Obs	id	clinic	status	time	prison	dose	time_yrs
1	1	1	1	428	0	50	1.17180
2	132	2	0	633	0	70	1.73306
3	2	1	1	275	1	55	0.75291
4	133	2	1	661	0	40	1.80972
5	3	1	1	262	0	55	0.71732

Comparison of survival by clinic

Summary of the Number of Censored and Uncensored Values							
Stratum clinic Total Failed Censored Censored							
1	1	163	122	41	25.15		
2	2	75	28	47	62.67		
Total		238	150	88	36.97		

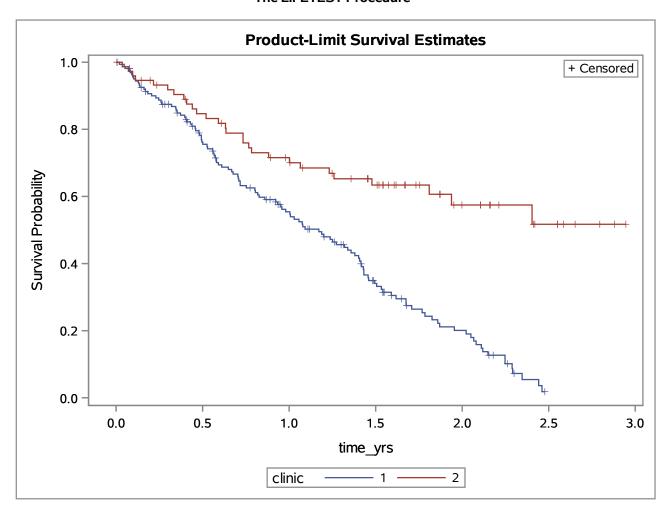
Testing Homogeneity of Survival Curves for time_yrs over Strata

Rank Statistics						
clinic Log-Rank Wilcoxo						
1	31.092	2929.0				
2	-31.092	-2929.0				

Covariance Matrix for the Log-Rank Statistics						
clinic	clinic 1 2					
1	34.6579	-34.6579				
2	-34.6579	34.6579				

Covariance Matrix for the Wilcoxon Statistics					
clinic	1 2				
1	737868	-737868			
2	-737868	737868			

Test of Equality over Strata						
Test Chi-Square DF Chi-Squar						
Log-Rank	27.8927	1	<.0001			
Wilcoxon	11.6268	1	0.0007			
-2Log(LR)	26.0236	1	<.0001			



Summary of the Number of Censored and Uncensored Values							
Stratum prison Total Failed Censored Censored							
1	0	127	81	46	36.22		
2	1	111	69	42	37.84		
Total		238	150	88	36.97		

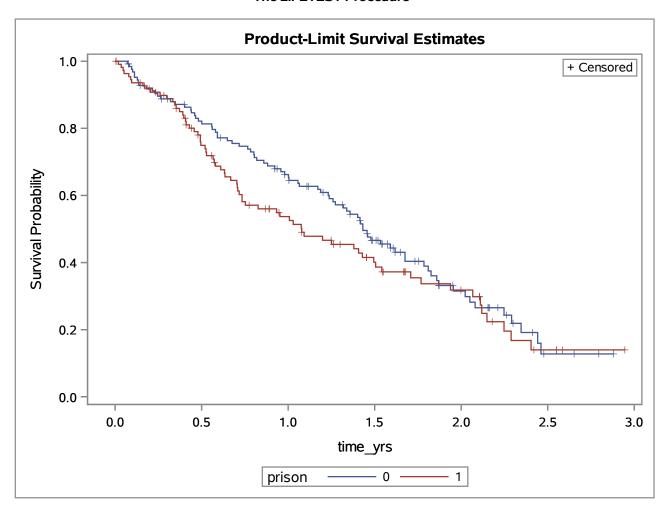
Testing Homogeneity of Survival Curves for time_yrs over Strata

Rank Statistics						
prison Log-Rank Wilcoxor						
0	-6.7504	-1434.0				
1	6.7504	1434.0				

Covariance Matrix for the Log-Rank Statistics						
prison	0 1					
0	36.1791	-36.1791				
1	-36.1791	36.1791				

Covariance Matrix for the Wilcoxon Statistics							
prison	son 0 1						
0	803374 -80337						
1	-803374	803374					

Test of Equality over Strata						
Test Chi-Square DF Chi-Square						
Log-Rank	1.2595	1	0.2617			
Wilcoxon	2.5596	1	0.1096			
-2Log(LR)	1.0666	1	0.3017			



Comparison of survival by dose groups

Summary of the Number of Censored and Uncensored Values								
Stratum dose Total Failed Censored Percent Censored								
1	<40	5	5	0	0.00			
2	45	40	25	15	37.50			
3	55	48	35	13	27.08			
4	65	74	54	20	27.03			
5	>=70	71	31	40	56.34			
Total		238	150	88	36.97			

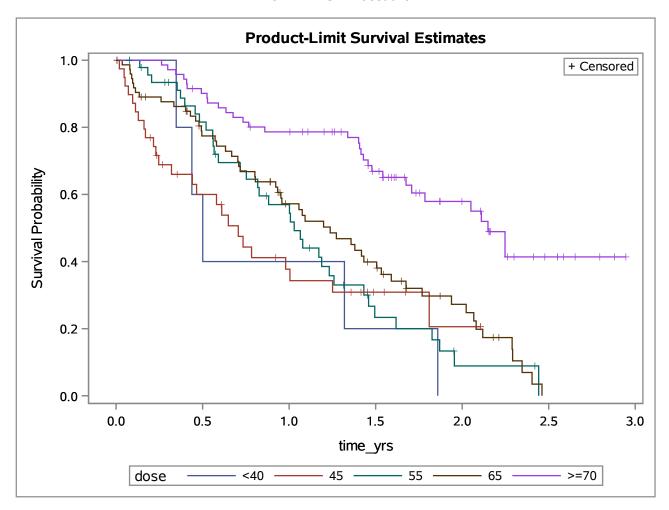
Testing Homogeneity of Survival Curves for time_yrs over Strata

Rank Statistics						
dose Log-Rank Wilcoxon						
<40	2.703	338.0				
45	10.506	2243.0				
55	10.742	937.0				
65	10.036	690.0				
>=70	-33.985	-4208.0				

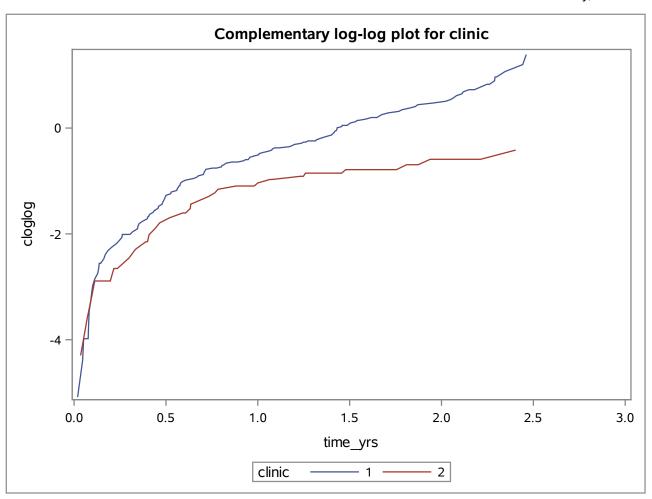
Covariance Matrix for the Log-Rank Statistics								
dose	<40 45 55 65 >=							
<40	2.2528	-0.2513	-0.4010	-0.6859	-0.9146			
45	-0.2513	12.8609	-2.5441	-4.3485	-5.7169			
55	-0.4010	-2.5441	20.0255	-7.2003	-9.8802			
65	-0.6859	-4.3485	-7.2003	30.8965	-18.6618			
>=70	-0.9146	-5.7169	-9.8802	-18.6618	35.1735			

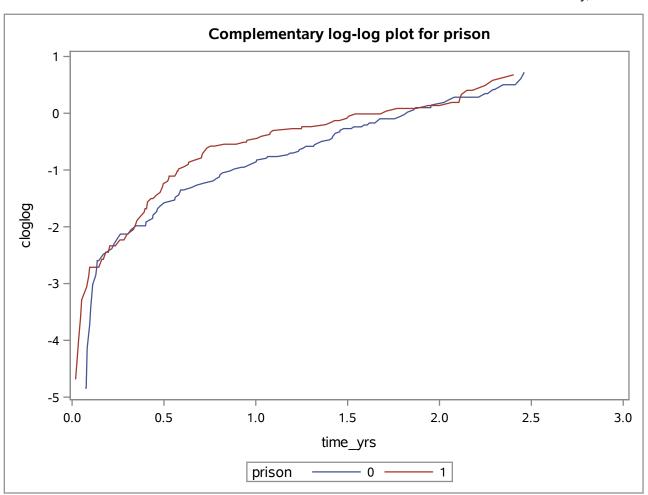
Covariance Matrix for the Wilcoxon Statistics								
dose	<40 45 55 65 >=7							
<40	60725	-7793	-11939	-18848	-22144			
45	-7793	351214	-77667	-122602	-143152			
55	-11939	-77667	503823	-190109	-224109			
65	-18848	-122602	-190109	695618	-364059			
>=70	-22144	-143152	-224109	-364059	753463			

