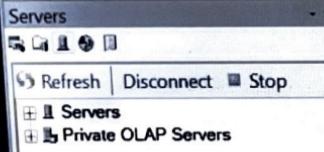


IS_DER
PE_DER
SV_DER
VS



```
10 %supp(dom=ex,out=ex);
11
12 %supp(dom=ec,out=ec);
13
14
15
16 data ecl;
17 set ec;
18 exlnkid=eclnkid;
19 ecrecord = "Y";
20 keep usubjid subjid exlnkid ecdoze ecdosu ecrecord ecstdtc;
21 run;
22
23 proc sort data= ecl;
24 by usubjid subjid exlnkid;
25 run;
26
27 proc sort data= ex;
28 by usubjid subjid exlnkid;
29 run;
30
31 data adexl;
32 merge ex(in=a) ecl(in=b);
33 by usubjid subjid exlnkid;
34 if a;
35 run;
36
37 data adsll;
38 set adam.adsl(encoding= "any");
39 TRTP = TRT01P;
40 TRTPN = TRT01PN;
41 TRTA = TRT01A;
42 TRTAN = TRT01AN;
43 run;
44
45 proc sort data=adexl;
46 by studyid usubjid subjid;
```

Project Tree

- 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
- EQ_DER
- EX_DER
- IE_DER
- IS_DER
- PE_DER
- SV_DER
- VS

Servers

Refresh Disconnect Stop

- Servers
- Private OLAP Servers

ADEX_DER

Program*

```
22  
23  proc sort data= ecl;  
24    by usubjid subjid exlnkid;  
25    run;  
26  
27  proc sort data= ex;  
28    by usubjid subjid exlnkid;  
29    run;  
30  
31  data adex1;  
32    merge ex(in=a) ecl(in=b);  
33    by usubjid subjid exlnkid;  
34    if a;  
35    run;  
36  
37  data ads11;  
38    set adam.adsl(encoding= "any");  
39    TRTP = TRT01P;  
40    TRTPN = TRT01PN;  
41    TRTA = TRT01A;  
42    TRTAN = TRT01AN;  
43    run;  
44  
45  proc sort data=adex1;  
46    by studyid usubjid subjid;  
47    run;  
48  
49  proc sort data=ads11;  
50    by studyid usubjid subjid;  
51    run;  
52  
53  data adex2;  
54    merge adex1(in=a) ads11(in=b);  
55    by studyid usubjid subjid;  
56    if a;  
57    run;  
58  
59  data adex3;  
60    set adex2;  
61  
62    if exstdtc ne "" and length(exstdtc) >= 10 then astdt = input(substr(exstdtc,1,10),ymmmdd10.);  
63    if exstdtc ne "" and length(exstdtc) = 16 then asttm = input(substr(exstdtc,12,5),time5.);  
64    if exstdtc ne "" and length(exstdtc) = 19 then asttm = input(substr(exstdtc,12,8),time8.);  
65    if astdt ^= . & asttm ^= . then astdtm = (astdt*24*60*60) + asttm;  
66    else if astdt ^= . then astdtm = dhms(astdt,0,0,0);  
67    if exendtc ne "" and length(exendtc) >= 10 then aendt = input(substr(exendtc,1,10),ymmmdd10.);  
68    if exendtc ne "" and length(exendtc) = 16 then aentm = input(substr(exendtc,12,5),time5.);
```

