

```
/*=====
```

Covance Study ID : COV-000000106331

Program Name : d_adDE.sas

Purpose : Program to ADDE dataset

Author : siva karnati

Date of Creation : 23MAR2015

Input Data : SDTM.DE,SDTM.SUPPDE,ADAM.ADSL

Output Data : ADAM.ADDE

Macros Called : m_printto,m_attrib_adam,m_logchk

```
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```

Modification History

```
=====
```

Modified by :

Modification Date :

Modification Description :

```
=====*/
```

```
%m_printto(route=YES);
```

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

```
/* SUPPDE */
```

```
PROC SORT DATA=SDTM.SUPPDE OUT=SUPPDE;BY USUBJID IDVARVAL;RUN;
```

```
PROC TRANSPOSE DATA=SUPPDE OUT=SUPPDE_(DROP=_:);
```

```
    BY USUBJID IDVARVAL;
```

```
    VAR QVAL;
```

```
    ID QNAM;
```

```
RUN;
```

```
/*DE DATA*/
```

```
DATA DE;
```

```
    SET SDTM.DE;
```

```
RUN;
```

```
PROC SQL;
```

```
    CREATE TABLE DE_ AS  SELECT A.*,AEREL,NDSN FROM DE A, SUPPDE_ B WHERE  
    A.USUBJID=B.USUBJID  AND A.DESEQ=INPUT(B.IDVARVAL,2.);
```

```
QUIT;
```

```
DATA DE_1;
```

```
    SET DE_(RENAME=(AEREL=AEREL_ NDSN=NDSN_ ));
```

```
    FORMAT  ASTDT AENDT DATE9. ASTDTM AENDTM DATETIME13. AEREL NDSN AENUM $11.  
    AVISIT $40. ;
```

```
    LENGTH DESEVN AVISITN 8.;
```

```
        IF STRIP(DESEV)="MAJOR" THEN DESEVN=2 ;
```

```
        ELSE DESEVN=1;
```

```
        AEREL=STRIP(AEREL_);
```

```

AENUM="";

NDSN=STRIP(NDSN_);

AVISIT=STRIP(VISIT);

AVISITN=VISITNUM;

IF LENGTH(DESTDTCT)>10 THEN ASTDTM=INPUT((DESTDTCT| |":00"),IS8601DT.);

        ELSE IF LENGTH(DESTDTCT)=10 THEN
ASTDTM=DHMS(INPUT(DESTDTCT,YYMMDD10.),0,0,0);

        IF ASTDTM NE . THEN  ASTDT=DATEPART(ASTDTM);

        IF LENGTH(DEENDTCT)>10 THEN AENDTM=INPUT((DEENDTCT| |":00"),IS8601DT.);

                ELSE  AENDTM=DHMS(INPUT(DEENDTCT,YYMMDD10.),0,0,0);

        IF AENDTM NE . THEN  AENDT=DATEPART(AENDTM);


KEEP USUBJID DESEQ DESPID SPDEVID DETERM DEDECOD DECAT DESEV DESEVN DEACNDEV
AEREL NDSN

        AENUM AVISIT AVISITN DESTDTCT ASTDT ASTDTM  AENDTM DESTDY DEENDTCT AENDT
DEENDY EPOCH ;


RUN;


/*ADSL DATA*/


DATA ADSL;

        SET ADAM.ADSL(WHERE=(DTESTDT NE .));