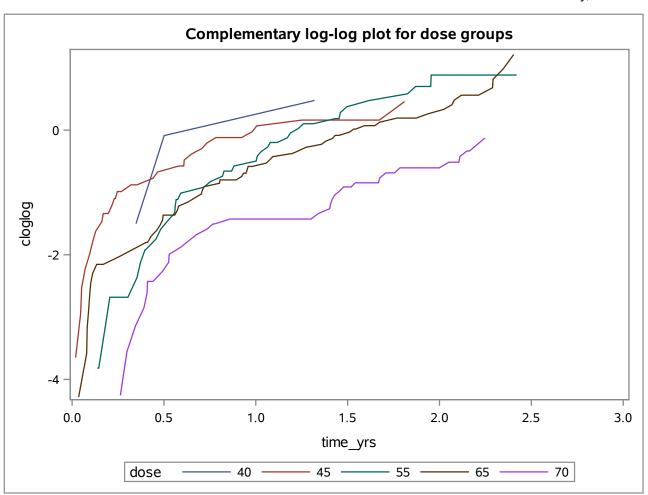
Test of Equality over Strata						
Test Chi-Square DF Chi-Square						
Log-Rank	37.5522	4	<.0001			
Wilcoxon	31.4088	4	<.0001			
-2Log(LR)	30.4127	4	<.0001			



Obs	dose	time_yrs	_CENSOR_	SURVIVAL	SDF_LCL	SDF_UCL	STRATUM
1	40	0.00000		1.0	1.00000	1.00000	1
2	40	0.34771	0	0.8	0.20381	0.96918	1
3	40	0.43806	0	0.6	0.12573	0.88176	1
4	40	0.50103	0	0.4	0.05198	0.75282	1
5	40	1.31964	0	0.2	0.00837	0.58185	1







The PHREG Procedure

Model Information				
Data Set	SURVIVAL.HEROIN			
Dependent Variable	time_yrs			
Censoring Variable	status			
Censoring Value(s)	0			
Ties Handling	BRESLOW			

Number of Observations Read	238
Number of Observations Used	

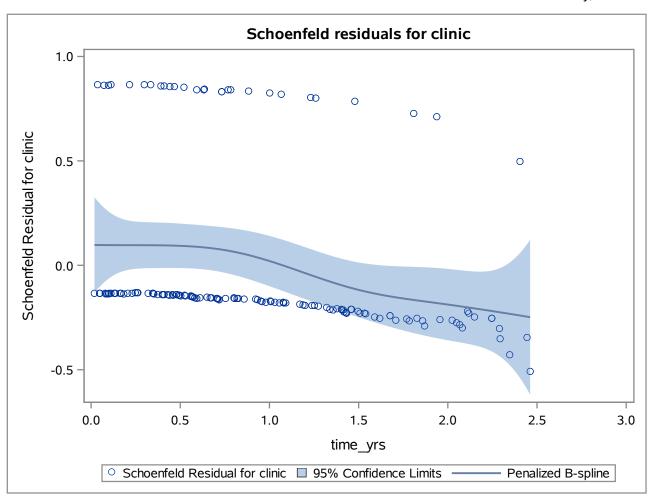
Summary of the Number of Event and Censored Values				
Total	Event	Censored	Percent Censored	
238	150	88	36.97	

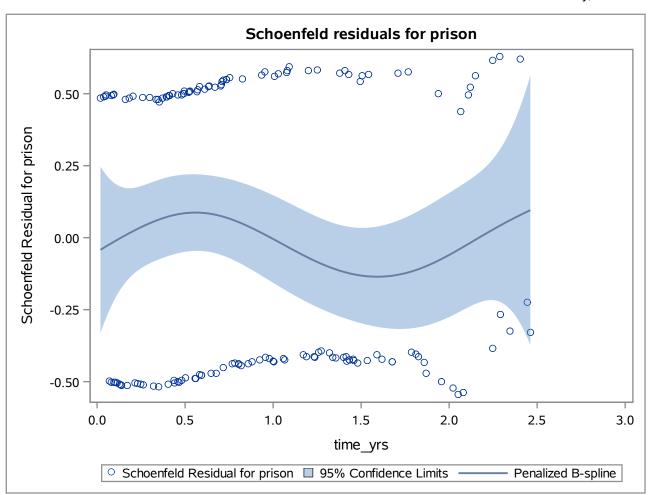
Convergence Status Convergence criterion (GCONV=1E-8) satisfied.

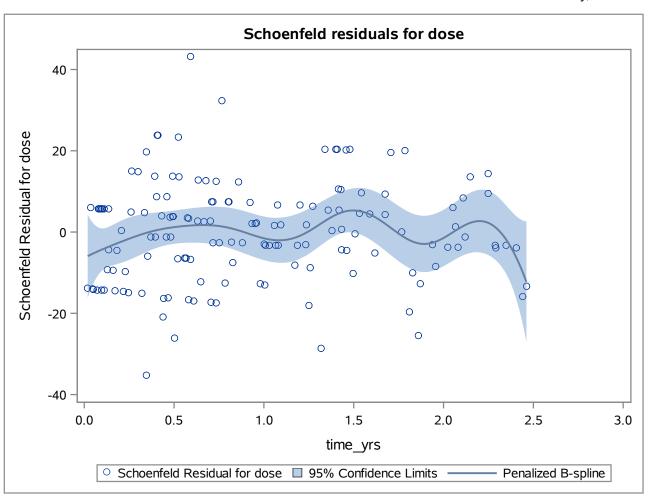
Model Fit Statistics							
Criterion	Without Covariates	With Covariates					
-2 LOG L	1411.324	1346.805					
AIC	1411.324	1352.805					
SBC	1411.324	1361.837					

Testing Global Null Hypothesis: BETA=0							
Test Chi-Square DF Pr > ChiSq							
Likelihood Ratio	64.5190	3	<.0001				
Score	56.2730	3	<.0001				
Wald	54.0906	3	<.0001				

Analysis of Maximum Likelihood Estimates								
Parameter	Parameter DF Estimate Error Chi-Square Pr > ChiSq F							
clinic	1	-1.00876	0.21486	22.0419	<.0001	0.365		
prison	1	0.32650	0.16722	3.8123	0.0509	1.386		
dose	1	-0.03540	0.00638	30.7844	<.0001	0.965		







Obs	time_yrs	clinic	prison	status	dose
1	0.005476	1	0		60
2	0.005476	1	1		60
3	0.005476	2	0		60
4	0.005476	2	1		60
5	0.005476	1	0		60
6	0.005476	1	1		60
7	0.005476	2	0		60
8	0.005476	2	1		60
9	0.019165	1	0		60
10	0.019165	1	1		60

Test

Model Information				
Data Set WORK.AUGMEN				
Dependent Variable time_yrs				
Censoring Variable	status			
Censoring Value(s)	0			
Ties Handling	BRESLOW			

Number of Observations Read	1190
Number of Observations Used	

Summary of the Number of Event and Censored Values					
Stratum	clinic	Total	Event	Censored	Percent Censored
1	1	163	122	41	25.15
2	2	75	28	47	62.67
Total		238	150	88	36.97

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

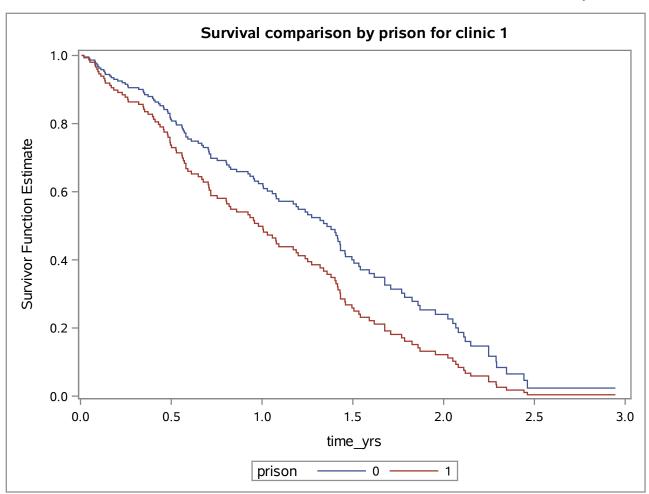
Model Fit Statistics				
Criterion	Without Covariates	With Covariates		
-2 LOG L	1229.367	1195.428		
AIC	1229.367	1199.428		
SBC	1229.367	1205.449		

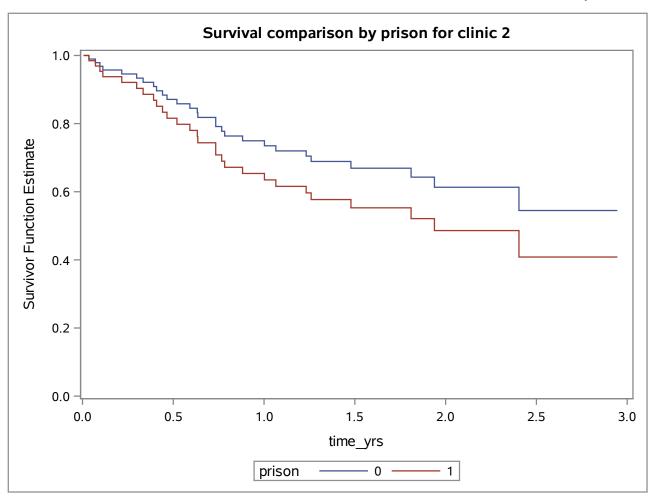
Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	33.9393	2	<.0001	
Score	33.3628	2	<.0001	
Wald	32.6858	2	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	DF Estimate Standard Chi-Square Pr > ChiSq Ratio				
prison	1	0.38877	0.16892	5.2974	0.0214	1.475
dose	1	-0.03514	0.00647	29.5471	<.0001	0.965