File Edit View Tasks Favorites Program Tools Help

Process Flow

Project Tree

- 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

Servers

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

ADEX_DER

Program*

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

```

52
53 data adex2;
54 merge adex1(in=a) ads11(in=b);
55 by studyid usubjid subjid;
56 if a;
57 run;
58
59 data adex3;
60 set adex2;
61
62 if exstdtc ne "" and length(exstdtc) >= 10 then astdt = input(substr(exstdtc,1,10),ymmmdd10.);
63 if exstdtc ne "" and length(exstdtc) = 16 then asttm = input(substr(exstdtc,12,5),time5.);
64 if exstdtc ne "" and length(exstdtc) = 19 then asttm = input(substr(exstdtc,12,8),time8.);
65 if astdt ^= . & asttm ^= . then astdtm = (astdt*24*60*60) + asttm;
66 else if astdt ^= . then astdtm = dhms(astdt,0,0,0);
67 if exendtc ne "" and length(exendtc) >= 10 then aendt = input(substr(exendtc,1,10),ymmmdd10.);
68 if exendtc ne "" and length(exendtc) = 16 then aentm = input(substr(exendtc,12,5),time5.);
69 if exendtc ne "" and length(exendtc) = 19 then aentm = input(substr(exendtc,12,8),time8.);
70 if aendt ^= . & aentm ^= . then aendtm = (aendt*24*60*60) + aentm;
71 else if aendt ^= . then aendtm = dhms(aendt,0,0,0);
72 if astdt ne . and trtsdt ne . then astdy=astdt-trtsdt+1;
73 if aendt ne . and trtsdt ne . then aendy=aendt-trtsdt+1;
74 if visit ne "" then grpvisn=input(substr(visit,7,2),best.);
75 else grpvisn=9999;
76 grpvis=substr(visit,1,8);
77 format astdt aendt date9. asttm aentm time8. astdtm aendtm datetime20. ;
78 run;
79 proc sort data=adex3; by studyid usubjid subjid;run;
80
81 proc sql ;
82 create table adex4 as select count(EXIVINTR) as aval, studyid,usubjid, subjid,
83 "Infusion Interruption" as param,"INFINT" as paramcd, 2 as paramn, . as avisitn,"" as avisit, extrt
84 from adex3 a
85 where EXTRT ne "CAPECITABINE" and EXIVINTR eq "Y"
86 group by studyid, usubjid, subjid, extrt,EXIVINTR;
87 quit;
88
89 proc sql ;
90 create table adex5 as select count(usubjid) as aval, studyid,usubjid, subjid,
91 "Number of Doses Administered" as param,"DOSENBR" as paramcd, 4 as paramn, . as avisitn,"" as avisit, extrt
92 from adex3
93 where ecdoze ne .
94 group by studyid, usubjid, subjid, extrt;
95 quit;
96
97 proc sql;
98 create table adex6 as select studyid, usubjid, subjid , (trtdur)/30.4375 as aval,

```

Project Tree

- 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

Servers

[Refresh](#) [Disconnect](#) [Stop](#)

Servers

Private OLAP Servers

ADEX_DER

Program*

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

```

79  proc sort data=adex3; by studyid usubjid subjid;run;
80
81  proc sql ;
82  create table adex4 as select count(EXIVINTR) as aval, studyid,usubjid, subjid,
83  "Infusion Interruption" as param,"INFINT" as paramcd, 2 as paramn, . as avisitn,"" as avisit, extrt
84  from adex3 a
85  where EXTRT ne "CAPECITABINE" and EXIVINTR eq "Y"
86  group by studyid, usubjid, subjid, extrt,EXIVINTR;
87  quit;
88
89  proc sql ;
90  create table adex5 as select count(usubjid) as aval, studyid,usubjid, subjid,
91  "Number of Doses Administered" as param,"DOSENBR" as paramcd, 4 as paramn, . as avisitn,"" as avisit, extrt
92  from adex3
93  where ecdoze ne .
94  group by studyid, usubjid, subjid, extrt;
95  quit;
96
97  proc sql;
98  create table adex6 as select studyid, usubjid, subjid , (trtdur)/30.4375 as aval,
99  "Duration of treatment (months)" as param, "TREATDUR" as paramcd, 6 as paramn, . as avisitn, "" as visit
100 from adsll
101 where trtdur ne .;
102 quit;
103
104 proc sort data=adex3 out= adex7;
105 where exreduc = "Y";
106 by studyid usubjid subjid;
107 run;
108
109 data adex7_;
110 set adex7;
111 by studyid usubjid subjid exstdtc;
112 if first.subjid then timered = ((astdt-trtsdt+1)/30.4375);
113 if first.subjid;
114 run;
115
116 proc sql;
117 create table adex8 as
118 select studyid, usubjid, subjid, timered as aval,
119 "Time to first dose reduction (months)" as param, "TIMERED1" as paramcd, 7 as paramn, . as avisitn, "" as avisit, extrt
120 from adex7_
121 order by studyid, usubjid, subjid, extrt;
122 quit;
123
124 proc sql ;
125 create table adex9 as select studyid,usubjid, subjid, count(exreduc) as aval,

