The SAS System

The LIFETEST Procedure

Stratum 1: l_marry = 0

| Life Table Survival Estimates | | | | | | | | | | | |
| Interval | | | | | | | | | | | |
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
0	10	118	0	1076.0	0.1097	0.00953	1.0000	0	0	.	.
10	20	115	0	958.0	0.1200	0.0105	0.8903	0.1097	0.00953	.	.
20	30	76	0	843.0	0.0902	0.00986	0.7835	0.2165	0.0126	.	.
30	40	47	0	767.0	0.0613	0.00866	0.7128	0.2872	0.0138	.	.
40	50	30	0	720.0	0.0417	0.00745	0.6691	0.3309	0.0143	.	.
50	60	30	0	690.0	0.0435	0.00776	0.6413	0.3587	0.0146	.	.
60	70	13	0	660.0	0.0197	0.00541	0.6134	0.3866	0.0148	.	.
70	80	7	552	371.0	0.0189	0.00706	0.6013	0.3987	0.0149	.	.
80	90	0	88	44.0	0	0	0.5900	0.4100	0.0152	.	.
90	.	0	0	0.0	0	0	0.5900	0.4100	0.0152	.	.

| Interval | | Evaluated at the Midpoint of the Interval | | | |
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.0110	0.000953	0.011603	0.001066
10	20	0.0107	0.000942	0.012771	0.001188
20	30	0.00706	0.000781	0.009441	0.001082
30	40	0.00437	0.000623	0.006321	0.000922
40	50	0.00279	0.000502	0.004255	0.000777
50	60	0.00279	0.000502	0.004444	0.000811
60	70	0.00121	0.000333	0.001989	0.000552
70	80	0.00113	0.000426	0.001905	0.00072
80	90	0	.	0	.
90	.	.	.	.	.

The SAS System

The LIFETEST Procedure

Stratum 2: l_marry = 1

Life Table Survival Estimates											
Interval											
[Lower, Upper)		Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
0	10	18	0	369.0	0.0488	0.0112	1.0000	0	0	.	.
10	20	31	0	351.0	0.0883	0.0151	0.9512	0.0488	0.0112	.	.
20	30	29	0	320.0	0.0906	0.0160	0.8672	0.1328	0.0177	.	.
30	40	7	0	291.0	0.0241	0.00898	0.7886	0.2114	0.0213	.	.
40	50	13	0	284.0	0.0458	0.0124	0.7696	0.2304	0.0219	.	.
50	60	7	0	271.0	0.0258	0.00964	0.7344	0.2656	0.0230	.	.
60	70	10	0	264.0	0.0379	0.0117	0.7154	0.2846	0.0235	.	.
70	80	1	224	142.0	0.00704	0.00702	0.6883	0.3117	0.0241	.	.
80	90	0	29	14.5	0	0	0.6835	0.3165	0.0244	.	.
90	.	0	0	0.0	0	0	0.6835	0.3165	0.0244	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower, Upper)		PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00488	0.00112	0.005	0.001178
10	20	0.00840	0.00144	0.00924	0.001658
20	30	0.00786	0.00140	0.009493	0.001761
30	40	0.00190	0.000710	0.002435	0.00092
40	50	0.00352	0.000960	0.004685	0.001299
50	60	0.00190	0.000710	0.002617	0.000989
60	70	0.00271	0.000845	0.003861	0.001221
70	80	0.000485	0.000483	0.000707	0.000707
80	90	0	.	0	.
90	.	.	.	.	.

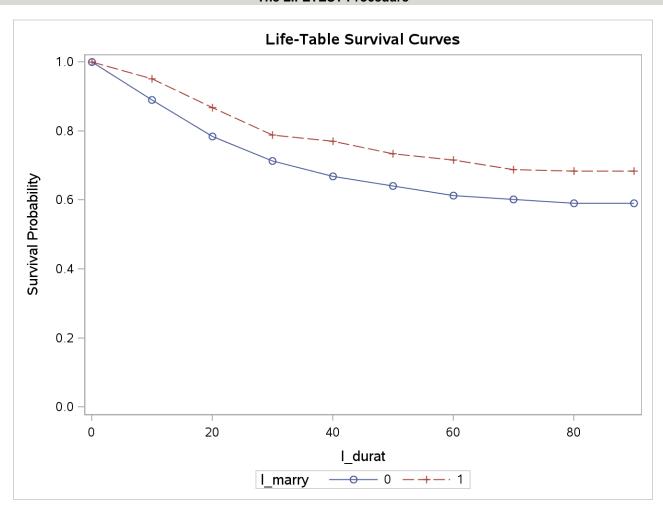| Summary of the Number of Censored and Uncensored Values					
Stratum	l_marry	Total	Failed	Censored	Percent Censored
1	0	1076	436	640	59.48
2	1	369	116	253	68.56
Total		1445	552	893	61.80

