The LIFETEST Procedure

	Product-Limit Survival Estimates								
dur		Survival	Failure	Survival Standard Error	Number Failed	Number Left			
0.00000		1.0000	0	0	0	10			
2.00000					1	9			
2.00000		0.8000	0.2000	0.1265	2	8			
3.00000		0.7000	0.3000	0.1449	3	7			
3.00000	*				3	6			
5.00000					4	5			
5.00000					5	4			
5.00000		0.3500	0.6500	0.1602	6	3			
5.00000	*				6	2			
6.00000		0.1750	0.8250	0.1474	7	1			
6.00000	*	0.1750	0.8250		7	0			

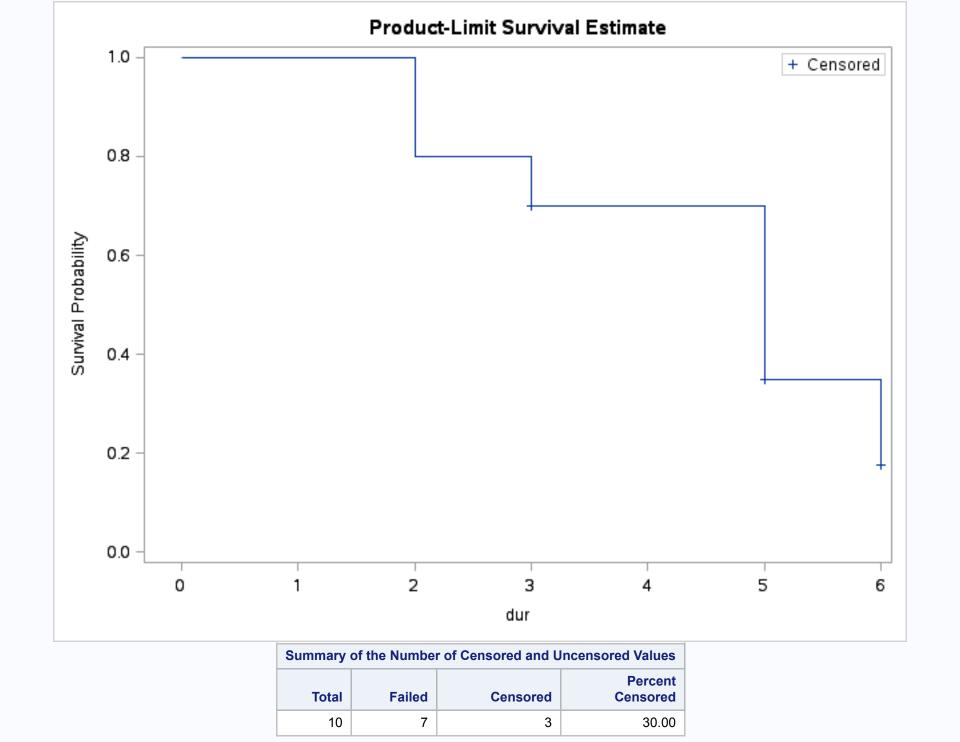
Note: The marked survival times are censored observations.

Summary Statistics for Time Variable dur

Quartile Estimates							
	Point	95% Coi	nfidence Interval				
Percent	Estimate	Transform	[Lower	Upper)			
75	6.00000	LOGLOG	5.00000				
50	5.00000	LOGLOG	2.00000				
25	3.00000	LOGLOG	2.00000	5.00000			

Mean	Standard Error
4.55000	0.52657

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 1: Treatment = 1

	Product-Limit Survival Estimates									
Days		Survival	Failure	Survival Standard Error	Number Failed	Number Left				
0.00		1.0000	0	0	0	158				
41.00		0.9937	0.00633	0.00631	1	157				
71.00		0.9873	0.0127	0.00889	2	156				
131.00		0.9810	0.0190	0.0109	3	155				
140.00		0.9747	0.0253	0.0125	4	154				
179.00		0.9684	0.0316	0.0139	5	153				
198.00		0.9620	0.0380	0.0152	6	152				
223.00		0.9557	0.0443	0.0164	7	151				
334.00		0.9494	0.0506	0.0174	8	150				
348.00		0.9430	0.0570	0.0184	9	149				
388.00		0.9367	0.0633	0.0194	10	148				
400.00		0.9304	0.0696	0.0202	11	147				
515.00		0.9241	0.0759	0.0211	12	146				

