

Project Tree

- Program
- TBL\_14.1.3.1
- Program (2)
- Program (3)
- ADAE\_DER
- ADEX\_DER
- ADRS\_DER
- ADSL\_DER
- AE\_DER
- DS\_DER
- EG\_DER
- EX\_DER
- IE\_DER
- IS\_DER
- PE\_DER
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- VS

Servers

- Refresh
- Disconnect
- Stop
- Servers
- Private OLAP Servers

AE\_DER - Program

Save Run Stop Selected Server: Local Analyze Program Export Send To Create Changes Commit History Properties

```

1  /*
2  Developer: Chintan Vajani
3  Date: 07/14/2023
4  Domain: AE
5  Output: Derive desired output for AE domain
6  */
7
8
9  data prod(keep= STUDYID DOMAIN SUBJID USUBJID AETERM AESER AEACN AEACNOTH aescong aedisab aedsth aeshosp aelife aecontrt AETOXGR AESER AESTDTC AEENDTC AESTDY AEENDY);
10 set new.ae(encoding=any);
11 run;
12
13 data ae_1(keep= STUDYID DOMAIN SUBJID USUBJID AETERM AESER AEACN AEACNOTH aescong aedisab aedsth aeshosp aelife aecontrt AETOXGR AESER AESTDTC AEENDTC);
14   set raw.ae(encoding=any);
15   STUDYID =strip(studyid);
16   DOMAIN ="AE";
17   SUBJID =strip(subjid);
18   USUBJID =strip(studyid)||"-"||strip(subjid);
19   AETERM = strip(AETERM);
20   if aeser_c = 1 then aeser = "Y";
21   else aeser = "N";
22   AEACN = upcase(AEACN);
23   if aeacnoth_none = 0 then do;
24     if aeacnoth_cm = 1 then aeacnoth = "Concomitant Medication";
25     if aeacnoth_pr = 1 then aeacnoth = "Medical/Surgical Procedure";
26     if aeacnoth_oth = 1 then aeacnoth = "Other";
27   end;
28   count = sum(aecnoth = "true");
29   if count > 1 then aeacnoth ="Multiple";
30   drop count;
31
32   AEREL = upcase(AEREL);
33   AEOUT = upcase(AEOUT);
34   if aesercat_cabd = 1 then aescong = "Y";
35   else aescong = "N";
36   if aesercat_psdi = 1 then aedisab = "Y";
37   else aedisab = "N";
38   if aesercat_dth = 1 then aedsth= "Y";
39   else aedsth = "N";
40   if aesercat_iheh = 1 then aeshosp= "Y";
41   else aeshosp = "N";
42   if aesercat_lt = 1 then aelife= "Y";
43   else aelife = "N";
44   if aesercat_oth = 1 then aecontrt= "Y";
45   else aecontrt = "N";
46   if aeacnoth_cm = 1 then aecontrt= "Y";
47   else aecontrt = "N";

```

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## AE\_DER

## Program\*

Save Run Stop Selected Server: Local Analyze Program Export Send To Create Changes Commit History Properties

```
46 if aeacnoth_cm = 1 then aecontrt= "Y";
47 else aecontrt = "Y";
48 /*below AETOXGR copied from validation prog*/
49 IF UPCASE(AETOXGR) in ("MILD (GRADE 1)" "GRADE 1 (MILD)") THEN AETOXGR='1';
50 ELSE IF UPCASE(AETOXGR) in ("MODERATE (GRADE 2)" "GRADE 2 (MODERATE)") THEN AETOXGR='2';
51 ELSE IF UPCASE(AETOXGR) in ("SEVERE (GRADE 3)" "GRADE 3 (SEVERE)") THEN AETOXGR='3';
52 ELSE IF UPCASE(AETOXGR) in ("LIFE THREATENING (GRADE 4)" "LIFE-THREATENING (GRADE 4)"
53 "GRADE 4 (LIFE THREATENING)" "GRADE 4 (LIFE-THREATENING)") THEN AETOXGR='4';
54 ELSE IF UPCASE(AETOXGR) in ("DEATH (GRADE 5)" "GRADE 5 (DEATH)") THEN AETOXGR='5';
55 /*ELSE PUT "WARN" / USUBJID= AETERM= AETOXGR= AESTDAT=; */
56 AESTDTC = strip(AESTDAT);
57 AEENDTC = strip(AEENDAT);
58
59 if AETERM = "" then delete;
run;
60
61
62 proc sort data= ae_1 nodupkey; by _all_; run;
63 /*
64 data ep(keep= SUBJID STUDYID EPOCH);
65 set new.TA;
66 run;
67
68 proc sort data=ae_1;
69 by subjid;
70 run;
71
72 data ae_2;
73 merge ae_1(in=a) ep;
74 if a;
75 run;
76 */
77 data dt(keep= USUBJID RFSTDTC);
78 set new.dm;
79 if RFSTDTC = "" then delete;
80 run;
81
82
83 proc sort data=dt;
84 by usubjid;
85 run;
86
87 data ae_3;
88 merge ae_1(in=a) dt(in=b);
89 by usubjid;
90 if a;
91 if ^missing(AESTDTC) and ^missing(RFSTDTC) then
92 do;
```