The SAS System

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for I_durat over Strata

Rank Statistics		
I_marry	Log-Rank	Wilcoxon
0	34.111	42523
1	-34.111	-42523

Covariance Matrix for the Log-Rank Statistics		
I_marry	0	1
0	108.307	-108.307
1	-108.307	108.307

Covariance Matrix for the Wilcoxon Statistics		
I_marry	0	1
0	1.5103E8	-1.51E8
1	-1.51E8	1.5103E8

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	10.7432	1	0.0010
Wilcoxon	11.9728	1	0.0005
-2Log(LR)	12.2349	1	0.0005

The SAS System

The LIFETEST Procedure

Life-Table Survival Curves

The SAS System

The LIFETEST Procedure

Stratum 1: I_cens = 0

Life Table Survival Estimates											
Interval											
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
0	10	136	0	552.0	0.2464	0.0183	1.0000	0	0	19.5890	0.8046
10	20	146	0	416.0	0.3510	0.0234	0.7536	0.2464	0.0183	15.9048	0.9712
20	30	105	0	270.0	0.3889	0.0297	0.4891	0.5109	0.0213	15.5556	1.5215
30	40	54	0	165.0	0.3273	0.0365	0.2989	0.7011	0.0195	16.6279	1.4936
40	50	43	0	111.0	0.3874	0.0462	0.2011	0.7989	0.0171	13.3784	1.4237
50	60	37	0	68.0	0.5441	0.0604	0.1232	0.8768	0.0140	9.1892	1.1144
60	70	23	0	31.0	0.7419	0.0786	0.0562	0.9438	0.00980	6.7391	1.2104
70	80	8	0	8.0	1.0000	0	0.0145	0.9855	0.00509	5.0000	1.7678
80	.	0	0	0.0	0	0	0	1.0000	0	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.0246	0.00183	0.028099	0.002386
10	20	0.0264	0.00188	0.042566	0.003442
20	30	0.0190	0.00167	0.048276	0.004572
30	40	0.00978	0.00126	0.03913	0.005222
40	50	0.00779	0.00114	0.048045	0.007112
50	60	0.00670	0.00106	0.074747	0.011398
60	70	0.00417	0.000851	0.117949	0.019862
70	80	0.00145	0.000509	0.2	0
80	.	.	.	.	.

The SAS System

The LIFETEST Procedure

Stratum 2: I_cens = 1

Life Table Survival Estimates											
Interval						Conditional Probability			Survival	Median	Median
[Lower, Upper)		Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Standard Error	Survival	Failure	Standard Error	Residual Lifetime	Standard Error
0	10	0	0	893.0	0	0	1.0000	0	0	.	.
10	20	0	0	893.0	0	0	1.0000	0	0	.	.
20	30	0	0	893.0	0	0	1.0000	0	0	.	.
30	40	0	0	893.0	0	0	1.0000	0	0	.	.
40	50	0	0	893.0	0	0	1.0000	0	0	.	.
50	60	0	0	893.0	0	0	1.0000	0	0	.	.
60	70	0	0	893.0	0	0	1.0000	0	0	.	.
70	80	0	776	505.0	0	0	1.0000	0	0	.	.
80	90	0	117	58.5	0	0	1.0000	0	0	.	.
90	.	0	0	0.0	0	0	1.0000	0	0	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0	.	0	.
10	20	0	.	0	.
20	30	0	.	0	.
30	40	0	.	0	.
40	50	0	.	0	.
50	60	0	.	0	.
60	70	0	.	0	.
70	80	0	.	0	.
80	90	0	.	0	.
90	.	.	.	.	.

Summary of the Number of Censored and Uncensored Values					
Stratum	I_cens	Total	Failed	Censored	Percent Censored
1	0	552	552	0	0.00
2	1	893	0	893	100.00
Total		1445	552	893	61.80