Obs	time_yrs	clinic	prison	status	dose	id	time	s
1	.005475702	1	0		60			1
2	.005475702	1	1		60			1
3	.005475702	2	0		60			1
4	.005475702	2	1		60			1
5	.005475702	1	0		60			1

Test





Model Information				
Data Set	SURVIVAL.HEROIN			
Dependent Variable	time_yrs			
Censoring Variable	status			
Censoring Value(s)	0			
Ties Handling	BRESLOW			

Number of Observations Read	
Number of Observations Used	238

Summary of the Number of Event and Censored Values				
Total	Event	Censored	Percent Censored	
238	150	88	36.97	

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics						
Criterion	Without Covariates	With Covariates				
-2 LOG L	1411.324	1335.283				
AIC	1411.324	1343.283				
SBC	1411.324	1355.326				

Testing Global Null Hypothesis: BETA=0						
Test	Chi-Square	DF	Pr > ChiSq			
Likelihood Ratio	76.0407	4	<.0001			
Score	66.9784	4	<.0001			
Wald	57.7290	4	<.0001			

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
clinic	1	0.01829	0.34720	0.0028	0.9580	1.018
prison	1	0.38964	0.16887	5.3239	0.0210	1.476
dose	1	-0.03522	0.00644	29.8837	<.0001	0.965
clinic_by_time	1	-1.10141	0.34534	10.1718	0.0014	0.332

Obs	birth_dt	accept_dt	tx_date	fu_date	fustat	surgery	age	futime	wait_time
1	1937-01-10	1967-11-15	NA	1968-01-03	1	0	30.8446	49	
2	1916-03-02	1968-01-02	NA	1968-01-07	1	0	51.8357	5	
3	1913-09-19	1968-01-06	1968-01-06	1968-01-21	1	0	54.2971	15	0
4	1927-12-23	1968-03-28	1968-05-02	1968-05-05	1	0	40.2628	38	35
5	1947-07-28	1968-05-10	NA	1968-05-27	1	0	20.7858	17	
6	1913-11-08	1968-06-13	NA	1968-06-15	1	0	54.5955	2	
7	1917-08-29	1968-07-12	1968-08-31	1970-05-17	1	0	50.8693	674	50
8	1923-03-27	1968-08-01	NA	1968-09-09	1	0	45.3498	39	
9	1921-06-11	1968-08-09	NA	1968-11-01	1	0	47.1622	84	
10	1926-02-09	1968-08-11	1968-08-22	1968-10-07	1	0	42.5024	57	11

Obs	transplant	mismatch	hla_a2	mscore	reject
1	0				
2	0				
3	1	2	0	1.11	0
4	1	3	0	1.66	0
5	0				
6	0				
7	1	4	0	1.32	1
8	0				
9	0				
10	1	2	0	0.61	1

Listing of transplant2 data set

Obs	id	start	stop	event	transplant	age	year	surgery
1	1	0	49	1	0	-17.1554	0.12320	0
2	2	0	5	1	0	3.8357	0.25462	0
3	3	0	15	1	1	6.2971	0.26557	0
4	4	0	35	0	0	-7.7372	0.49008	0
5	4	35	38	1	1	-7.7372	0.49008	0
6	5	0	17	1	0	-27.2142	0.60780	0
7	6	0	2	1	0	6.5955	0.70089	0
8	7	0	50	0	0	2.8693	0.78029	0
9	7	50	674	1	1	2.8693	0.78029	0
10	8	0	39	1	0	-2.6502	0.83504	0

Recalculation of data set

Obs	id	start	stop	event	transplant
1	1	0	49	1	0
2	2	0	5	1	0
3	3	0	15	1	1
4	4	0	35	0	0
5	4	35	38	1	1
6	5	0	17	1	0
7	6	0	2	1	0
8	7	0	50	0	0
9	7	50	674	1	1
10	8	0	39	1	0

Naive analysis

Model Information				
Data Set	SURVIVAL.TRANSPLANT1			
Dependent Variable	futime			
Censoring Variable	fustat			
Censoring Value(s)	0			
Ties Handling	BRESLOW			

Number of Observations Read	103
Number of Observations Used	103

Summary of the Number of Event and Censored Values					
Total	Event Censored Percent Censored				
103	75	28	27.18		

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics						
Criterion	Without Covariates	With Covariates				
-2 LOG L	596.651	551.188				
AIC	596.651	557.188				
SBC	596.651	564.141				

Testing Global Null Hypothesis: BETA=0					
Test Chi-Square DF Pr > ChiSq					
Likelihood Ratio	45.4629	3	<.0001		
Score	52.0469	3	<.0001		
Wald	46.6680	3	<.0001		

Analysis of Maximum Likelihood Estimates						
						Hazard Ratio
transplant	1	-1.70813	0.27860	37.5902	<.0001	0.181
age	1	0.05860	0.01505	15.1611	<.0001	1.060
surgery	1	-0.42130	0.37098	1.2896	0.2561	0.656

Time varying model

Model Information			
Data Set	SURVIVAL.TRANSPLANT1		
Dependent Variable	futime		
Censoring Variable	fustat		
Censoring Value(s)	0		
Ties Handling	BRESLOW		

Number of Observations Read	103
Number of Observations Used	103

Summary of the Number of Event and Censored Values			
Total Event Censored Censored			
103	75	28	27.18

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics					
Criterion Without With Covariates Covariates					
-2 LOG L	596.651	585.946			
AIC	596.651	591.946			
SBC	596.651	598.898			

Testing Global Null Hypothesis: BETA=0					
Test Chi-Square DF Pr > ChiSq					
Likelihood Ratio	10.7056	3	0.0134		
Score	9.9853	3	0.0187		
Wald	9.6574	3	0.0217		

Analysis of Maximum Likelihood Estimates						
						Hazard Ratio
transplant	1	-0.04744	0.30274	0.0246	0.8755	0.954
age	1	0.03108	0.01391	4.9886	0.0255	1.032
surgery	1	-0.76975	0.35961	4.5817	0.0323	0.463

Model Information				
Data Set	SURVIVAL.TRANSPLANT2			
Dependent Variable	start			
Dependent Variable	stop			
Censoring Variable	event			
Censoring Value(s)	0			
Ties Handling	BRESLOW			

Number of Observations Read	
Number of Observations Used	170

Summary of the Number of Event and Censored Values				
Total	Event	Censored	Percent Censored	
170	75	95	55.88	

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics							
Criterion	Without Covariates	With Covariates					
-2 LOG L	596.651	585.968					
AIC	596.651	591.968					
SBC	596.651	598.921					

Testing Global Null Hypothesis: BETA=0							
Test	Chi-Square	DF	Pr > ChiSq				
Likelihood Ratio	10.6827	3	0.0136				
Score	9.9683	3	0.0188				
Wald	9.6451	3	0.0218				

Analysis of Maximum Likelihood Estimates									
Parameter	DF	Parameter Estimate			Pr > ChiSq	Hazard Ratio			
transplant	1	0.01238	0.30815	0.0016	0.9680	1.012			
age	1	0.03055	0.01390	4.8317	0.0279	1.031			
surgery	1	-0.77154	0.35967	4.6016	0.0319	0.462			

Leader data set Partial listing

Obs	years	lost	manner	start	military	age	conflict	loginc	growth	рор	land	literacy	region	cens	outcome
1	3	2	1	975	0	53	1	5.79909	-5.7	8.0	1247	20	1	1	0
2	8	0	0	979	0	37	1	5.79909	-5.7	8.0	1247	20	1	0	0
3	3	3	0	960	0	44	1	4.70048	1.0	4.0	112	11	1	1	0
4	1	3	0	964	0	51	1	4.70048	1.0	4.0	112	11	1	1	0
5	1	3	1	965	1	56	1	4.70048	1.0	4.0	112	11	1	1	0
6	0	3	1	967	1	37	1	4.70048	1.0	4.0	112	11	1	1	0
7	1	3	1	968	0	50	1	4.70048	1.0	4.0	112	11	1	1	0
8	15	0	1	972	1	39	1	4.70048	1.0	4.0	112	11	1	0	0
9	13	2	0	966	0	45	0	5.43808	8.5	1.2	600	30	1	1	0
10	7	0	0	980	0	55	0	5.43808	8.5	1.2	600	30	1	0	0

Leader data set **Descriptive statistics**

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
years	438	5.1141553	5.5778846	0	27.0000000
start	438	972.5981735	8.0846888	960.0000000	987.0000000
age	438	49.3926941	11.4196483	17.0000000	81.0000000
loginc	438	5.9159545	1.0729694	4.0943446	9.5460981
growth	438	1.6301370	2.8301103	-7.0000000	8.5000000
pop	438	35.7800890	115.6069206	0.0080000	1088.00
land	438	739.9743379	1431.02	0.0200000	9596.00
literacy	438	59.4132420	28.1875138	5.0000000	99.0000000

Leader data set **Descriptive statistics**

The FREQ Procedure

lost	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	111	25.34	111	25.34
1	146	33.33	257	58.68
2	27	6.16	284	64.84
3	154	35.16	438	100.00

manner	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	280	63.93	280	63.93
1	158	36.07	438	100.00

military	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	294	67.12	294	67.12
1	144	32.88	438	100.00

conflict	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	166	37.90	166	37.90
1	272	62.10	438	100.00

region	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	60	13.70	60	13.70
1	132	30.14	192	43.84
2	91	20.78	283	64.61
3	155	35.39	438	100.00