```

SAS_DER - SAS Enterprise Guide

Edit View Tasks Favorites Program Tools Help Process Flow

Project Tree

ADEX_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

Users

Refresh Disconnect Stop

Servers

Private OLAP Servers

ADEX_DER

Program

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

```
121 order by studyid, usubjid, subjid, extrt;
122 quit;
123
124 proc sql ;
125 create table adex9 as select studyid,usubjid, subjid, count(exreduc) as aval,
126 "Number of Dose Reductions" as param,"DOSEREDS" as paramcd,11 as paramn, . as avisitn,"" as avisit, extrt
127 from adex7_
128 where EXREDUC='Y'
129 group by usubjid, subjid, extrt;
130 quit;
131
132 data adex10;
133 length paramcd $8. param $200.;
134 set adex3;
135 param = "Planned Dose (unit)";
136 paramcd = "PDOSEU";
137 paramn = 17;
138 if exdose ne . and exdosu ne "" then avalc = strip(put(exdose,best.))||" ("||strip(exdosu)||")";
139 else if exdose ne . then avalc = strip(put(exdose,best.));
140 avisit = upcase(visit);
141 avisitn = visitnum;
142 run;
143 proc sort data=adex10; by studyid usubjid subjid ; run;
144
145 data adex11;
146 length paramcd $8. param $200.;
147 set adex3;
148 if ecrecord="Y";
149 param = "Delivered Dose (mg)";
150 paramcd = "DDOSEMG";
151 paramn = 16;
152 if exdose ne . then aval = ecddose;
153 avisit = upcase(visit);
154 avisitn = visitnum;
155 run;
156 proc sort data=adex11; by studyid usubjid subjid ; run;
157
158 data vsl;
159 set sdtm.vs;
160 where vstestcd = "WEIGHT";
161 vsdt = input(vsdtc,is8601da.);
162 format vsdt is8601da.;
163 newdt = vsdt;
164 weight = VSSTRESN;
165 run;
166
167 proc sort data=vsl; by studyid usubjid subjid ; run;
```

Ready

1 64°F Mostly cloudy

Search

Line 4, Col 44

Project Tree ADEX_DER

Program

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

```
163 newdt = vsdt;
164 weight = VSSTRESN;
165 run;
166
167 proc sort data=vsl; by studyid usubjid subjid ; run;
168
169 data ecl;
170 set sdm.ec;
171 where ectrt = 'SACITUZUMAB GOVITECAN';
172 ecdt = input(ecstdtc,is8601da.);
173 format ecdt is8601da.;
174 newdt = ecdt;
175 ttdose = ecdoze;
176 run;
177 proc sort data=ecl; by studyid usubjid subjid newdt; run;
178
179 data ecvs;
180 set vsl ecl;
181 by studyid usubjid subjid newdt;
182 retain nwt;
183 if weight ne . then nwt=weight ;
184 if cmmiss(ttdose,nwt)= 0 then cumdose = ttdose / nwt;
185 else cumdose = ttdose;
186 if ecdt = . then delete;
187 run;
188 proc sort data=ecvs; by studyid usubjid subjid newdt;
189 run;
190
191 proc sql;
192 create table adex12 as select
193 studyid, usubjid, subjid,sum(cumdose) as aval, "Cumulative dosage (mg/kg)" as param, "CUMUDOSE" as paramcd,
194 8 as paramn, "" as avisit, . as avisitn
195 from ecvs
196 group by studyid,usubjid, subjid;
197 quit;
198
199 data ex4;
200 set sdm.ex(where=(index(extrt,'SACITUZUMAB GOVITECAN')>0));
201 by studyid usubjid subjid;
202 run;
203
204 proc sql;
205 create table adex13 as select studyid,usubjid, subjid,
206 sum(EXDOSE) as aval, 'Total assigned dosage (mg/kg)' as param, 'TOTASDOS' as paramcd, 9 as paramn,extrt
207 from ex4
208 group by studyid, usubjid, subjid, visit, extrt;
209 quit;
```