533.00	*				12	145
673.00		0.9177	0.0823	0.0219	13	144
694.00		0.9113	0.0887	0.0226	14	143
732.00	*		0.0007	0.0220	14	142
737.00	*		•		14	141
750.00		0.9048	0.0952	0.0234	15	140
762.00		0.8984	0.1016	0.0241	16	139
799.00		0.8919	0.1010	0.0248	17	138
824.00		0.8855	0.1145	0.0254	18	137
839.00	*		0.1140	0.0204	18	136
877.00	*	•	•		18	135
901.00	*	•	•		18	134
904.00		0.8788	0.1212	0.0261	19	133
939.00	*		0.1212	0.0201	19	132
971.00		0.8722	0.1278	0.0267	20	131
980.00		0.8655	0.1270	0.0273	21	130
999.00		0.8589	0.1345	0.0273	22	129
1000.00		0.8522	0.1411	0.0279	23	128
1012.00		0.8456	0.1544	0.0290	24	127
1037.00		0.8389	0.1611	0.0295	25	126
1077.00		0.8322	0.1678	0.0301	26	125
1083.00		0.8256	0.1744	0.0305	27	124
1152.00		0.8189	0.1744	0.0310	28	123
1153.00	*	0.0109	0.1011	0.0310	28	122
1170.00		0.8122	0.1878	0.0315	29	121
1191.00			0.1070	0.0313	30	120
1191.00		0.7988	0.2012	0.0324	31	119
1230.00	*		0.2012	0.0024	31	118
1234.00	*	•	•		31	117
1235.00		0.7920	0.2080	0.0328	32	116
1271.00	*	0.7320	0.2000	0.0020	32	115
1293.00	*		•		32	114
1297.00		0.7850	0.2150	0.0332	33	113
1302.00	*		0.2100	0.0002	33	112
1349.00	*			<u> </u>	33	111
1350.00		0.7779	0.2221	0.0337	34	110
1360.00		0.7709	0.2291	0.0341	35	109
1363.00	*		0.2201	0.0041	35	108
1401.00	*				35	107
1408.00	*		•		35	106
1412.00	*		•	·	35	105
1434.00		0.7635	0.2365	0.0346	36	103
1435.00	*	3.7 333	0.2000	0.0040	36	103
1447.00	*			<u> </u>	36	103
1457.00	*			<u> </u>	36	102
1481.00	*			•	36	100
1492.00		0.7559	0.2441	0.0350	37	99
		3.7000	J.2771	0.0000		
1525.00	*				37	98

1568.00	*				37	97
1576.00		0.7481	0.2519	0.0355	38	96
1592.00	*				38	95
1614.00	*				38	94
1614.00	*				38	93
1657.00		0.7401	0.2599	0.0361	39	92
1682.00		0.7320	0.2680	0.0366	40	91
1690.00					41	90
1690.00		0.7159	0.2841	0.0375	42	89
1701.00	*				42	88
1702.00	*				42	87
1741.00		0.7077	0.2923	0.0379	43	86
1765.00	*				43	85
1770.00	*				43	84
1783.00	*				43	83
1810.00	*				43	82
1827.00		0.6991	0.3009	0.0384	44	81
1831.00	*				44	80
1882.00	*				44	79
1908.00	*				44	78
1925.00		0.6901	0.3099	0.0390	45	77
1932.00	*				45	76
1945.00	*				45	75
1951.00	*				45	74
2022.00	*				45	73
2033.00	*				45	72
2055.00		0.6805	0.3195	0.0396	46	71
2081.00		0.6709	0.3291	0.0402	47	70
2105.00		0.6613	0.3387	0.0407	48	69
2168.00	*				48	68
2170.00	*				48	67
2171.00	*				48	66
2178.00	*				48	65
2224.00		0.6512	0.3488	0.0414	49	64
2255.00	*				49	63
2256.00		0.6408	0.3592	0.0420	50	62
2272.00	*				50	61
2288.00		0.6303	0.3697	0.0426	51	60
2297.00		0.6198	0.3802	0.0432	52	59
2330.00	*				52	58
2332.00	*				52	57
2350.00	*				52	56
2363.00	*				52	55
2365.00	*				52	54
2386.00		0.6083	0.3917	0.0439	53	53
2400.00		0.5969	0.4031	0.0445	54	52
2443.00	*				54	51
2449.00	*				54	50