The SAS System

The LIFETEST Procedure

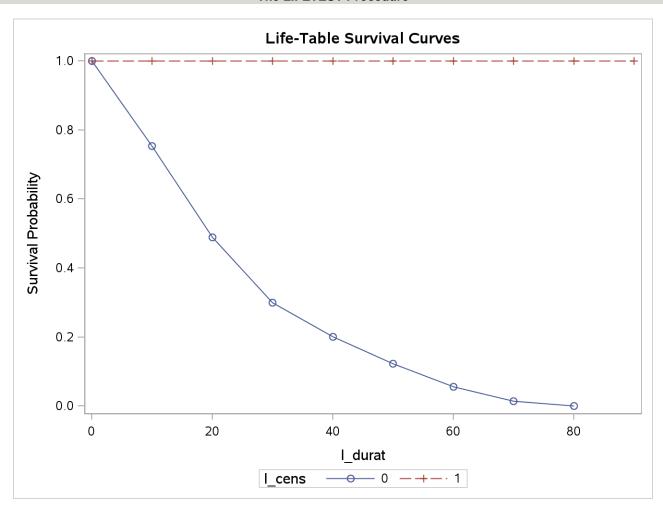### Testing Homogeneity of Survival Curves for I_durat over Strata

Rank Statistics		
I_cens	Log-Rank	Wilcoxon
0	427.80	491280
1	-427.80	-491280

Covariance Matrix for the Log-Rank Statistics		
I_cens	0	1
0	88.7650	-88.7650
1	-88.7650	88.7650

Covariance Matrix for the Wilcoxon Statistics		
I_cens	0	1
0	1.3748E8	-1.375E8
1	-1.375E8	1.3748E8

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	2061.8069	1	<.0001
Wilcoxon	1755.5147	1	<.0001
-2Log(LR)*	1990.8839	1	<.0001

Warning: -2Log(LR) test is questionable since some strata have no events.

The SAS System

The LIFETEST Procedure

Life-Table Survival Curves

The SAS System

The LIFETEST Procedure

Stratum 1: I_black = 0

Life Table Survival Estimates											
Interval											
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
0	10	57	0	744.0	0.0766	0.00975	1.0000	0	0	.	.
10	20	65	0	687.0	0.0946	0.0112	0.9234	0.0766	0.00975	.	.
20	30	47	0	622.0	0.0756	0.0106	0.8360	0.1640	0.0136	.	.
30	40	28	0	575.0	0.0487	0.00898	0.7728	0.2272	0.0154	.	.
40	50	14	0	547.0	0.0256	0.00675	0.7352	0.2648	0.0162	.	.
50	60	17	0	533.0	0.0319	0.00761	0.7164	0.2836	0.0165	.	.
60	70	10	0	516.0	0.0194	0.00607	0.6935	0.3065	0.0169	.	.
70	80	4	439	286.5	0.0140	0.00693	0.6801	0.3199	0.0171	.	.
80	90	0	63	31.5	0	0	0.6706	0.3294	0.0175	.	.
90	.	0	0	0.0	0	0	0.6706	0.3294	0.0175	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00766	0.000975	0.007966	0.001054
10	20	0.00874	0.00104	0.009931	0.00123
20	30	0.00632	0.000892	0.007853	0.001145
30	40	0.00376	0.000698	0.004991	0.000943
40	50	0.00188	0.000498	0.002593	0.000693
50	60	0.00228	0.000548	0.003241	0.000786
60	70	0.00134	0.000422	0.001957	0.000619
70	80	0.000950	0.000472	0.001406	0.000703
80	90	0	.	0	.
90	.	.	.	.	.

The SAS System

The LIFETEST Procedure

Stratum 2: I_black = 1

Interval		Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
[Lower,	Upper)										
0	10	79	0	701.0	0.1127	0.0119	1.0000	0	0	.	.
10	20	81	0	622.0	0.1302	0.0135	0.8873	0.1127	0.0119	.	.
20	30	58	0	541.0	0.1072	0.0133	0.7718	0.2282	0.0159	.	.
30	40	26	0	483.0	0.0538	0.0103	0.6890	0.3110	0.0175	.	.
40	50	29	0	457.0	0.0635	0.0114	0.6519	0.3481	0.0180	.	.
50	60	20	0	428.0	0.0467	0.0102	0.6106	0.3894	0.0184	.	.
60	70	13	0	408.0	0.0319	0.00870	0.5820	0.4180	0.0186	.	.
70	80	4	337	226.5	0.0177	0.00875	0.5635	0.4365	0.0187	.	.
80	90	0	54	27.0	0	0	0.5535	0.4465	0.0191	.	.
90	.	0	0	0.0	0	0	0.5535	0.4465	0.0191	.	.

Life Table Survival Estimates

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.0113	0.00119	0.011943	0.001341
10	20	0.0116	0.00121	0.013929	0.001544
20	30	0.00827	0.00104	0.011328	0.001485
30	40	0.00371	0.000714	0.005532	0.001084
40	50	0.00414	0.000752	0.006554	0.001216
50	60	0.00285	0.000629	0.004785	0.00107
60	70	0.00185	0.000510	0.003238	0.000898
70	80	0.000995	0.000494	0.001782	0.000891
80	90	0	.	0	.
90	.	.	.	.	.

