime13. adt asdt date9. asttm time5. ;
```

```
    if length(dsstdtc) gt 10 then astdtm = input(dsstdtc,e8601dt.);
```

```
    if not missing (dsdtc) then
```

```
        adt = input(dsdtc,yyymmdd10.);
```

```

other=other_;

    if not missing(astdtm) then astdt = datepart(astdtm);

    else if length(dsstdtc) = 10 then astdt = input(dsstdtc,yymmdd10.);

    if not missing(astdtm) then asttm = timepart(astdtm);

    keep usubjid dsseq dsterm dsdecod dscat dsdtc dsstdtc dsstdy adt astdtm astdt asttm epoch
other;

run;

*****;

* Combine ADSL and DS data *;

*****;

proc sort data= adsl;by usubjid;run;

proc sort data=ds2;by usubjid;run;

data slds(drop=trtsdt);

    merge adsl ds2(in = a);

    by usubjid;

    if a;          * only include subjects with DS data ;

    format aday astday aperiod trtan trtpn 8. trta trtp $40. aperiodc $10.;

    if not missing(adt) and not missing(trtsdt) then do;

        aday = adt - trtsdt + 1;

    end;

    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;

    if aperiod=1 then do;

        TRTP= TRT01p;

        TRTPN=trt01pn;

        TRTA=trt01a;

        trtan=trt01an;

    end;

run;

*****;

* create output dataset ;

*****;

data adds;

set slds;

run;


%m_attrib_adam(dset=ADDS);


proc sort data = adds out = adam.adds(label= 'Disposition Analysis Dataset');

    by usubjid dsstdtc dsdtc dsdecod dsterm;

run;

```

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

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

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

```
data pr;
```

```
set adds;
```

```
run;
```

```
data qc;
```

```
set qadam.qadds;
```

```
run;
```

```
proc compare base = adam.adds compare = qadam.qadds listobs listvar;
```

```
run;
```

```
%m_logchk;
```