2475.00	*				E4	40
2475.00	*	•	•	•	54	49
2504.00 2527.00	*	•	•	•	54	48
		0.5040		. 0.0452	54	47
2540.00	*	0.5842	0.4158	0.0453	55	46
2555.00	*				55	45
2556.00		•	•		55	44
2574.00	*	•		•	55	43
2580.00	*	•	•	•	55	42
2583.00		0.5703	0.4297	0.0463	56	41
2598.00		0.5564	0.4436	0.0472	57	40
2644.00	*				57	39
2657.00	*				57	38
2689.00		0.5417	0.4583	0.0482	58	37
2692.00	*				58	36
2863.00	*			·	58	35
2870.00	*				58	34
2944.00	*				58	33
2990.00	*				58	32
2995.00	*				58	31
3050.00	*				58	30
3059.00	*				58	29
3069.00	*				58	28
3086.00		0.5224	0.4776	0.0502	59	27
3098.00	*				59	26
3099.00	*				59	25
3150.00	*				59	24
3222.00		0.5006	0.4994	0.0526	60	23
3239.00	*				60	22
3282.00		0.4778	0.5222	0.0549	61	21
3297.00	*				61	20
3336.00	*				61	19
3458.00	*				61	18
3574.00		0.4513	0.5487	0.0580	62	17
3584.00		0.4247	0.5753	0.0603	63	16
3707.00	*				63	15
3823.00	*				63	14
3850.00	*				63	13
3913.00	*				63	12
3933.00	*				63	11
3992.00	*				63	10
4039.00	*				63	9
4050.00	*				63	8
4079.00		0.3717	0.6283	0.0725	64	7
4191.00		0.3186	0.6814	0.0792	65	6
4232.00	*				65	5
4365.00	*				65	4
4459.00	*				65	3
4467.00	*				65	
4407.00	<u>.</u>			·	05	2

4500.00	*			65	1
4556.00	*	0.3186	0.6814	65	0

Note: The marked survival times are censored observations.

Summary Statistics for Time Variable Days

Quartile Estimates							
	Point	95% Coi	fidence Interval				
Percent	Estimate	Transform	[Lower	Upper)			
75		LOGLOG	4079.00				
50	3282.00	LOGLOG	2540.00	4191.00			
25	1576.00	LOGLOG	1152.00	2081.00			

Mean	Standard Error
2833.04	126.91

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: Treatment = 2

Stratum 2: Treatment = 2									
Product-Limit Survival Estimates									
Days	Survival	Failure	Survival Standard Error	Number Failed	Number Left				
0.00	1.0000	0	0	0	154				
51.00	0.9935	0.00649	0.00647	1	153				
77.00	0.9870	0.0130	0.00912	2	152				
110.00	0.9805	0.0195	0.0111	3	151				
130.00	0.9740	0.0260	0.0128	4	150				
186.00	0.9675	0.0325	0.0143	5	149				
191.00	0.9610	0.0390	0.0156	6	148				
207.00	0.9545	0.0455	0.0168	7	147				
216.00	0.9481	0.0519	0.0179	8	146				
264.00				9	145				
264.00	0.9351	0.0649	0.0199	10	144				
304.00	0.9286	0.0714	0.0208	11	143				
321.00	0.9221	0.0779	0.0216	12	142				
326.00	0.9156	0.0844	0.0224	13	141				
460.00	0.9091	0.0909	0.0232	14	140				
549.00	0.9026	0.0974	0.0239	15	139				
552.00	0.8961	0.1039	0.0246	16	138				
597.00	0.8896	0.1104	0.0253	17	137				
611.00	0.8831	0.1169	0.0259	18	136				
708.00	0.8766	0.1234	0.0265	19	135				
733.00	0.8701	0.1299	0.0271	20	134				
769.00	0.8636	0.1364	0.0277	21	133				
786.00	0.8571	0.1429	0.0282	22	132				
788.00 *				22	131				
790.00	0.8506	0.1494	0.0287	23	130				