Summary of the Number of Censored and Uncensored Values					
Stratum	I_black	Total	Failed	Censored	Percent Censored
1	0	744	242	502	67.47
2	1	701	310	391	55.78
Total		1445	552	893	61.80

The SAS System
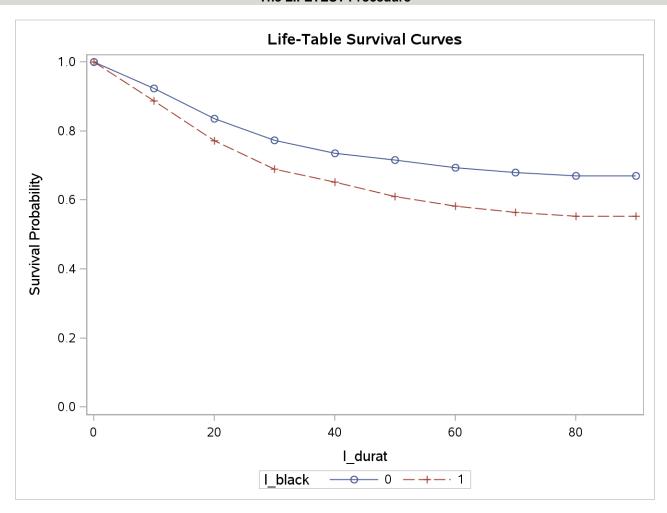
The LIFETEST Procedure

Testing Homogeneity of Survival Curves for l_durat over Strata

Rank Statistics		
l_black	Log-Rank	Wilcoxon
0	-53.154	-61063
1	53.154	61063

Covariance Matrix for the Log-Rank Statistics		
l_black	0	1
0	136.040	-136.040
1	-136.040	136.040

Covariance Matrix for the Wilcoxon Statistics		
l_black	0	1
0	1.908E8	-1.908E8
1	-1.908E8	1.908E8

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	20.7685	1	<.0001
Wilcoxon	19.5423	1	<.0001
-2Log(LR)	23.9017	1	<.0001

The SAS System

The LIFETEST Procedure

Life-Table Survival Curves

The SAS System

The LIFETEST Procedure

Stratum 1: I_drugs = 0

Life Table Survival Estimates											
Interval											
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
0	10	102	0	1096.0	0.0931	0.00878	1.0000	0	0	.	.
10	20	101	0	994.0	0.1016	0.00958	0.9069	0.0931	0.00878	.	.
20	30	79	0	893.0	0.0885	0.00950	0.8148	0.1852	0.0117	.	.
30	40	36	0	814.0	0.0442	0.00721	0.7427	0.2573	0.0132	.	.
40	50	35	0	778.0	0.0450	0.00743	0.7099	0.2901	0.0137	.	.
50	60	26	0	743.0	0.0350	0.00674	0.6779	0.3221	0.0141	.	.
60	70	19	0	717.0	0.0265	0.00600	0.6542	0.3458	0.0144	.	.
70	80	6	609	393.5	0.0152	0.00618	0.6369	0.3631	0.0145	.	.
80	90	0	83	41.5	0	0	0.6272	0.3728	0.0148	.	.
90	.	0	0	0.0	0	0	0.6272	0.3728	0.0148	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00931	0.000878	0.009761	0.000965
10	20	0.00922	0.000874	0.010705	0.001064
20	30	0.00721	0.000781	0.009256	0.00104
30	40	0.00328	0.000538	0.004523	0.000754
40	50	0.00319	0.000531	0.004602	0.000778
50	60	0.00237	0.000460	0.003562	0.000698
60	70	0.00173	0.000394	0.002686	0.000616
70	80	0.000971	0.000394	0.001536	0.000627
80	90	0	.	0	.
90	.	.	.	.	.

The SAS System

The LIFETEST Procedure

Stratum 2: l_drugs = 1

Interval		Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
[Lower,	Upper)										
0	10	34	0	349.0	0.0974	0.0159	1.0000	0	0	.	.
10	20	45	0	315.0	0.1429	0.0197	0.9026	0.0974	0.0159	.	.
20	30	26	0	270.0	0.0963	0.0180	0.7736	0.2264	0.0224	.	.
30	40	18	0	244.0	0.0738	0.0167	0.6991	0.3009	0.0245	.	.
40	50	8	0	226.0	0.0354	0.0123	0.6476	0.3524	0.0256	.	.
50	60	11	0	218.0	0.0505	0.0148	0.6246	0.3754	0.0259	.	.
60	70	4	0	207.0	0.0193	0.00957	0.5931	0.4069	0.0263	.	.
70	80	2	167	119.5	0.0167	0.0117	0.5817	0.4183	0.0264	.	.
80	90	0	34	17.0	0	0	0.5719	0.4281	0.0268	.	.
90	.	0	0	0.0	0	0	0.5719	0.4281	0.0268	.	.