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## Program\*

```

76  */
77  data dt (keep= USUBJID RFSTDTC);
78    set new.dm;
79    if RFSTDTC = "" then delete;
80  run;
81
82
83  proc sort data=dt;
84  by usubjid;
85  run;
86
87  data ae_3;
88    merge ae_1(in=a) dt(in=b);
89    by usubjid;
90    if a;
91      if ^missing(AESTDTC) and ^missing(RFSTDTC) then
92        do;
93          if input(strip(AESTDTC),IS8601DA.) >=input(strip(RFSTDTC),IS8601DA.) then
94              AESTDY =  input(strip(AESTDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.) +1;
95          else if input(strip(AESTDTC),IS8601DA.) < input(strip(RFSTDTC),IS8601DA.) then
96              AESTDY =  input(strip(AESTDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.);
97          end;
98        else AESTDY = .;
99
100     if ^missing(AEENDTC) and ^missing(RFSTDTC) then
101       do;
102         if input(strip(AEENDTC),IS8601DA.) >= input(strip(RFSTDTC),IS8601DA.) then
103             AEENDY =  input(strip(AEENDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.) +1;
104         else if input(strip(AEENDTC),IS8601DA.) < input(strip(RFSTDTC),IS8601DA.) then
105             AEENDY =  input(strip(AEENDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.);
106       end;
107
108
109     if first.USUBJID then
110       AESEQ= 1;
111     else AESEQ+1;
112  run;
113
114  proc sort data= ae_3 nodupkey; by _all_; run;
115  /*
116  data ae_4;
117    set ae_3;
118
119    if ^missing(AESTDTC) and ^missing(RFSTDTC) then
120      do;
121        if input(strip(AESTDTC),IS8601DA.) >=input(strip(RFSTDTC),IS8601DA.) then
122            AESTDY =  input(strip(AESTDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.) +1;

```

ADS\_DER - SAS Enterprise Guide

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Project Tree AE\_DER

Program

Save Run Stop Selected Server: Local Analyze Program Export Send To Create Changes Commit History Properties

```
112 run;
113
114 proc sort data= ae_3 nodupkey; by _all_; run;
115 /*
116 data ae_4;
117   set ae_3;
118
119   if ^missing(AESTDTC) and ^missing(RFSTDTC) then
120     do;
121       if input(strip(AESTDTC),IS8601DA.) >=input(strip(RFSTDTC),IS8601DA.) then
122         AESTDY = input(strip(AESTDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.) +1;
123       else if input(strip(AESTDTC),IS8601DA.) < input(strip(RFSTDTC),IS8601DA.) then
124         AESTDY = input(strip(AESTDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.);
125     end;
126   else AESTDY = .;
127
128   if ^missing(AEENDTC) and ^missing(RFSTDTC) then
129     do;
130       if input(strip(AEENDTC),IS8601DA.) >= input(strip(RFSTDTC),IS8601DA.) then
131         AEENDY = input(strip(AEENDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.) +1;
132       else if input(strip(AEENDTC),IS8601DA.) < input(strip(RFSTDTC),IS8601DA.) then
133         AEENDY = input(strip(AEENDTC),IS8601DA.) - input(strip(RFSTDTC),IS8601DA.);
134     end;
135
136
137   if first.USUBJID then
138     AESEQ= 1;
139   else AESEQ+1;
140 run;
141
142
143 proc sort data= ae_4 nodupkey; by _all_; run;
144 /*
145
146 proc sort data=ae_3;
147 by usubjid;
148 run;
149
150 proc compare base= prod compare=ae_3(keep= STUDYID DOMAIN SUBJID USUBJID AETERM AESER AEACN AEACNOTH aescong aesdisab aesdth aeshosp aeslife aesmie aecontrt AETOXGR AESER AESTDTC AEE
run;
151
152
153
154
```