707.00		0.0444	0.4550	0.0202	24	100
797.00	*	0.8441	0.1559	0.0292	24	129
837.00		. 0.075			24	128
850.00		0.8375	0.1625	0.0298	25	127
853.00		0.8309	0.1691	0.0302	26	126
859.00		0.8243	0.1757	0.0307	27	125
890.00		0.8177	0.1823	0.0312	28	124
930.00		0.8111	0.1889	0.0316	29	123
943.00		0.8045	0.1955	0.0320	30	122
974.00		0.7979	0.2021	0.0324	31	121
994.00	*		•	·	31	120
1030.00	*		•		31	119
1067.00	*		•		31	118
1080.00		0.7911	0.2089	0.0329	32	117
1084.00	*				32	116
1149.00	*				32	115
1165.00		0.7843	0.2157	0.0333	33	114
1212.00		0.7774	0.2226	0.0337	34	113
1216.00	*				34	112
1216.00	*				34	111
1217.00		0.7704	0.2296	0.0341	35	110
1250.00	*				35	109
1295.00	*				35	108
1300.00	*				35	107
1301.00	*				35	106
1320.00	*				35	105
1321.00	*				35	104
1329.00	*				35	103
1356.00		0.7629	0.2371	0.0346	36	102
1363.00	*				36	101
1413.00		0.7553	0.2447	0.0351	37	100
1418.00	*				37	99
1420.00	*				37	98
1427.00		0.7476	0.2524	0.0355	38	97
1433.00	*				38	96
1434.00	*				38	95
1444.00		0.7398	0.2602	0.0360	39	94
1455.00	*				39	93
1487.00		0.7318	0.2682	0.0365	40	92
1504.00	*				40	91
1536.00		0.7238	0.2762	0.0370	41	90
1542.00	*				41	89
1558.00	*				41	88
1569.00	*				41	87
1615.00	*				41	86
1656.00	*				41	85
1666.00	*				41	84
1677.00	*				41	83
1735.00	*				41	82
. 7 00.00				·	771	UZ

1776.00 * 41 1785.00 * . . .41 1786.00 0.7146 0.2854 0.0376 .42 1790.00 * . . .42 1832.00 * . . .42 1847.00 0.7052 0.2948 0.0383 .43 1874.00 * . . .43	81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66
1785.00 * 41 1786.00 0.7146 0.2854 0.0376 .42 1790.00 * . . .42 1832.00 * . . .42 1847.00 0.7052 0.2948 0.0383 .43 1874.00 * . . .43	79 78 77 76 75 74 73 72 71 70 69 68 67
1786.00 0.7146 0.2854 0.0376 42 1790.00 * . . 42 1832.00 * . . . 42 1847.00 0.7052 0.2948 0.0383 43 1874.00 * . . . 43	78 77 76 75 74 73 72 71 70 69 68 67
1790.00 * . </th <th>77 76 75 74 73 72 71 70 69 68 67</th>	77 76 75 74 73 72 71 70 69 68 67
1832.00 * . <t< th=""><th>76 75 74 73 72 71 70 69 68 67</th></t<>	76 75 74 73 72 71 70 69 68 67
1847.00 0.7052 0.2948 0.0383 43 1874.00 * 	75 74 73 72 71 70 69 68 67
1874.00 * 43	74 73 72 71 70 69 68 67
1074.00	73 72 71 70 69 68 67
	72 71 70 69 68 67
1002.00	71 70 69 68 67
1907.00	70 69 68 67
1978.00 *	69 68 67
1979.00 *	68 67
	67
	66
	65
	64
	63
	62
	61
2241.00 *	60
2294.00 *	59
2301.00 *	58
2318.00 *	57
2357.00 *	56
2419.00 0.6826 0.3174 0.0403 45	55
2452.00 *	54
2456.00 *	53
2466.00 0.6697 0.3303 0.0416 46	52
2468.00 *	51
2503.00 0.6566 0.3434 0.0428 47	50
2504.00 *	49
2563.00 *	48
2573.00 *	47
2576.00 *	46
2609.00 *	45
2615.00 *	44
2624.00 *	43
2666.00 *	42
2713.00 *	41
2721.00 *	40
2769.00 0.6401 0.3599 0.0447 48	39
2772.00 *	38
2796.00 0.6233 0.3767 0.0466 49	37
2797.00 *	36
2835.00 *	35
2847.00 0.6055 0.3945 0.0486 50	34