Life Table Survival Estimates

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00974	0.00159	0.010241	0.001754
10	20	0.0129	0.00179	0.015385	0.002287
20	30	0.00745	0.00141	0.010117	0.001982
30	40	0.00516	0.00118	0.00766	0.001804
40	50	0.00229	0.000801	0.003604	0.001274
50	60	0.00315	0.000935	0.005176	0.00156
60	70	0.00115	0.000570	0.001951	0.000976
70	80	0.000973	0.000684	0.001688	0.001193
80	90	0	.	0	.
90	.	.	.	.	.

Summary of the Number of Censored and Uncensored Values

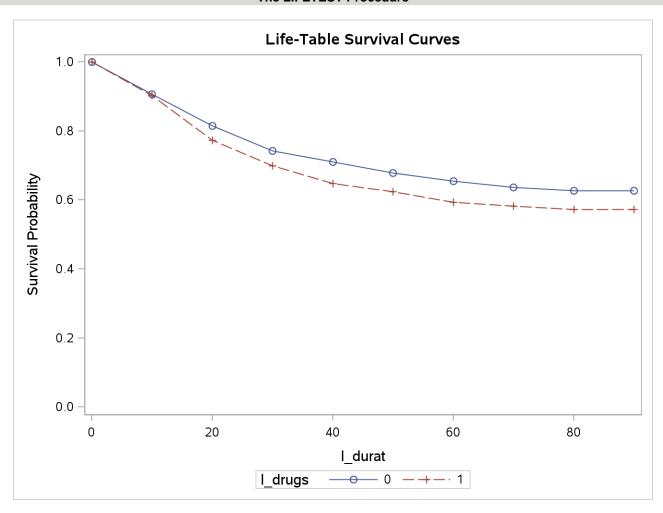| Stratum	l_drugs	Total	Failed	Censored	Percent Censored
1	0	1096	404	692	63.14
2	1	349	148	201	57.59
Total		1445	552	893	61.80

The SAS System

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for I_durat over Strata

Rank Statistics		
I_drugs	Log-Rank	Wilcoxon
0	-18.579	-21341
1	18.579	21341

Covariance Matrix for the Log-Rank Statistics		
I_drugs	0	1
0	98.1840	-98.1840
1	-98.1840	98.1840

Covariance Matrix for the Wilcoxon Statistics		
I_drugs	0	1
0	1.3816E8	-1.382E8
1	-1.382E8	1.3816E8

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	3.5157	1	0.0608
Wilcoxon	3.2965	1	0.0694
-2Log(LR)	3.6862	1	0.0549

The SAS System

The LIFETEST Procedure

Life-Table Survival Curves

The SAS System

The LIFETEST Procedure

Stratum 1: l_workprg = 0

Life Table Survival Estimates											
Interval						Conditional Probability			Survival	Median	Median
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Standard Error	Survival	Failure	Standard Error	Residual Lifetime	Standard Error
0	10	73	0	773.0	0.0944	0.0105	1.0000	0	0	.	.
10	20	81	0	700.0	0.1157	0.0121	0.9056	0.0944	0.0105	.	.
20	30	54	0	619.0	0.0872	0.0113	0.8008	0.1992	0.0144	.	.
30	40	26	0	565.0	0.0460	0.00881	0.7309	0.2691	0.0160	.	.
40	50	21	0	539.0	0.0390	0.00833	0.6973	0.3027	0.0165	.	.
50	60	18	0	518.0	0.0347	0.00805	0.6701	0.3299	0.0169	.	.
60	70	13	0	500.0	0.0260	0.00712	0.6468	0.3532	0.0172	.	.
70	80	3	421	276.5	0.0108	0.00623	0.6300	0.3700	0.0174	.	.
80	90	0	63	31.5	0	0	0.6232	0.3768	0.0176	.	.
90	.	0	0	0.0	0	0	0.6232	0.3768	0.0176	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00944	0.00105	0.009912	0.001159
10	20	0.0105	0.00110	0.012282	0.001362
20	30	0.00699	0.000917	0.009122	0.00124
30	40	0.00336	0.000648	0.00471	0.000923
40	50	0.00272	0.000585	0.003974	0.000867
50	60	0.00233	0.000542	0.003536	0.000833
60	70	0.00168	0.000462	0.002634	0.000731
70	80	0.000684	0.000393	0.001091	0.00063
80	90	0	.	0	.
90	.	.	.	.	.

