

## The LIFETEST Procedure

Stratum 1: group = Acute Lymphoblastic Leukemia

Product-Limit Survival Estimates					
Days	Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.000	1.0000	0	0	0	23
55.000	0.9565	0.0435	0.0425	1	22
74.000	0.9130	0.0870	0.0588	2	21
86.000	0.8696	0.1304	0.0702	3	20
104.000	0.8261	0.1739	0.0790	4	19
107.000	0.7826	0.2174	0.0860	5	18
109.000	0.7391	0.2609	0.0916	6	17
110.000	0.6957	0.3043	0.0959	7	16
122.000	.	.	.	8	15
122.000	0.6087	0.3913	0.1018	9	14
129.000	0.5652	0.4348	0.1034	10	13
172.000	0.5217	0.4783	0.1042	11	12
192.000	0.4783	0.5217	0.1042	12	11
194.000	0.4348	0.5652	0.1034	13	10
226.000	*	.	.	13	9
230.000	0.3865	0.6135	0.1026	14	8
276.000	0.3382	0.6618	0.1005	15	7
332.000	0.2899	0.7101	0.0970	16	6
383.000	0.2415	0.7585	0.0921	17	5
418.000	0.1932	0.8068	0.0854	18	4
466.000	0.1449	0.8551	0.0765	19	3
487.000	0.0966	0.9034	0.0645	20	2
526.000	0.0483	0.9517	0.0470	21	1
530.000	*	0.0483	.	21	0

Note: The marked survival times are censored observations.

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#### Summary Statistics for Time Variable Days

Quartile Estimates				
Percent	Point Estimate	95% Confidence Interval		
		Transform	[Lower	Upper)
75	383.000	LOGLOG	194.000	526.000
50	192.000	LOGLOG	110.000	332.000
25	109.000	LOGLOG	55.000	129.000

Mean	Standard Error
244.560	34.254

**Note:** The mean survival time and its standard error were underestimated because the largest observation was censored and the estimation was restricted to the largest event time.

## The LIFETEST Procedure

Stratum 2: group = Acute Myelocytic Leukemia I

Product-Limit Survival Estimates					
Days	Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.000	1.0000	0	0	0	18
10.000	0.9444	0.0556	0.0540	1	17
35.000	0.8889	0.1111	0.0741	2	16
48.000	0.8333	0.1667	0.0878	3	15
53.000	0.7778	0.2222	0.0980	4	14
79.000	0.7222	0.2778	0.1056	5	13
80.000	0.6667	0.3333	0.1111	6	12
105.000	0.6111	0.3889	0.1149	7	11
211.000	0.5556	0.4444	0.1171	8	10
219.000	0.5000	0.5000	0.1179	9	9
248.000	0.4444	0.5556	0.1171	10	8
272.000	0.3889	0.6111	0.1149	11	7
288.000	0.3333	0.6667	0.1111	12	6
381.000	0.2778	0.7222	0.1056	13	5
390.000	0.2222	0.7778	0.0980	14	4
414.000	0.1667	0.8333	0.0878	15	3
421.000	0.1111	0.8889	0.0741	16	2
481.000	0.0556	0.9444	0.0540	17	1
486.000	0	1.0000	0	18	0

## Summary Statistics for Time Variable Days

Quartile Estimates				
Percent	Point Estimate	95% Confidence Interval		
		Transform	[Lower	Upper)
75	390.000	LOGLOG	248.000	481.000
50	233.500	LOGLOG	79.000	381.000
25	79.000	LOGLOG	10.000	211.000