2891.00	*				50	33
2976.00	*				50	32
3090.00		0.5866	0.4134	0.0506	51	31
3092.00	*				51	30
3149.00	*				51	29
3170.00		0.5663	0.4337	0.0527	52	28
3244.00		0.5461	0.4539	0.0546	53	27
3255.00	*				53	26
3358.00		0.5251	0.4749	0.0564	54	25
3388.00	*				54	24
3395.00		0.5032	0.4968	0.0581	55	23
3422.00	*				55	22
3428.00		0.4804	0.5196	0.0598	56	21
3445.00		0.4575	0.5425	0.0612	57	20
3445.00	*				57	19
3577.00	*				57	18
3581.00	*				57	17
3611.00	*				57	16
3672.00	*				57	15
3762.00		0.4270	0.5730	0.0643	58	14
3820.00	*				58	13
3839.00		0.3941	0.6059	0.0672	59	12
3853.00		0.3613	0.6387	0.0692	60	11
4025.00	*				60	10
4032.00	*				60	9
4127.00	*				60	8
4184.00	*				60	7
4190.00	*				60	6
4196.00	*				60	5
4256.00	*				60	4
4427.00	*				60	3
4453.00	*				60	2
4509.00	*				60	1
4523.00	*	0.3613	0.6387		60	0

Note: The marked survival times are censored observations.

Summary Statistics for Time Variable Days

Quartile Estimates					
	Point 95% Confidence Interval			Point	terval
Percent	Estimate	Transform [Lower Upp			
75		LOGLOG	3853.00		
50	3428.00	LOGLOG	3090.00	3853.00	
25	1427.00	LOGLOG	890.00	2466.00	

Mean	Standard Error
2748.76	116.69

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.

Summary of the Number of Censored and Uncensored Values					
Stratum	Treatment	Total	Failed	Censored	Percent Censored
1	1	158	65	93	58.86
2	2	154	60	94	61.04
Total		312	125	187	59.94

The LIFETEST Procedure

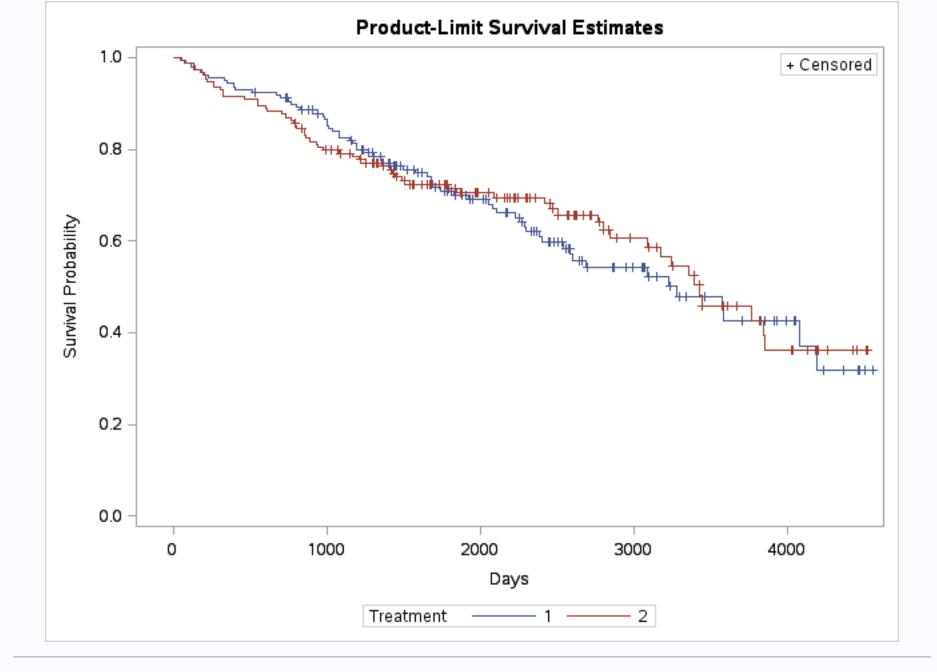
Testing Homogeneity of Survival Curves for Days over Strata

Rank Statistics				
Treatment Log-Rank Wilcoxon				
1	1.7811	-52.000		
2	-1.7811	52.000		

Covariance Matrix for the Log-Rank Statistics				
Treatment 1				
1	31.1917	-31.1917		
2	-31.1917	31.1917		

Covariance Matrix for the Wilcoxon Statistics				
Treatment 1				
1	1522246	-1522246		
2	-1522246	1522246		