The SAS System

The LIFETEST Procedure

Stratum 2: l_workprg = 1

Life Table Survival Estimates											
Interval						Conditional Probability				Median	Median
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Standard Error	Survival	Failure	Survival Standard Error	Residual Lifetime	Standard Error
0	10	63	0	672.0	0.0938	0.0112	1.0000	0	0	.	.
10	20	65	0	609.0	0.1067	0.0125	0.9063	0.0938	0.0112	.	.
20	30	51	0	544.0	0.0938	0.0125	0.8095	0.1905	0.0151	.	.
30	40	28	0	493.0	0.0568	0.0104	0.7336	0.2664	0.0171	.	.
40	50	22	0	465.0	0.0473	0.00985	0.6920	0.3080	0.0178	.	.
50	60	19	0	443.0	0.0429	0.00963	0.6592	0.3408	0.0183	.	.
60	70	10	0	424.0	0.0236	0.00737	0.6310	0.3690	0.0186	.	.
70	80	5	355	236.5	0.0211	0.00935	0.6161	0.3839	0.0188	.	.
80	90	0	54	27.0	0	0	0.6030	0.3970	0.0192	.	.
90	.	0	0	0.0	0	0	0.6030	0.3970	0.0192	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00938	0.00112	0.009836	0.001238
10	20	0.00967	0.00114	0.011275	0.001396
20	30	0.00759	0.00102	0.009836	0.001376
30	40	0.00417	0.000771	0.005846	0.001104
40	50	0.00327	0.000686	0.004846	0.001033
50	60	0.00283	0.000639	0.004383	0.001005
60	70	0.00149	0.000467	0.002387	0.000755
70	80	0.00130	0.000578	0.002137	0.000956
80	90	0	.	0	.
90	.	.	.	.	.

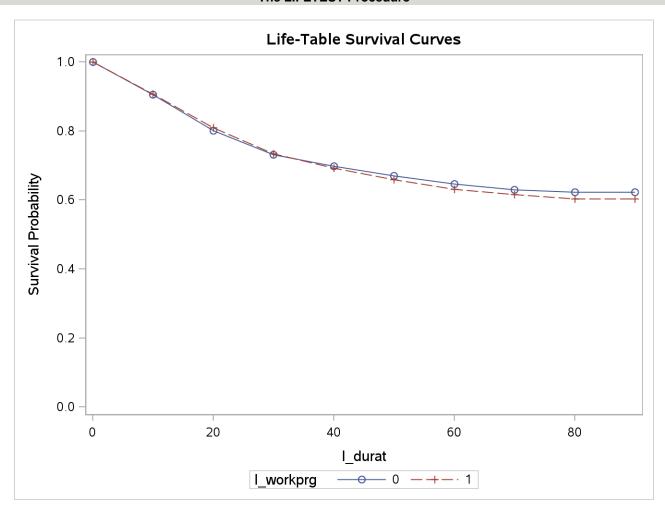| Summary of the Number of Censored and Uncensored Values					
Stratum	l_workprg	Total	Failed	Censored	Percent Censored
1	0	773	289	484	62.61
2	1	672	263	409	60.86
Total		1445	552	893	61.80

The SAS System

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for l_durat over Strata

Rank Statistics		
l_workprg	Log-Rank	Wilcoxon
0	-6.2755	-5686.0
1	6.2755	5686.0

Covariance Matrix for the Log-Rank Statistics		
l_workprg	0	1
0	136.128	-136.128
1	-136.128	136.128

Covariance Matrix for the Wilcoxon Statistics		
l_workprg	0	1
0	1.9073E8	-1.907E8
1	-1.907E8	1.9073E8

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	0.2893	1	0.5907
Wilcoxon	0.1695	1	0.6805
-2Log(LR)	0.3179	1	0.5729