Mean	Standard Error
234.500	38.967

## The LIFETEST Procedure

Stratum 3: group = Acute Myelocytic Leukemia II

Product-Limit Survival Estimates					
Days	Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.000	1.0000	0	0	0	31
16.000	0.9677	0.0323	0.0317	1	30
32.000	0.9355	0.0645	0.0441	2	29
47.000	.	.	.	3	28
47.000	0.8710	0.1290	0.0602	4	27
48.000	0.8387	0.1613	0.0661	5	26
63.000	0.8065	0.1935	0.0710	6	25
64.000	0.7742	0.2258	0.0751	7	24
74.000	0.7419	0.2581	0.0786	8	23
76.000	0.7097	0.2903	0.0815	9	22
80.000	0.6774	0.3226	0.0840	10	21
84.000	0.6452	0.3548	0.0859	11	20
93.000	0.6129	0.3871	0.0875	12	19
100.000	0.5806	0.4194	0.0886	13	18
105.000	0.5484	0.4516	0.0894	14	17
113.000	0.5161	0.4839	0.0898	15	16
115.000	0.4839	0.5161	0.0898	16	15
120.000	0.4516	0.5484	0.0894	17	14
157.000	0.4194	0.5806	0.0886	18	13
162.000	0.3871	0.6129	0.0875	19	12
164.000	0.3548	0.6452	0.0859	20	11
168.000	0.3226	0.6774	0.0840	21	10
183.000	0.2903	0.7097	0.0815	22	9
242.000	0.2581	0.7419	0.0786	23	8
268.000	0.2258	0.7742	0.0751	24	7
273.000	0.1935	0.8065	0.0710	25	6
318.000	0.1613	0.8387	0.0661	26	5
363.000	0.1290	0.8710	0.0602	27	4
390.000	0.0968	0.9032	0.0531	28	3
422.000	0.0645	0.9355	0.0441	29	2

## The LIFETEST Procedure

Stratum 3: group = Acute Myelocytic Leukemia II

Product-Limit Survival Estimates					
Days	Survival	Failure	Survival Standard Error	Number Failed	Number Left
456.00 0	0.0323	0.9677	0.0317	30	1
467.00 0	0	1.0000	0	31	0

## Summary Statistics for Time Variable Days

Quartile Estimates				
Percent	Point Estimate	95% Confidence Interval		
		Transform	[Lower	Upper)
75	268.000	LOGLOG	157.000	390.000
50	115.000	LOGLOG	80.000	168.000
25	74.000	LOGLOG	47.000	100.000

Mean	Standard Error
171.29 0	23.981

Summary of the Number of Censored and Uncensored Values					
Stratum	group	Total	Failed	Censored	Percent Censored
1	Acute Lymphoblastic Leukemia	23	21	2	8.70
2	Acute Myelocytic Leukemia I	18	18	0	0.00
3	Acute Myelocytic Leukemia II	31	31	0	0.00
<b>Total</b>		72	70	2	2.78

## The LIFETEST Procedure

## Testing Homogeneity of Survival Curves for Days over Strata

Rank Statistics		
group	Log-Rank	Wilcoxon
Acute Lymphoblastic Leukemia	-7.0528	-270.00
Acute Myelocytic Leukemia I	-1.2802	-67.00
Acute Myelocytic Leukemia II	8.3329	337.00

Covariance Matrix for the Log-Rank Statistics			
group	Acute Lymphoblastic Leukemia	Acute Myelocytic Leukemia I	Acute Myelocytic Leukemia II
Acute Lymphoblastic Leukemia	15.6753	-7.3443	-8.3310
Acute Myelocytic Leukemia I	-7.3443	13.5643	-6.2200
Acute Myelocytic Leukemia II	-8.3310	-6.2200	14.5510

Covariance Matrix for the Wilcoxon Statistics			
group	Acute Lymphoblastic Leukemia	Acute Myelocytic Leukemia I	Acute Myelocytic Leukemia II
Acute Lymphoblastic Leukemia	29029.9	-11481.2	-17548.8
Acute Myelocytic Leukemia I	-11481.2	23661.5	-12180.3
Acute Myelocytic Leukemia II	-17548.8	-12180.3	29729.0

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	5.2495	2	0.0725
Wilcoxon	4.0907	2	0.1293
-2Log (LR)	2.4176	2	0.2985

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