Leader data set Simple KM curves

Summary of the Number of Censored and Uncensored Values									
Stratum	manner	Total	Failed	Censored	Percent Censored				
1	0	280	210	70	25.00				
2	1	158	117	41	25.95				
Total		438	327	111	25.34				

Leader data set Simple KM curves

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for years over Strata

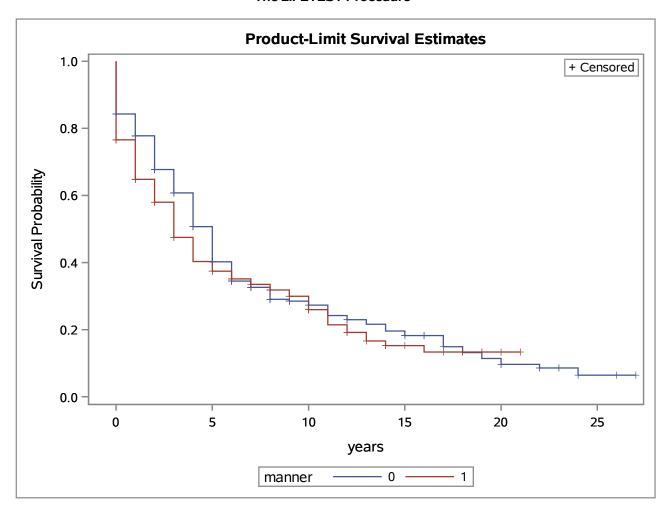
Rank Statistics				
manner	Log-Rank	Wilcoxon		
0	-9.3867	-4849.0		
1	9.3867	4849.0		

Covariance Matrix for the Log-Rank Statistics				
manner	0	1		
0	62.1066	-62.1066		
1	-62.1066	62.1066		

Covariance Matrix for the Wilcoxon Statistics				
manner	0	1		
0	5468832	-5468832		
1	-5468832	5468832		

Test of Equality over Strata				
Test	Chi-Square	DF	Pr > Chi-Square	
Log-Rank	1.4187	1	0.2336	
Wilcoxon	4.2994	1	0.0381	
-2Log(LR)	1.9957	1	0.1577	

Leader data set Simple KM curves



Summary of the Number of Censored and Uncensored Values					
				Percent Censored	
1	0	294	224	70	23.81
2	1	144	103	41	28.47
Total		438	327	111	25.34

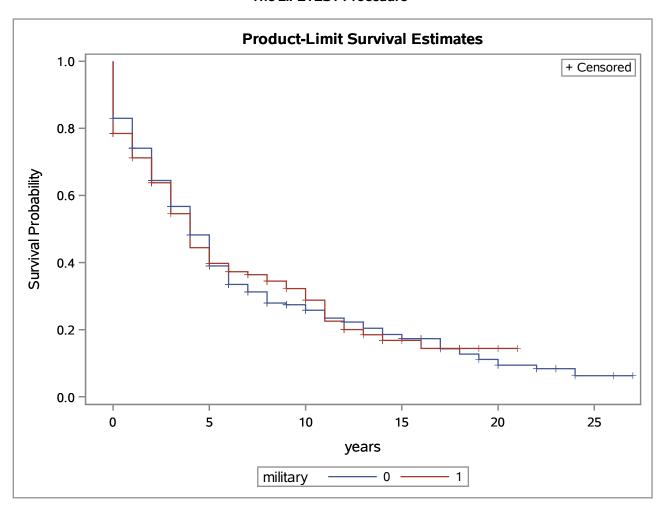
The LIFETEST Procedure

Rank Statistics				
military	military Log-Rank Wilcoxon			
0	0.69612	-815.00		
1	-0.69612	815.00		

Covariance Matrix for the Log-Rank Statistics					
military	0 1				
0	60.9494	-60.9494			
1	-60.9494	60.9494			

Covariance Matrix for the Wilcoxon Statistics					
military	y 0 1				
0	5319080	-5319080			
1	-5319080	5319080			

Test of Equality over Strata					
Test Chi-Square DF Chi-Square					
Log-Rank	0.0080	1	0.9289		
Wilcoxon	0.1249	1	0.7238		
-2Log(LR)	0.0174	1	0.8952		



Summary of the Number of Censored and Uncensored Values					
Stratum	conflict	Total	Failed	Censored	Percent Censored
1	0	166	124	42	25.30
2	1	272	203	69	25.37
Total		438	327	111	25.34

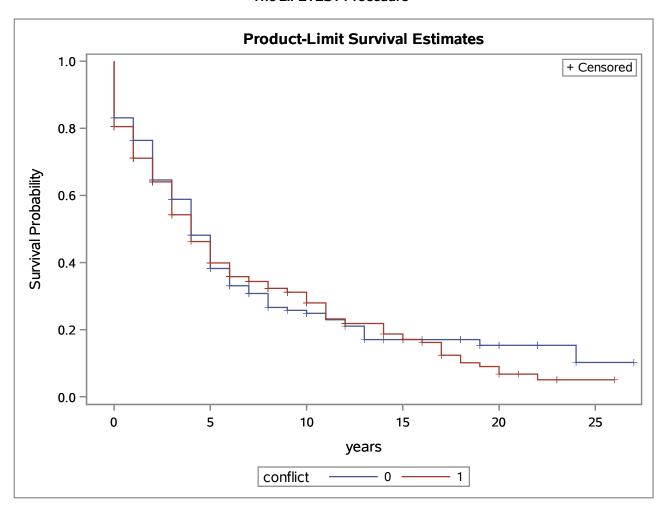
The LIFETEST Procedure

Rank Statistics					
conflict	conflict Log-Rank Wilcoxon				
0	-4.0631	-956.00			
1	4.0631	956.00			

Covariance Matrix for the Log-Rank Statistics				
conflict	onflict 0 1			
0	67.4301	-67.4301		
1	-67.4301	67.4301		

Covariance Matrix for the Wilcoxon Statistics			
conflict 0 1			
0	5764781	-5764781	
1	-5764781	5764781	

Test of Equality over Strata					
Test	rest Chi-Square DF Chi-Square				
Log-Rank	0.2448	1	0.6207		
Wilcoxon	0.1585	1	0.6905		
-2Log(LR)	0.3092	1	0.5782		



Summary of the Number of Censored and Uncensored Values					
					Percent Censored
1	0	60	42	18	30.00
2	1	132	90	42	31.82
3	2	91	65	26	28.57
4	3	155	130	25	16.13
Total		438	327	111	25.34

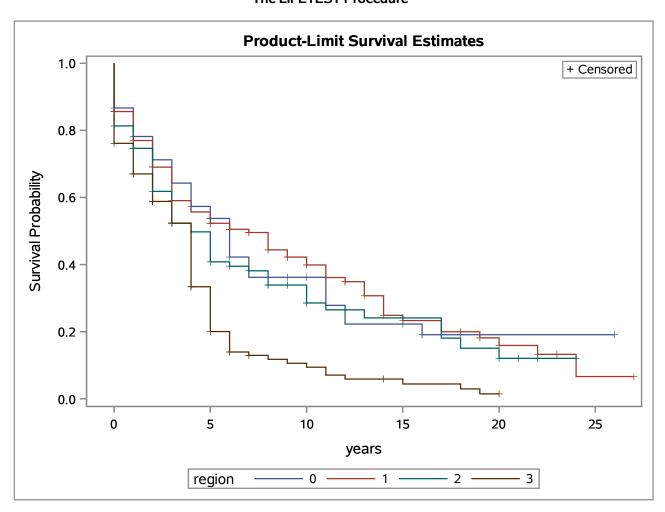
The LIFETEST Procedure

Rank Statistics				
region Log-Rank Wilcoxor				
0	-9.484	-2808.0		
1	-25.726	-6229.0		
2	-4.984	-454.0		
3	40.193	9491.0		

Covariance Matrix for the Log-Rank Statistics					
region	0	1	2	3	
0	37.5826	-16.1102	-9.6130	-11.8594	
1	-16.1102	63.7560	-22.0230	-25.6229	
2	-9.6130	-22.0230	47.7703	-16.1344	
3	-11.8594	-25.6229	-16.1344	53.6167	

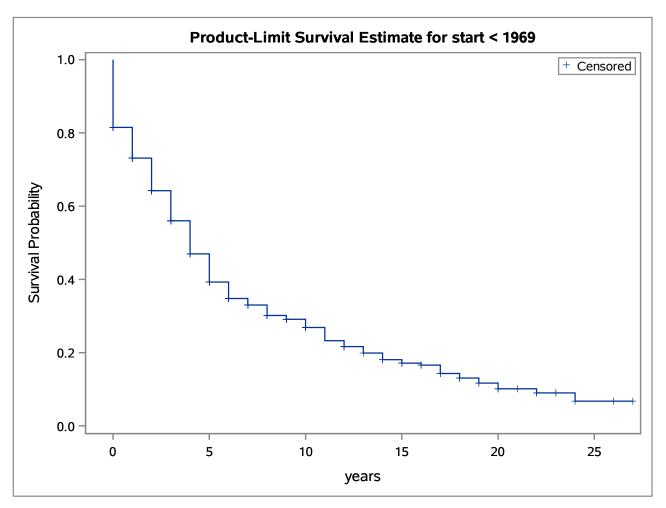
Covariance Matrix for the Wilcoxon Statistics						
region	0	1	2	3		
0	3029487	-1120424	-737816	-1171247		
1	-1120424	5222065	-1586630	-2515011		
2	-737816	-1586630	4001965	-1677518		
3	-1171247	-2515011	-1677518	5363777		

