

## Project Tree

## DS\_DER

```
Program
TBL_14.1.3.1
Program (2)
TBL_14.1.1.3
Program (3)
ADAE_DER
ADEX_DER
ADRS_DER
ADSL_DER
AE_DER
DS_DER
EG_DER
EX_DER
IE_DER
IS_DER
PE_DER
SV_DER
VS

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: DS
5  Output: Derive desired output for DS domain
6  */
7
8
9  *Since input dataset have different variable, it is difficult to use them as-is
10 so, we will prepare respective dataset only with required variables;
11
12 data si(keep=Subjid DSTERM DSDECOD DSCAT DSSCAT DSSTDTC ICVERSN);
13   set raw.si(encoding="any");
14
15   if row_ilb eq 0 and rficdat ne '';
16   length SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC ICVERSN $200. ;
17   DSTERM="INFORMED CONSENT OBTAINED";
18   DSDECOD="INFORMED CONSENT OBTAINED";
19   DSCAT="PROTOCOL MILESTONE";
20   DSSCAT="INFORMED CONSENT";
21   DSSTDTC=RFICDAT;
22   ICVERSN=RFICPV;
23 run;
24
25 data si_2(keep= Subjid DSTERM DSDECOD DSCAT DSSCAT DSSTDTC ICVERSN);
26   set raw.si(encoding=any);
27
28   if row_ilb eq 0 and rficdat_recon ne '';
29   length SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC ICVERSN $200. ;
30   DSTERM="INFORMED CONSENT OBTAINED";
31   DSDECOD="INFORMED CONSENT OBTAINED";
32   DSCAT="PROTOCOL MILESTONE";
33   DSSCAT="RE INFORMED CONSENT";
34   DSSTDTC=RFICDAT_RECON;
35   ICVERSN=RFICPV_RECON;
36 run;
37
38 data dses(rename=(dsterm = dsterm_1));
39   set raw.dses(encoding=any);
40 run;
41
42 data dses2;
43   set dses;
44
45   if row_ilb eq 0 and DSDECOD3 ne '';
46   length SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC $200.;
```

## Servers

Refresh Disconnect Stop

Servers  
Private OLAP Servers

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## Servers

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## DS\_DER

Program\*

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

```

40 run;
41
42 data dses2;
43   set dses;
44
45   if row_ilb eq 0 and DSDECOD3 ne '';
46   length SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC $200.;
47
48   if DSDECOD3 ne 'Other' then
49     DSTERM = strip(upcase(DSDECOD3));
50   else DSTERM = strip(upcase(dterm_1));
51   DSDECOD=strip(DSDECOD3);
52   DSCAT="DISPOSITION EVENT";
53   DSSCAT="END OF STUDY";
54   DSSTDTC=DSSTDAT_DSET;
55   keep Subjid DSTERM DSDECOD DSCAT DSSCAT DSSTDTC;
56
57 run;
58
59 data dset(rename =(dterm = dterm_1));
60   set raw.dset(encoding="any");
61 run;
62
63 data dset2(keep= Subjid DSTERM DSDECOD DSCAT DSSCAT DSSTDTC);
64   set dset;
65
66   if row_ilb eq 0 and DSDECOD2 ne '';
67   length SUBJID DSCAT DSSCAT DSTERM DSDECOD $200.;
68
69   if DSDECOD2 ne 'Other' then
70     DSTERM = strip(upcase(DSDECOD2));
71   else DSTERM = strip(upcase(dterm_1));
72   DSDECOD=strip(DSDECOD2);
73   DSCAT="DISPOSITION EVENT";
74   DSSCAT="END OF TREATMENT";
75   DSSTDTC=LSDOSDAT;
76
77 run;
78
79 data rand(keep=SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC);
80   set raw.rand(encoding="any");
81
82   if row_ilb eq 0 and RANDYN ='Yes';
83   length SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC $200.;
84   DSTERM="RANDOMIZED";
85   DSDECOD="RANDOMIZED";
86   DSCAT="PROTOCOL MILESTONE";
87   DSSCAT="RANDOMIZATION";

```

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## DS\_DER

Program\*

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

```

76 run;
77
78 data rand(keep=SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC);
    set raw.rand(encoding="any");
79
80
81 if row_ilb eq 0 and RANDYN = 'Yes';
82 length SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC $200.;
83 DSTERM="RANDOMIZED";
84 DSDECOD="RANDOMIZED";
85 DSCAT="PROTOCOL MILESTONE";
86 DSSCAT="RANDOMIZATION";
87 DSSTDTC=DSSTDAT;
88 run;
89
90 data scrnfl(keep=SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC);
91     set raw.rand(encoding="any");
92     if row_ilb eq 0 and RANDYN = 'No';
93     length SUBJID DSCAT DSSCAT DSTERM DSDECOD DSSTDTC $200.;
94     if DSDECOD_SF ne 'Other' then
95         DSTERM = strip(upcase(DSDECOD_SF));
96     else DSTERM = strip(upcase(DSDECOD_SFOS));
97     DSDECOD=strip(DSDECOD_SF);
98     DSCAT="DISPOSITION EVENT";
99     DSSCAT="SCREEN FAILURE";
100    DSSTDTC=DSSTDAT_SF;
101 run;
102
103 data ds;
104     set si si_2 dses2 dset2 rand scrnfl;
105 run;
106
107 proc sort data=ds;
108     by subjid;
109 run;
110
111 data dm;
112     set sdtm.dm;
113     keep subjid rfstdtc studyid usubjid;
114 run;
115
116 proc sort data=dm;
117     by subjid;
118 run;
119
120 data ds_fin;
121     merge dm(in=a) ds(in=b);
122     by subjid;

```



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

```
124 if a and b;
125   %studyday(dy=dsstdy,indt=dsstdtc,rfdt=rfstdtc);
126 run;
127
128 data ds_final;
129   set ds_fin;
130   DOMAIN ="DS";
131
132 if substr(subjid,5,1)='l' then
133   usubjid = catx("-",studyid,strip(substr(subjid,1,4))||"0"||strip(substr(subjid,6,
134 else usubjid = catx("-",studyid,subjid);
135 dsdecod=upcase(dsdecod);
136
137 if DSDECOD in ("ADVERSE EVENT (SPECIFY AE #)", "AE OR SAE") then
138   DSDECOD="ADVERSE EVENT";
139 else if DSDECOD in ("ADMINISTRATIVE REASON BY SPONSOR", "SPONSOR DECISION") then
140   DSDECOD="SPONSOR DECISION";
141 else if DSDECOD in ("PROGRESSIVE DISEASE", "DISEASE PROGRESSION") then
142   DSDECOD="PROGRESSIVE DISEASE";
143 else if DSDECOD in ("LOST TO FOLLOW-UP (PROVIDE DATE OF LAST CONTACT BELOW)") then
144   DSDECOD="LOST TO FOLLOW-UP";
145 else if DSDECOD in ("WITHDRAWAL OF CONSENT", "WITHDREW CONSENT") then
146   DSDECOD="WITHDRAWAL OF CONSENT";
147 run;
148
149 proc sort data= ds_final;
150   by usubjid dsterm dsstdtc;
151 run;
152
153 proc sort data=sdtm.ds out=prod;
154   by usubjid dsterm dsstdtc;
155 run;
156
157 data prod;
158   set new.ds(encoding=any);
159 run;
160
161 proc sort data= prod;
162   by usubjid dsterm dsstdtc;
163 run;
164
165 proc compare base=prod compare=ds_final;
166   id usubjid;
167 run;
```