Project Tree

- 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

Servers

- Refresh
- Disconnect
- Stop

Servers

- Servers
- Private OLAP Servers

ADEX_DER

Program

```
187 run;
188 proc sort data=ecvs; by studyid usubjid subjid newdt;
189 run;
190
191 proc sql;
192 create table adex12 as select
193 studyid, usubjid, subjid,sum(cumdose) as aval, "Cumulative dosage (mg/kg)" as param, "CUMUDOSE" as paramcd,
194 8 as paramn, "" as avisit, . as avisitn
195 from ecv5
196 group by studyid,usubjid, subjid;
197 quit;
198
199 data ex4;
200 set sdmr.ex(where=(index(extrt,'SACITUZUMAB GOVITECAN')>0));
201 by studyid usubjid subjid;
202 run;
203
204 proc sql;
205 create table adex13 as select studyid,usubjid, subjid,
206 sum(EXDOSE) as aval, 'Total assigned dosage (mg/kg)' as param, 'TOTASDOS' as paramcd, 9 as paramn,extrt
207 from ex4
208 group by studyid, usubjid, subjid, visit, extrt;
209 quit;
210
211 data adex14;
212 length param paramcd $200;
213 merge adex13(rename=(aval=TOTASDOS)) adex12(rename=(aval=CUMUDOSE));
214 by usubjid subjid;
215 if cmmiss(CUMUDOSE,TOTASDOS)=0 then aval=(CUMUDOSE/TOTASDOS)*100;
216 param = "Relative dose intensity (%)";
217 paramcd = "RELDOSIN";
218 paramn = 10;
219 keep usubjid subjid extrt PARAM PARAMCD paramn aval ;
220 if aval ne .;
221 run;
222
223 data adex15;
224 length paramcd $8. param avisit $200.;
225 set adex4 adex5 adex6 adex8 adex9 adex10 adex11 adex12 adex13 adex14;
226 run;
227 proc sort data=adex15; by studyid usubjid subjid; run;
228
229
230 data adex16;
231 merge adex15(in=a) ads11(in=b);
232 by studyid usubjid subjid;
233 if a;
```

Project Tree

- 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

Servers

Refresh Disconnect Stop

Servers
Private OLAP Servers

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

```

208 group by studyid, usubjid, subjid, visit, extrt;
209 quit;
210
211 data adex14;
212 length param paramcd $200;
213 merge adex13(rename=(aval=TOTASDOS)) adex12(rename=(aval=CUMUDOSE));
214 by usubjid subjid;
215 if cmiss(CUMUDOSE,TOTASDOS)=0 then aval=(CUMUDOSE/TOTASDOS)*100;
216 param = "Relative dose intensity (%)";
217 paramcd = "RELDOSIN";
218 paramn = 10;
219 keep usubjid subjid extrt PARAM PARAMCD paramn aval ;
220 if aval ne .;
221 run;
222
223 data adex15;
224 length paramcd $8. param avisit $200.;
225 set adex4 adex5 adex6 adex8 adex9 adex10 adex11 adex12 adex13 adex14;
226 run;
227 proc sort data=adex15; by studyid usubjid subjid; run;
228
229
230 data adex16;
231 merge adex15(in=a) adsll(in=b);
232 by studyid usubjid subjid;
233 if a;
234 run;
235
236 proc sort data=adex16; by studyid usubjid subjid; run;
237
238 data adex17;
239 length paramcd $8. param avisit avalcatl $200.;
240 set adex16;
241
242 if paramcd = "TREATDUR" and aval >=6 then AVALCAT1 = '>= 6 months';
243 if PARAMCD = "TREATDUR" and AVAL >=12 then AVALCAT2='>= 12 months';
244 if PARAMCD="TREATDUR" and AVAL >=24 then AVALCAT3='>= 24 months';
245 if PARAMCD="TREATDUR" and AVAL >=36 then AVALCAT4='>= 36 months';
246
247 if PARAMCD="RELDOSIN" and AVAL < 70 then AVALCAT1='<70%';
248 if PARAMCD="RELDOSIN" and AVAL > 70 and AVAL < 90 then AVALCAT1='70% to <90%';
249 if PARAMCD="RELDOSIN" and AVAL > 90 and AVAL < 110 then AVALCAT1='90% to <110%';
250 if PARAMCD="RELDOSIN" and AVAL >= 110 then AVALCAT1='>=110%';
251
252 run;
253
254 proc sort data=adex17; by studyid usubjid subjid paramn avalcatl avisitn; run;