Test of Equality over Strata					
Test Chi-Square DF Chi-Square					
Log-Rank	31.3905	3	<.0001		
Wilcoxon	18.6136	3	0.0003		
-2Log(LR)	48.2772	3	<.0001		



The LIFETEST Procedure

Stratum 1: start < 1969



9	Summary of the Number of Censored and Uncensored Values					
St	Stratum start Total Failed Censored Censored					
	1	<1969	438	327	111	25.34

Summary of the Number of Censored and Uncensored Values						
Stratum age Total Failed Censored Percent Censored						
1	<39	77	49	28	36.36	
2	49	269	204	65	24.16	
3	>=59	92	74	18	19.57	
Total		438	327	111	25.34	

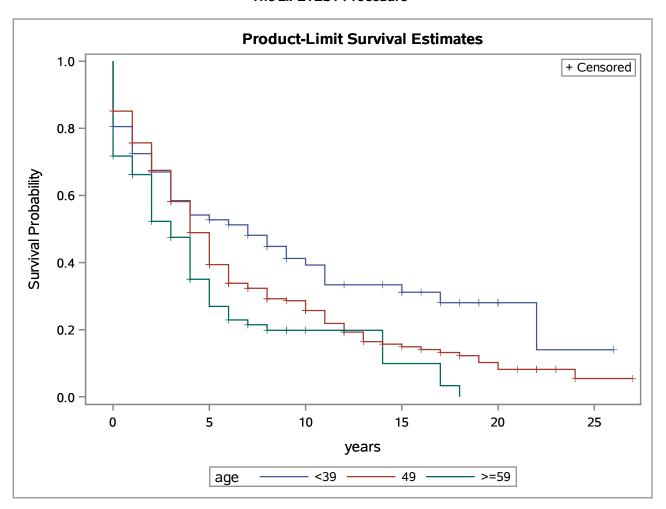
The LIFETEST Procedure

Rank Statistics					
age	Log-Rank	Wilcoxon			
<39	-19.095	-2793.0			
49	0.186	-2898.0			
>=59	18.910	5691.0			

Covariance Matrix for the Log-Rank Statistics					
age	<39	49	>=59		
<39	46.2988	-36.8698	-9.4290		
49	-36.8698	66.4822	-29.6124		
>=59	-9.4290	-29.6124	39.0414		

Covariance Matrix for the Wilcoxon Statistics					
age	<39	49	>=59		
<39	3578293	-2734511	-843782		
49	-2734511	5690577	-2956066		
>=59	-843782	-2956066	3799848		

Test of Equality over Strata					
Test Chi-Square DF Chi-Square					
Log-Rank	13.9536	2	0.0009		
Wilcoxon	9.2130	2	0.0100		
-2Log(LR)	21.6755	2	<.0001		



Summary of the Number of Censored and Uncensored Values						
Stratum loginc Total Failed Censored Censored						
1	<5.3	130	92	38	29.23	
2	5.75	140	106	34	24.29	
3	>=6.2	168	129	39	23.21	
Total		438	327	111	25.34	

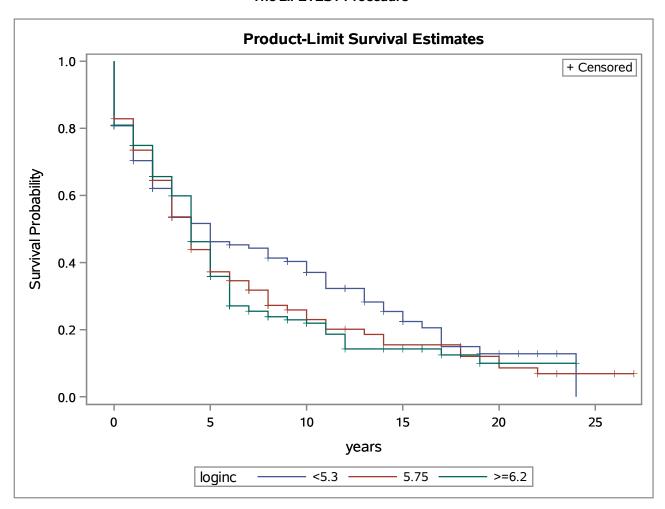
The LIFETEST Procedure

Rank Statistics					
loginc Log-Rank Wilcoxor					
<5.3	-12.226	-1685.0			
5.75	4.220	699.0			
>=6.2	8.006	986.0			

Covai	Covariance Matrix for the Log-Rank Statistics					
loginc	<5.3	5.75	>=6.2			
<5.3	60.8063	-27.9597	-32.8467			
5.75	-27.9597	60.5592	-32.5995			
>=6.2	-32.8467	-32.5995	65.4462			

Covariance Matrix for the Wilcoxon Statistics				
loginc <5.3 5.75 >=6.3				
<5.3	5036278	-2277601	-2758677	
5.75	-2277601	5285371	-3007770	
>=6.2	-2758677	-3007770	5766447	

Test of Equality over Strata					
Test	Chi-Square DF Chi-Square				
Log-Rank	2.4993	2	0.2866		
Wilcoxon	0.5647	2	0.7540		
-2Log(LR)	5.5728	2	0.0616		



Summary of the Number of Censored and Uncensored Values						
Stratum growth Total Failed Censored Percent Censored						
1	<0	85	61	24	28.24	
2	1.95	263	198	65	24.71	
3	>=3.9	90	68	22	24.44	
Total		438	327	111	25.34	

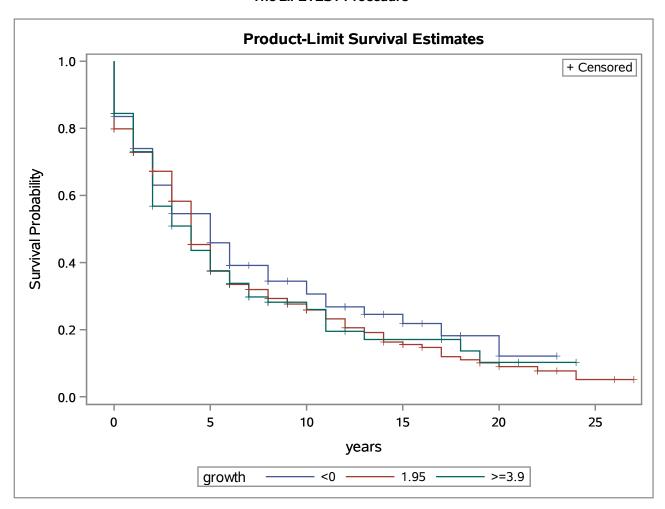
The LIFETEST Procedure

Rank Statistics				
growth Log-Rank Wilcoxon				
<0	-7.5080	-1498.0		
1.95 4.8068		474.0		
>=3.9	2.7012	1024.0		

Covariance Matrix for the Log-Rank Statistics				
growth <0 1.95 >=3.9				
<0	46.9209	-35.0616	-11.8593	
1.95	-35.0616	68.5051	-33.4436	
>=3.9	-11.8593	-33.4436	45.3029	

Covariance Matrix for the Wilcoxon Statistics				
growth <0 1.95 >=3.9				
<0	3884776	-2892840	-991935	
1.95	-2892840	5853931	-2961091	
>=3.9	-991935	-2961091	3953026	

Test of Equality over Strata				
Test Chi-Square DF Chi-Square				
Log-Rank	1.2166	2	0.5443	
Wilcoxon	0.6889	2	0.7086	
-2Log(LR)	1.6456	2	0.4392	



Summary of the Number of Censored and Uncensored Values							
Stratum	tratum pop Total Failed Censored Percent Censored						
1	<1	64	42	22	34.38		
2	5.5	195	147	48	24.62		
3	>=10	179	138	41	22.91		
Total		438	327	111	25.34		

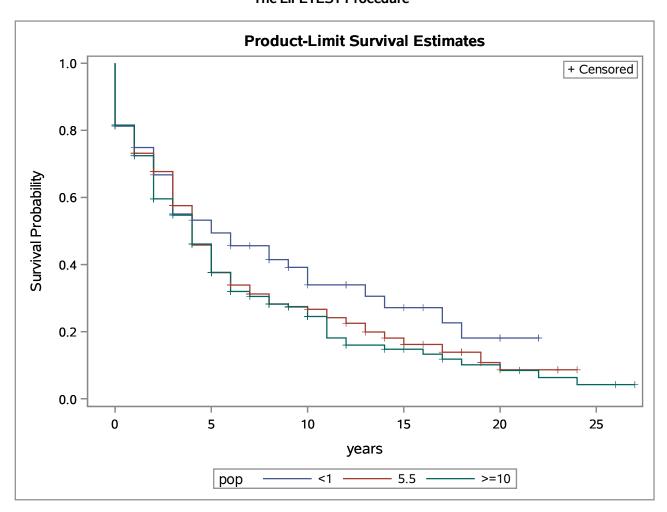
The LIFETEST Procedure

Rank Statistics				
pop Log-Rank Wilcoxon				
<1	-10.205	-1678.0		
5.5	0.596	-254.0		
>=10	9.609	1932.0		