        KEEP STUDYID USUBJID SUBJID SUBJIDN SITEID AGE SEX SEXC SEXN RACE DTHFL HEIGHT
WEIGHTBL

        BMI UCPDGR1  UCPDGR1N NICOGR1 NICOGR1N  TARGR1  TARGR1N ENRFL SCRFFL EXFL

```

```
EXNOTRFL ENFL COMPLFL FUPFL /*SAFFL FSAFFL*/ FSAFBFL FSAFAFL SAFBFL SAFAFL  
FASFL PPROT1FL PPROT2FL PPROT3FL
```

```
PPROT4FL RANDFL TRTSDTM TRTSTMF TRTSDT TRTSDAY TRTEDTM TRTETMF TRTEDT  
TRTEDAY
```

```
TRT01P TRT01PN TRT01A TRT01AN RANDDT
```

```
;
```

```
RUN;
```

```
/*COMBINE ADSL DE DATA*/
```

```
PROC SORT DATA=ADSL; BY USUBJID ; RUN;
```

```
PROC SORT DATA=DE_1;BY USUBJID;RUN;
```

```
DATA DE_2;
```

```
    MERGE ADSL(IN=A) DE_1(IN=B);
```

```
    BY USUBJID;
```

```
    FORMAT ANYDEFL $2. APERIODC $10. TRTP TRTA $40.;
```

```
    LENGTH APERIOD ASTDAY AENDAY TRTPN TRTAN 8.;
```

```
    IF B THEN ANYDEFL="Y";
```

```
        ELSE ANYDEFL="N";
```

```
    IF NMISS(TRTSDT,ASTDT)=0 THEN DO;
```

```
        ASTDAY=ASTDT-TRTSDT+1;
```

```
    END;
```

```
    IF NMISS(TRTSDT,AENDT)=0 THEN DO;
```

```
        AENDAY=AENDT-TRTSDT+1;
```

```
    END;
```

```
    APERIOD=1;
```

```
    APERIODC="Period 1";
```

```
TRTP=STRIP(TRT01P);
```

```
TRTPN=TRT01PN;
```

```
TRTA=STRIP(TRT01A);
```

```
TRTAN=TRT01AN;
```

```
DROP TRT01;;
```

```
RUN;
```

```
/* GET SV DATES FOR VISITS 'DAY 6/DISCHARGE CONFINEMENT DAY 91/DISCHARGE AMBULATORY*/
```

```
DATA SV;
```

```
SET SDTM.SV;
```

```
FORMAT VISIT_ $10.SVSTDTC_ DATE9. ;
```

```
WHERE VISIT IN ("DAY 6/DISCHARGE CONFINEMENT","DAY 91/DISCHARGE  
AMBULATORY");
```

```
VISIT_=STRIP(SCAN(VISIT,1,"/"));
```

```
IF SVSTDTC NE "" THEN SVSTDTC_=INPUT(SVSTDTC,YYMMDD10.);
```

```
KEEP USUBJID VISIT SVSTDTC VISIT_ SVSTDTC_;
```

```
RUN;
```

```
PROC SORT DATA=SV ; BY USUBJID; RUN;
```

```
PROC TRANSPOSE DATA=SV OUT=SV1(DROP=_:);
```

```
BY USUBJID;
```

```
VAR SVSTDTC_;
```

```

        ID VISIT_;

RUN;

PROC FORMAT ;

VALUE $ASPR

    "Pre-Randomization Period" =1

    "Confinement Period"=2

    "Ambulatory Period"=3

    "Safety Follow-up Period"=4

;

RUN;

DATA ADDE;

    MERGE DE_2(IN=A) SV1(IN=B);

    BY USUBJID;

    FORMAT ASPERC $40.;

    LENGTH ASPER 8.;

    IF A;

    if trtpn in (97 98) then do;

        asperc= 'Pre-Randomization Period';

    end;

    IF .<AVISITN <101 THEN ASPERC="Pre-Randomization Period";

```

```

ELSE IF 101<=AVISITN<=106 THEN ASPERC="Confinement Period";

ELSE IF 106<AVISITN<=191 THEN ASPERC="Ambulatory Period";

ELSE IF AVISITN>191 THEN ASPERC="Safety Follow-up Period";

ASPER=INPUT(PUT(ASPERC,$ASPR.),BEST.);

DROP DAY_6 DAY_91 RANDDT;

FORMAT AEREL AENUM NDSN ASPER ASPERC AVISIT APERIODC TRTP TRTA ;

RUN;

%m_attrib_adam(dset=ADDE);

PROC SORT DATA=ADDE OUT=ADAM.ADDE(LABEL="Device Events Analysis Dataset");

BY USUBJID DETERM DEDECOD DECAT DESTDTC DESPID;

RUN;

proc compare base=adam.adde compare=qadam.qadde listall;

run;

%m_logchk;

```