Test of Equality over Strata					
Test Chi-Square DF Chi-Square					
Log-Rank	0.1017	1	0.7498		
Wilcoxon	0.0018	1	0.9664		
-2Log(LR)	0.0634	1	0.8013		



The PHREG Procedure

Model Information			
Data Set	WORK.PBC		
Dependent Variable	Days		
Censoring Variable	Event		
Censoring Value(s)	0		
Ties Handling	EXACT		

Number of Observations Read	312
Number of Observations Used	312

Summary of the Number of Event and Censored Values				
Total	Event	Censored	Percent Censored	
312	125	187	59.94	

Convergence Status

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1275.774	1211.822
AIC	1275.774	1213.822

SBC	1275.774	1216.650	

Testing Globa	al Null Hypoth	esis: I	BETA=0
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	63.9523	1	<.0001
Score	70.8923	1	<.0001
Wald	73.5439	1	<.0001

				Analysis o	of Maximum L	ikelihood	Estimates	
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	95% Hazard Ratio Profile L	ikelihood Confidence Limits
Albumin	1	-1.79572	0.20939	73.5439	<.0001	0.166	0.111	0.252

The PHREG Procedure

Model Inform	ation
Data Set	WORK.PBC
Dependent Variable	Days
Censoring Variable	Event
Censoring Value(s)	0
Ties Handling	EXACT

Number of Observations Read	312
Number of Observations Used	

Class Level Information		
Class	Value	Design Variables
Albumin_hi	0	0
	1	1

Summary	of the Num	ber of Event and (Censored Values
Total	Event	Censored	Percent Censored
312	125	187	59.94

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

M	odel Fit Statis	tics
Criterion	Without Covariates	With Covariates
-2 LOG L	1275.774	1232.475
AIC	1275.774	1234.475
SBC	1275.774	1237.303

Testing Globa	al Null Hypoth	esis: I	BETA=0
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	43.2992	1	<.0001
Score	44.3869	1	<.0001
Wald	39.6791	1	<.0001

		Type 3 Tests	
Effect	DF	Wald Chi-Square	Pr > ChiSq

Albumin_hi 1 39.6791 <.0001

Analysis of Maximum Likelihood Estimates										
Parameter	Parameter Standard Chi- leter DF Estimate Error Square Pr > ChiSq Ratio Profile Likelihood Confidence Limits				Label					
Albumin_hi	1	1	-1.22762	0.19489	39.6791	<.0001	0.293	0.198	0.426	Albumin_hi 1

The PHREG Procedure

Model Information						
Data Set	WORK.PBC					
Dependent Variable	Days					
Censoring Variable	Event					
Censoring Value(s)	0					
Ties Handling	EXACT					

Number of Observations Read	312
Number of Observations Used	312

Class Level Information								
Class Value Design Variables								
Albumin_hi	0	0						
	1	1						
Stage	1	0	0 (
	2	1	0	0				
	3	0	0 1 0					
	4	0						

Summary of the Number of Event and Censored Values								
Total	Event	Censored	Percent Censored					
312	125	187	59.94					

Convergence Status

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

Model Fit Statistics								
Criterion	Without Covariates	With Covariates						
-2 LOG L	1275.774	1201.351						
AIC	1275.774	1209.351						
SBC	1275.774	1220.664						

Testing Global Null Hypothesis: BETA=0								
Test Chi-Square DF Pr > ChiSc								
Likelihood Ratio	74.4231	4	<.0001					
Score	76.4851	4	<.0001					
Wald	62.9813	4	<.0001					

Type 3 Tests								
Effect	DF	Wald Chi-Square	Pr > ChiSq					
Albumin bi	1	20.2545	< 0001					

Albumm_m	ı	20.2343	<.0001
Stage	3	26.0612	<.0001

Analysis of Maximum Likelihood Estimates										
Parameter	Parameter DF Parameter Standard Chi- Estimate Error Square Pr > ChiSq Ratio Profile Likelihood Confidence Limits							Label		
Albumin_hi	1	1	-0.91136	0.20250	20.2545	<.0001	0.402	0.268	0.594	Albumin_hi 1
Stage	2	1	1.32821	1.03381	1.6506	0.1989	3.774	0.763	68.286	Stage 2
Stage	3	1	1.87890	1.01473	3.4285	0.0641	6.546	1.414	116.334	Stage 3
Stage	4	1	2.53916	1.01607	6.2450	0.0125	12.669	2.726	225.441	Stage 4