The SAS System

The LIFETEST Procedure

Life-Table Survival Curves

The SAS System

The LIFETEST Procedure

Stratum 1: l_felon = 0

Life Table Survival Estimates											
Interval										Median	Median
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Residual Lifetime	Standard Error
0	10	92	0	991.0	0.0928	0.00922	1.0000	0	0	.	.
10	20	91	0	899.0	0.1012	0.0101	0.9072	0.0928	0.00922	.	.
20	30	77	0	808.0	0.0953	0.0103	0.8153	0.1847	0.0123	.	.
30	40	39	0	731.0	0.0534	0.00831	0.7376	0.2624	0.0140	.	.
40	50	30	0	692.0	0.0434	0.00774	0.6983	0.3017	0.0146	.	.
50	60	26	0	662.0	0.0393	0.00755	0.6680	0.3320	0.0150	.	.
60	70	15	0	636.0	0.0236	0.00602	0.6418	0.3582	0.0152	.	.
70	80	7	532	355.0	0.0197	0.00738	0.6266	0.3734	0.0154	.	.
80	90	0	82	41.0	0	0	0.6143	0.3857	0.0158	.	.
90	.	0	0	0.0	0	0	0.6143	0.3857	0.0158	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00928	0.000922	0.009735	0.001014
10	20	0.00918	0.000917	0.010662	0.001116
20	30	0.00777	0.000850	0.010006	0.001139
30	40	0.00394	0.000618	0.005481	0.000877
40	50	0.00303	0.000544	0.004431	0.000809
50	60	0.00262	0.000508	0.004006	0.000786
60	70	0.00151	0.000388	0.002387	0.000616
70	80	0.00124	0.000463	0.001991	0.000753
80	90	0	.	0	.
90	.	.	.	.	.

The SAS System

The LIFETEST Procedure

Stratum 2: I_felon = 1

Interval						Conditional Probability						
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
0	10	44	0	454.0	0.0969	0.0139	1.0000	0	0	.	.
10	20	55	0	410.0	0.1341	0.0168	0.9031	0.0969	0.0139	.	.
20	30	28	0	355.0	0.0789	0.0143	0.7819	0.2181	0.0194	.	.
30	40	15	0	327.0	0.0459	0.0116	0.7203	0.2797	0.0211	.	.
40	50	13	0	312.0	0.0417	0.0113	0.6872	0.3128	0.0218	.	.
50	60	11	0	299.0	0.0368	0.0109	0.6586	0.3414	0.0223	.	.
60	70	8	0	288.0	0.0278	0.00968	0.6344	0.3656	0.0226	.	.
70	80	1	244	158.0	0.00633	0.00631	0.6167	0.3833	0.0228	.	.
80	90	0	35	17.5	0	0	0.6128	0.3872	0.0230	.	.
90	.	0	0	0.0	0	0	0.6128	0.3872	0.0230	.	.

Life Table Survival Estimates

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00969	0.00139	0.010185	0.001533
10	20	0.0121	0.00153	0.014379	0.001934
20	30	0.00617	0.00113	0.008211	0.00155
30	40	0.00330	0.000839	0.004695	0.001212
40	50	0.00286	0.000783	0.004255	0.00118
50	60	0.00242	0.000722	0.003748	0.00113
60	70	0.00176	0.000617	0.002817	0.000996
70	80	0.000390	0.000389	0.000635	0.000635
80	90	0	.	0	.
90	.	.	.	.	.

Summary of the Number of Censored and Uncensored Values					
Stratum	I_felon	Total	Failed	Censored	Percent Censored
1	0	991	377	614	61.96
2	1	454	175	279	61.45
Total		1445	552	893	61.80

The SAS System

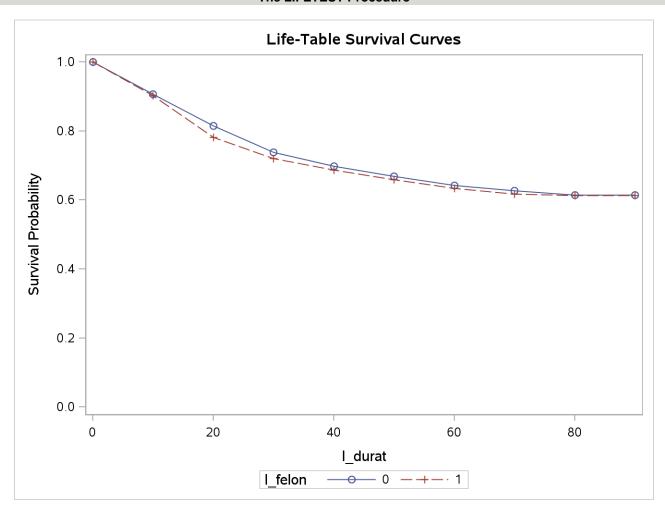## The LIFETEST Procedure

Testing Homogeneity of Survival Curves for l_durat over Strata

Rank Statistics		
l_felon	Log-Rank	Wilcoxon
0	-3.3812	-5625.0
1	3.3812	5625.0

Covariance Matrix for the Log-Rank Statistics		
l_felon	0	1
0	117.225	-117.225
1	-117.225	117.225

Covariance Matrix for the Wilcoxon Statistics		
l_felon	0	1
0	1.6437E8	-1.644E8
1	-1.644E8	1.6437E8