Covariance Matrix for the Log-Rank Statistics				
pop	<1 5.5 >=10			
<1	38.0770	-20.4301	-17.6469	
5.5	-20.4301	70.0767	-49.6466	
>=10	-17.6469	-49.6466	67.2936	

Covariance Matrix for the Wilcoxon Statistics					
pop <1 5.5 >=10					
<1	3073948	-1611912	-1462037		
5.5	-1611912	6011000	-4399088		
>=10	-1462037	-4399088	5861125		

Test of Equality over Strata					
Test Chi-Square DF Chi-Square					
Log-Rank	3.1377	2	0.2083		
Wilcoxon	1.1649	2	0.5585		
-2Log(LR)	4.8341	2	0.0892		



Summary of the Number of Censored and Uncensored Values							
Stratum land Total Failed Censored Percent Censored							
1	<100	142	103	39	27.46		
2	550	198	147	51	25.76		
3	>=1000	98	77	21	21.43		
Total		438	327	111	25.34		

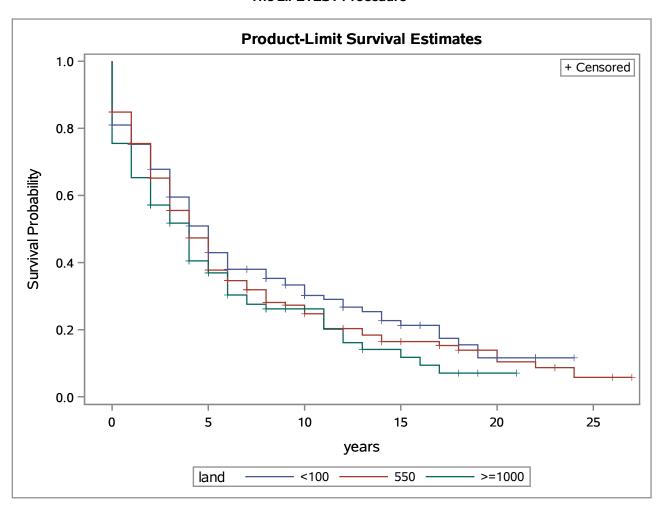
The LIFETEST Procedure

Rank Statistics				
land Log-Rank Wilcoxon				
<100	-11.319	-2498.0		
550	0.562	-975.0		
>=1000	10.756	3473.0		

Covariance Matrix for the Log-Rank Statistics					
land	land <100 550 >=1000				
<100	64.4150	-44.4664	-19.9486		
550	-44.4664	70.0254	-25.5591		
>=1000	-19.9486	-25.5591	45.5077		

Covariance Matrix for the Wilcoxon Statistics				
land <100 550 >=1000				
<100	5383128	-3644054	-1739074	
550	6026166	-2382112		
>=1000	-1739074	-2382112	4121186	

Test of Equality over Strata					
Test Chi-Square DF Chi-Square					
Log-Rank	3.3256	2	0.1896		
Wilcoxon	3.1560	2	0.2064		
-2Log(LR)	5.1086	2	0.0777		



Summary of the Number of Censored and Uncensored Values							
Stratum literacy Total Failed Censored Percent Censored							
1	<50	152	103	49	32.24		
2	62.5	107	82	25	23.36		
3	>=75	179	142	37	20.67		
Total		438	327	111	25.34		

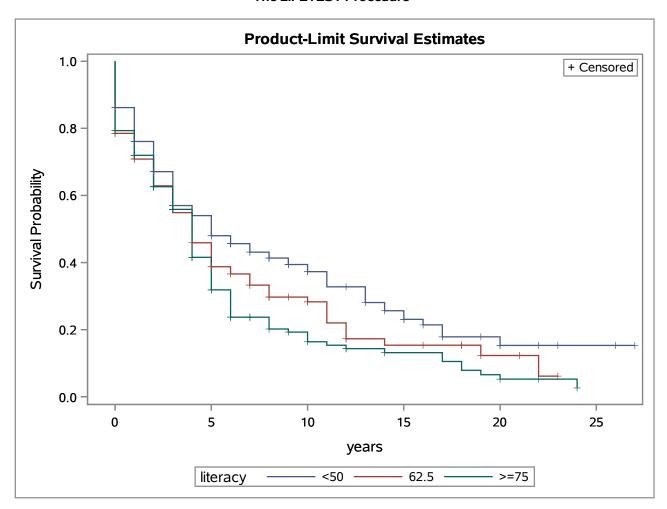
The LIFETEST Procedure

Rank Statistics				
literacy Log-Rank Wilcoxon				
<50	-23.294	-5332.0		
62.5	1.901	950.0		
>=75	21.393	4382.0		

Covariance Matrix for the Log-Rank Statistics				
literacy <50 62.5 >=75				
<50	66.6496	-26.9661	-39.6836	
62.5	-26.9661	52.3996	-25.4335	
>=75	-39.6836	-25.4335	65.1171	

Covariance Matrix for the Wilcoxon Statistics					
literacy <50 62.5 >=75					
<50	5579493	-2111370	-3468122		
62.5	-2111370	4468701	-2357330		
>=75	-3468122	-2357330	5825453		

Test of Equality over Strata					
Test Chi-Square DF Chi-Square					
Log-Rank	9.5054	2	0.0086		
Wilcoxon	5.4061	2	0.0670		
-2Log(LR)	15.5998	2	0.0004		



Leader data set Model with three independent variables

The PHREG Procedure

Model Information		
Data Set	SURVIVAL.LEADER	
Dependent Variable	years	
Censoring Variable	cens	
Censoring Value(s)	0	
Ties Handling	BRESLOW	

Number of Observations Read	438
Number of Observations Used	438

Class Level Information				
Class	Value	Design Variables		
manner	0	1		
	1	0		
military	0	1		
	1	0		

Summary of the Number of Event and Censored Values				
Total	Event	Censored	Percent Censored	
438	327	111	25.34	

Convergence Status Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics				
Criterion	Without Covariates	With Covariates		
-2 LOG L	3511.724	3489.379		
AIC	3511.724	3495.379		
SBC	3511.724	3506.749		

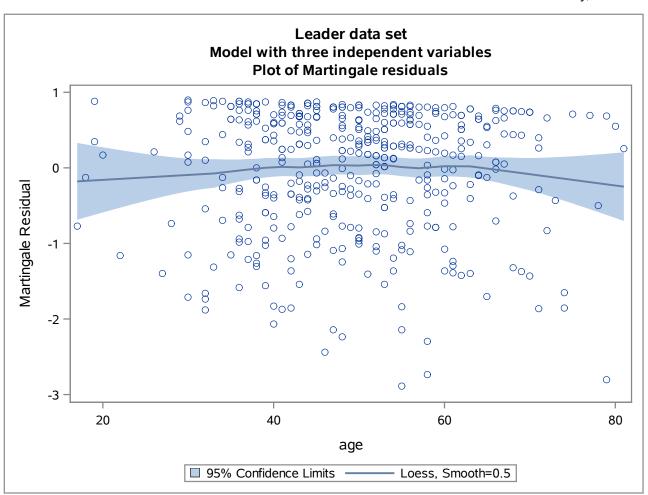
Testing Global Null Hypothesis: BETA=0					
Test	Chi-Square D		Pr > ChiSq		
Likelihood Ratio	22.3455	3	<.0001		
Score	22.5907	3	<.0001		
Wald	22.7364	3	<.0001		

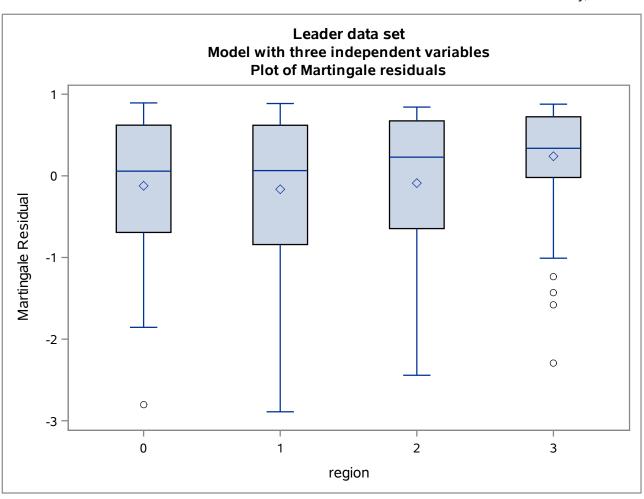
Leader data set Model with three independent variables