```

Project Tree

- Program
- TBL_14.1.3.1
- Program (2)
- TBL_14.1.3
- 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

Servers

- Refresh Disconnect Stop
- Servers
- Private OLAP Servers

ADEX_DER

Program*

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

```
439 EXINTHR
440 EXINTMI
441 EXDOSMIS
442 EXMISNUM
443 EXDOSMIR
444 EXDSMIAE
445 EXDSMIOS
446 );
447 by studyid usubjid subjid;
448 run;
449
450 %proc compare base=prod1 compare=adexall listall warnings; run;
451
452
453
454 %proc sql;
455 create table PDOSEU as select * from adexall
456 where paramcd = 'PDOSEU'
457 Order by studyid, usubjid,subjid;
458 quit;
459
460 %proc sql;
461 create table PDOSEU_P as select * from prod1
462 where paramcd = 'PDOSEU'
463 Order by studyid, usubjid,subjid;
464 quit;
465
466 %proc sql;
467 create table INF as select * from adexall
468 where paramcd = 'INFINT'
469 Order by studyid, usubjid,subjid;
470 quit;
471
472 %proc sql;
473 create table INF_P as select * from prod1
474 where paramcd = 'INFINT'
475 Order by studyid, usubjid,subjid;
476 quit;
477
478 %proc sql;
479 create table DOSE as select * from adexall
480 where paramcd = 'DOSENBR'
481 Order by studyid, usubjid,subjid;
482 quit;
483
484 %proc sql;
485 create table DOSE_P as select * from prod1
```

Project Tree

Servers

Refresh Disconnect Stop
Servers
Private OLAP Servers

ADEX_DER

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

```
517 Order by studyid, usubjid,subjid;
518 quit;
519
520 proc sql;
521 create table CUM_P as select * from prod1
522 where paramcd = 'CUMUDOSE'
523 Order by studyid, usubjid,subjid;
524 quit;
525
526 proc sql;
527 create table DOSERD as select * from adexall
528 where paramcd = 'DOSEREDS'
529 Order by studyid, usubjid,subjid;
530 quit;
531
532 proc sql;
533 create table DOSERD_P as select * from prod1
534 where paramcd = 'DOSEREDS'
535 Order by studyid, usubjid,subjid;
536 quit;
537
538 proc sql;
539 create table DDMG as select * from adexall
540 where paramcd = 'DDOSEMG'
541 Order by studyid, usubjid,subjid;
542 quit;
543
544 proc sql;
545 create table DDMG_P as select * from prod1
546 where paramcd = 'DDOSEMG'
547 Order by studyid, usubjid,subjid;
548 quit;
549
550 proc compare base=INF_P compare=INF listall warnings; run;
551
552 proc compare base=DOSE_P compare=DOSE listall warnings; run;
553
554 proc compare base=TRT_P compare=TRT listall warnings; run;
555
556 proc compare base=TIM_P compare=TIM listall warnings; run;
557
558 proc compare base=CUM_P compare=CUM listall warnings; run;
559
560 proc compare base=DOSERD_P compare=DOSERD listall warnings; run;
561
562 proc compare base=DDMG_P compare=DDMG listall warnings; run;
563
```