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	0.0975	1	0.7548
Wilcoxon	0.1925	1	0.6608
-2Log(LR)	0.1017	1	0.7498

The SAS System

The LIFETEST Procedure

Life-Table Survival Curves

The SAS System

The LIFETEST Procedure

Stratum 1: l_alcohol = 0

Life Table Survival Estimates											
Interval				Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
[Lower,	Upper)	Number Failed	Number Censored								
0	10	98	0	1142.0	0.0858	0.00829	1.0000	0	0	.	.
10	20	110	0	1044.0	0.1054	0.00950	0.9142	0.0858	0.00829	.	.
20	30	82	0	934.0	0.0878	0.00926	0.8179	0.1821	0.0114	.	.
30	40	43	0	852.0	0.0505	0.00750	0.7461	0.2539	0.0129	.	.
40	50	34	0	809.0	0.0420	0.00705	0.7084	0.2916	0.0134	.	.
50	60	31	0	775.0	0.0400	0.00704	0.6786	0.3214	0.0138	.	.
60	70	16	0	744.0	0.0215	0.00532	0.6515	0.3485	0.0141	.	.
70	80	6	614	421.0	0.0143	0.00578	0.6375	0.3625	0.0142	.	.
80	90	0	108	54.0	0	0	0.6284	0.3716	0.0145	.	.
90	.	0	0	0.0	0	0	0.6284	0.3716	0.0145	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.00858	0.000829	0.008966	0.000905
10	20	0.00963	0.000873	0.011122	0.001059
20	30	0.00718	0.000764	0.009183	0.001013
30	40	0.00377	0.000563	0.005178	0.000789
40	50	0.00298	0.000503	0.004293	0.000736
50	60	0.00271	0.000481	0.004082	0.000733
60	70	0.00140	0.000348	0.002174	0.000543
70	80	0.000909	0.000369	0.001435	0.000586
80	90	0	.	0	.
90	.	.	.	.	.

The SAS System

The LIFETEST Procedure

Stratum 2: I_alcohol = 1

Life Table Survival Estimates											
Interval											
[Lower,	Upper)	Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error
0	10	38	0	303.0	0.1254	0.0190	1.0000	0	0	.	.
10	20	36	0	265.0	0.1358	0.0210	0.8746	0.1254	0.0190	.	.
20	30	23	0	229.0	0.1004	0.0199	0.7558	0.2442	0.0247	.	.
30	40	11	0	206.0	0.0534	0.0157	0.6799	0.3201	0.0268	.	.
40	50	9	0	195.0	0.0462	0.0150	0.6436	0.3564	0.0275	.	.
50	60	6	0	186.0	0.0323	0.0130	0.6139	0.3861	0.0280	.	.
60	70	7	0	180.0	0.0389	0.0144	0.5941	0.4059	0.0282	.	.
70	80	2	162	92.0	0.0217	0.0152	0.5710	0.4290	0.0284	.	.
80	90	0	9	4.5	0	0	0.5585	0.4415	0.0291	.	.
90	.	0	0	0.0	0	0	0.5585	0.4415	0.0291	.	.

Interval		Evaluated at the Midpoint of the Interval			
[Lower,	Upper)	PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	10	0.0125	0.00190	0.01338	0.002166
10	20	0.0119	0.00186	0.014575	0.002423
20	30	0.00759	0.00152	0.010575	0.002202
30	40	0.00363	0.00107	0.005486	0.001654
40	50	0.00297	0.000975	0.004724	0.001574
50	60	0.00198	0.000800	0.003279	0.001338
60	70	0.00231	0.000863	0.003966	0.001499
70	80	0.00124	0.000870	0.002198	0.001554
80	90	0	.	0	.
90	.	.	.	.	.

Summary of the Number of Censored and Uncensored Values					
Stratum	I_alcohol	Total	Failed	Censored	Percent Censored
1	0	1142	420	722	63.22
2	1	303	132	171	56.44
Total		1445	552	893	61.80

The SAS System

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for I_durat over Strata

Rank Statistics		
I_alcohol	Log-Rank	Wilcoxon
0	-22.912	-29392
1	22.912	29392

Covariance Matrix for the Log-Rank Statistics		
I_alcohol	0	1
0	86.7343	-86.7343
1	-86.7343	86.7343

Covariance Matrix for the Wilcoxon Statistics		
I_alcohol	0	1
0	1.2227E8	-1.223E8
1	-1.223E8	1.2227E8

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	6.0527	1	0.0139
Wilcoxon	7.0653	1	0.0079
-2Log(LR)	6.9720	1	0.0083

The SAS System

The LIFETEST Procedure

Life-Table Survival Curves