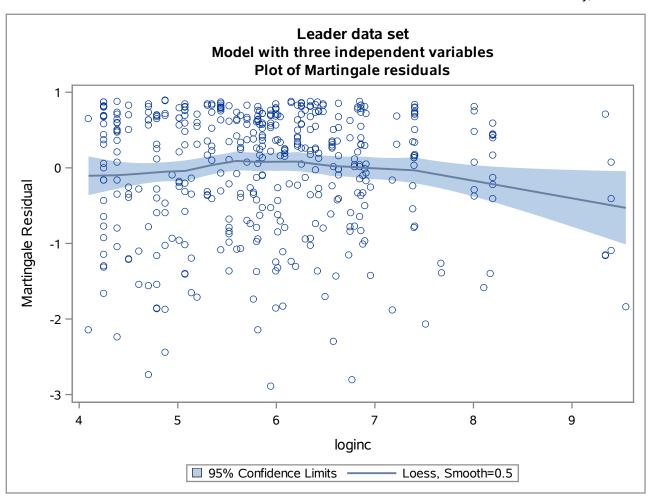
The PHREG Procedure

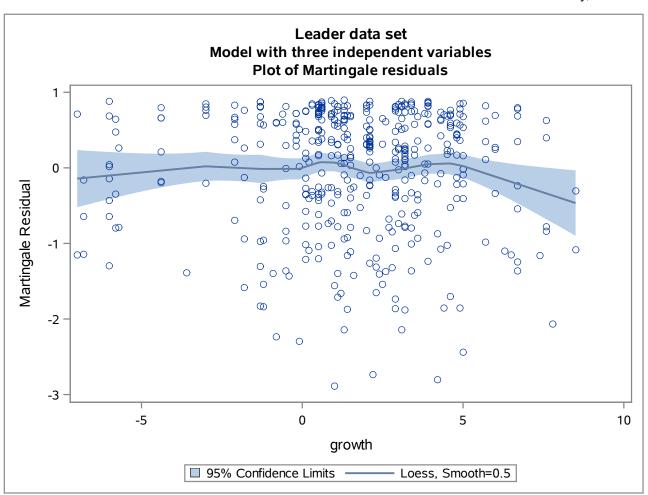
Type 3 Tests							
Effect	DF	Wald Chi-Square	Pr > ChiSq				
manner	1	4.7330	0.0296				
military	1	0.5961	0.4401				
age	1	20.1023	<.0001				

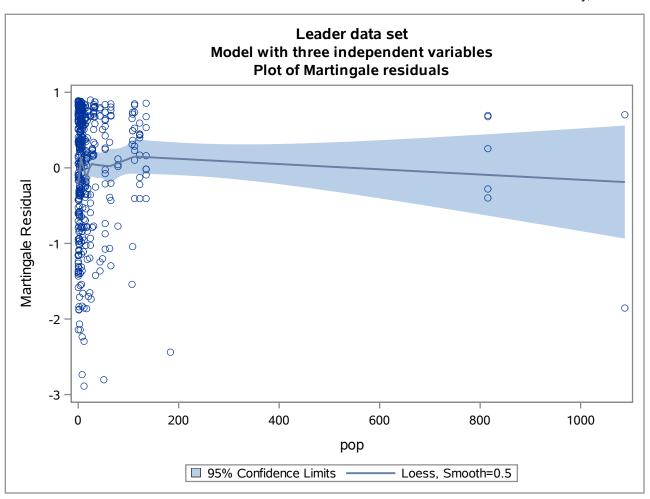
Analysis of Maximum Likelihood Estimates								
Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	Label
manner	0	1	-0.33219	0.15269	4.7330	0.0296	0.717	manner 0
military	0	1	0.12099	0.15671	0.5961	0.4401	1.129	military 0
age		1	0.02225	0.00496	20.1023	<.0001	1.022	

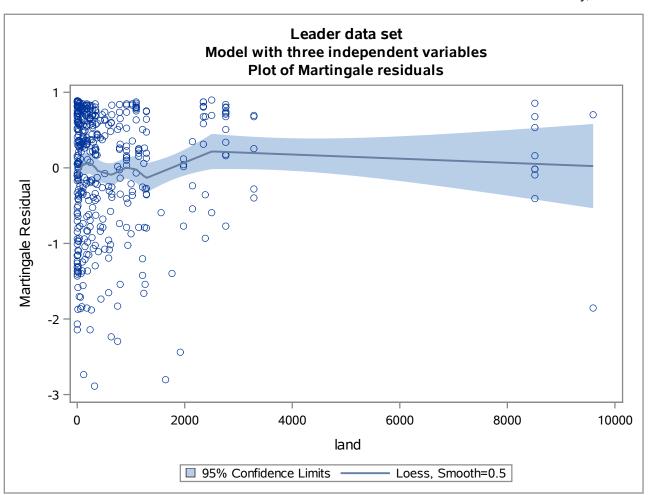


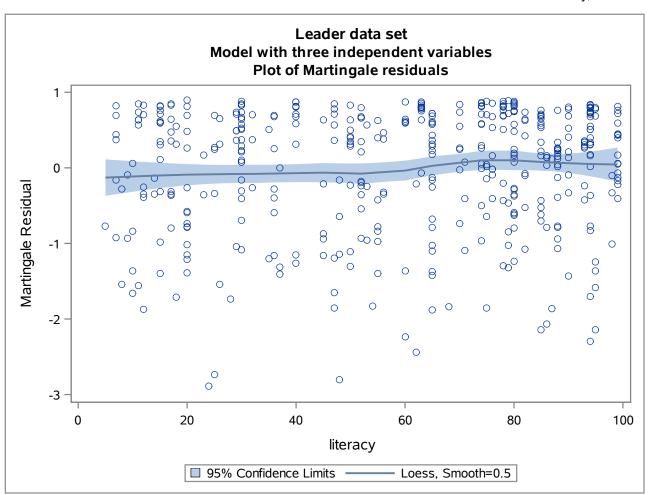












Leader data set Model with five independent variables

The PHREG Procedure

Model Information		
Data Set	SURVIVAL.LEADER	
Dependent Variable	years	
Censoring Variable	cens	
Censoring Value(s)	0	
Ties Handling	BRESLOW	

Number of Observations Read	
Number of Observations Used	438

Class Level Information				
Class	Value	Design Variables		
manner	0	1		
	1	0 1		
military	0			
	1	0		
region	0	1	0	0
	1	0	1	0
	2	0	0	1
	3	0	0	0

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
438	327	111	25.34

Convergence Status
Convergence criterion (GCONV=1F-8) satisfied

Model Fit Statistics				
Criterion	With Covariates			
-2 LOG L	3511.724	3461.124		
AIC	3511.724	3475.124		
SBC	3511.724	3501.654		

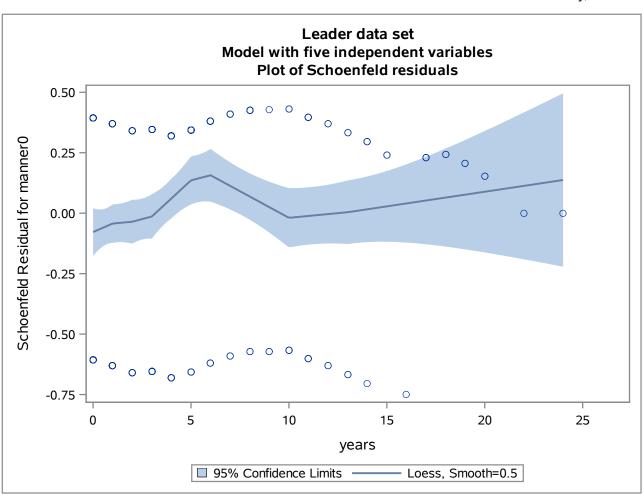
Leader data set Model with five independent variables

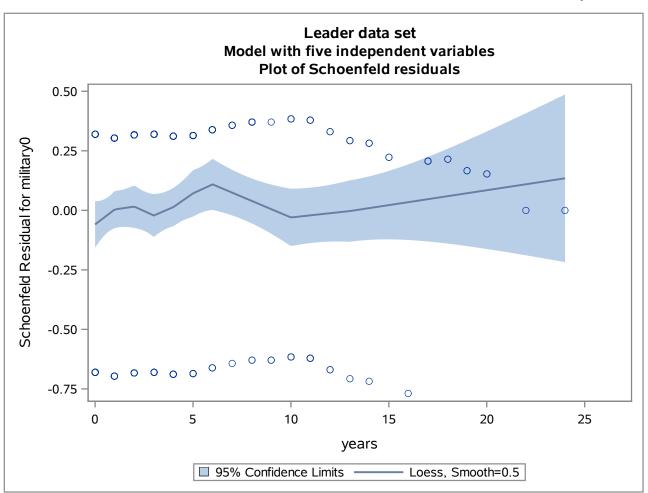
The PHREG Procedure

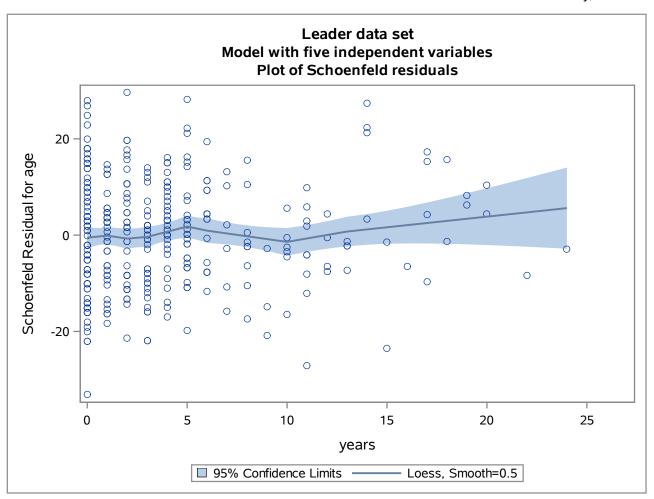
Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	50.6006	7	<.0001	
Score	51.0176	7	<.0001	
Wald	50.0804	7	<.0001	

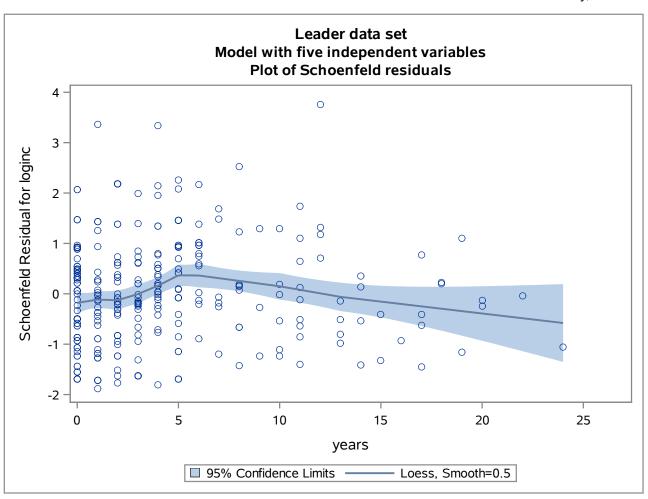
Type 3 Tests						
Effect	DF	Wald Chi-Square	Pr > ChiSq			
manner	1	4.5334	0.0332			
military	1	1.6171	0.2035			
age	1	15.9631	<.0001			
loginc	1	6.3911	0.0115			
region	3	27.9457	<.0001			

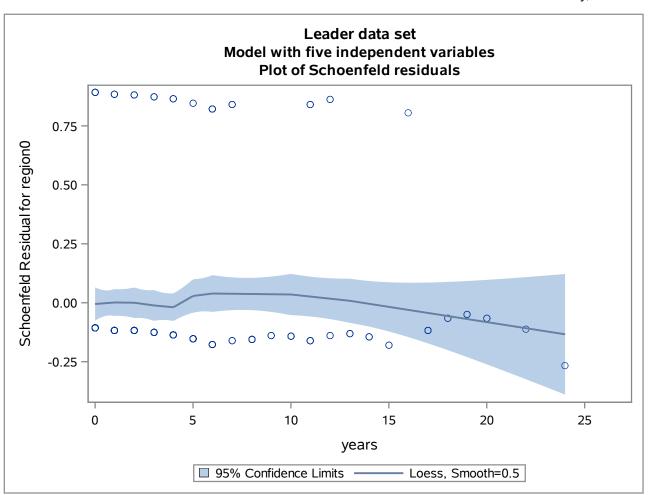
	Analysis of Maximum Likelihood Estimates							
Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	Label
manner	0	1	-0.32415	0.15224	4.5334	0.0332	0.723	manner 0
military	0	1	0.19864	0.15621	1.6171	0.2035	1.220	military 0
age		1	0.02053	0.00514	15.9631	<.0001	1.021	
loginc		1	-0.17709	0.07005	6.3911	0.0115	0.838	
region	0	1	-0.46806	0.18138	6.6589	0.0099	0.626	region 0
region	1	1	-0.82557	0.16819	24.0933	<.0001	0.438	region 1
region	2	1	-0.67132	0.17415	14.8598	0.0001	0.511	region 2

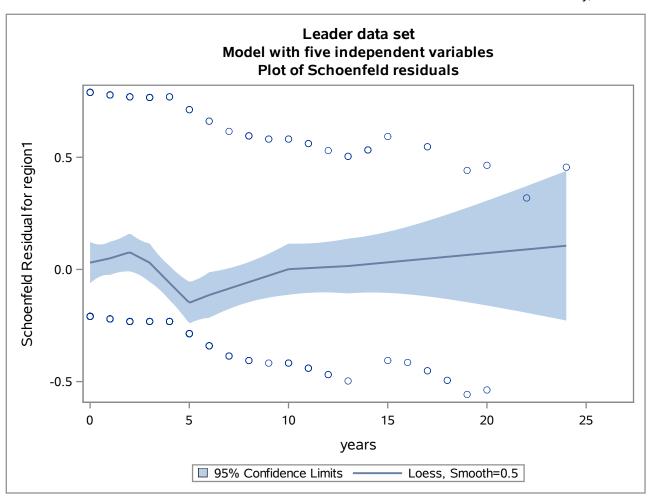


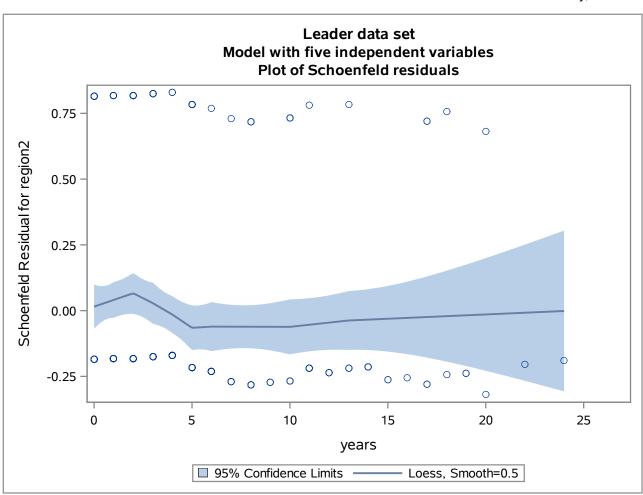












Leader data set Model with five independent variables Plot of Schoenfeld residuals

The PHREG Procedure

Model Information			
Data Set	SURVIVAL.LEADER		
Dependent Variable	years		
Status Variable	lost		
Event of Interest	1		
Competing Events	23		
Censored Value	0		

l		
Number of Observation	s Read	438
Number of Observation	s Used	438

	Summary of Failure Outcomes						
Total Interest Event Censored							
	438	146	181	111			

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Note: There are no explanatory variables in this model.

-2 LOG L = 1679.628

Leader data set Model with five independent variables Plot of Schoenfeld residuals

The PHREG Procedure

Model Inf	Model Information		
Data Set	SURVIVAL.LEADER		
Dependent Variable	years		
Status Variable	lost		
Event of Interest	2		
Competing Events	13		
Censored Value	0		

Number of Observations Read	438
Number of Observations Used	438

Summary of Failure Outcomes			
Total	Event of Interest	Competing Event	Censored
438	27	300	111

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Note: There are no explanatory variables in this model.

-2 LOG L = 307.7666

Leader data set Model with five independent variables Plot of Schoenfeld residuals

The PHREG Procedure

Model Inf	Model Information	
Data Set	SURVIVAL.LEADER	
Dependent Variable	years	
Status Variable	lost	
Event of Interest	3	
Competing Events	12	
Censored Value	0	

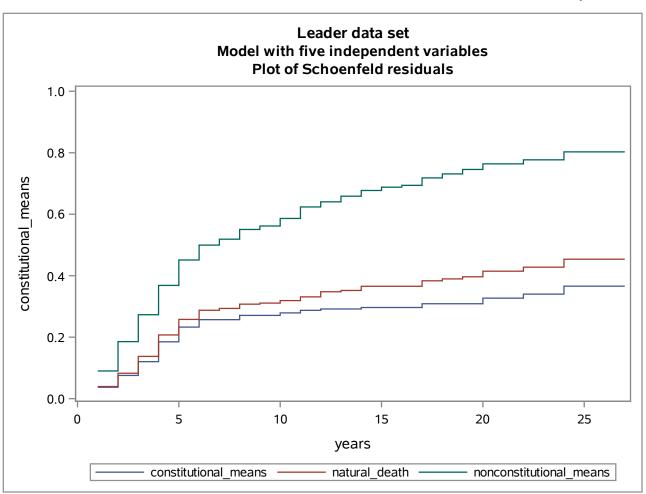
l		
Number of Observation	s Read	438
Number of Observation	s Used	438

	Summary of Failure Outcomes				
1 1		Event of Interest	Competing Event	Censored	
	438	154	173	111	

Convergence Status		
Convergence criterion (GCONV=1E-8) satisfied.		

Note: There are no explanatory variables in this model.

-2 LOG L = 1769.981



Leader data set Model with five independent variables Subgroup manner=nonconstitutional ascent

The PHREG Procedure

Model Inf	Model Information	
Data Set	SURVIVAL.LEADER	
Dependent Variable	years	
Status Variable	lost	
Event of Interest	1	
Competing Events	23	
Censored Value	0	

Number of Observations Read	158
Number of Observations Used	158

Summary of Failure Outcomes				
Total	Event of Interest	Competing Event	Censored	
158	29	88	41	

Convergence Status	
Convergence criterion (GCONV=1E-8) satisfied.	

Note: There are no explanatory variables in this model.

-2 LOG L = 284.999

Leader data set Model with five independent variables Subgroup manner=nonconstitutional ascent

The PHREG Procedure

Model Information		
Data Set	SURVIVAL.LEADER	
Dependent Variable	years	
Status Variable	lost	
Event of Interest	2	
Competing Events	13	
Censored Value	0	

Number of Observations Read	158
Number of Observations Used	158

Summary of Failure Outcomes			
Total	Event of Interest	Competing Event	Censored
158	6	111	41

Convergence Status	
Convergence criterion (GCONV=1E-8) satisfied.	

Note: There are no explanatory variables in this model.

-2 LOG L = 56.56355

Leader data set Model with five independent variables Subgroup manner=nonconstitutional ascent

The PHREG Procedure

Model Information	
Data Set	SURVIVAL.LEADER
Dependent Variable	years
Status Variable	lost
Event of Interest	3
Competing Events	12
Censored Value	0

Number of Observations Read	158
Number of Observations Used	158

Summary of Failure Outcomes			
Total	Event of Interest	Competing Event	Censored
158	82	35	41

Convergence Status	
Convergence criterion (GCONV=1E-8) satisfied.	

Note: There are no explanatory variables in this model.

-2 LOG L = 759.5088

