Q1

The FREQ Procedure

Frequency Row Pct	Table of Tx48 by Dead30		
		Dead30(Dead30)	
Tx48(Tx48)	1	0	Total
1	23 53.49	20 46.51	43
0	32 28.07	82 71.93	114
Total	55	102	157

Statistics for Table of Tx48 by Dead30

Statistic	DF	Value	Prob
Chi-Square	1	8.8634	0.0029
Likelihood Ratio Chi-Square	1	8.6147	0.0033
Continuity Adj. Chi-Square	1	7.7817	0.0053
Mantel-Haenszel Chi-Square	1	8.8069	0.0030
Phi Coefficient		0.2376	
Contingency Coefficient		0.2312	
Cramer's V		0.2376	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	23
Left-sided Pr <= F	0.9991
Right-sided Pr >= F	0.0029
Table Probability (P)	0.0020
Two-sided Pr <= P	0.0046

Confidence Limits for the Relative Risk
Relative Risk = 1.9055

Type	95% Confidence Limits	
Wald	1.2709	2.8570
Column 1 (Dead30 = 1)		

Relative Risk Test	
H0: P1 / P2 = 1 Wald Method	
Relative Risk	1.9055
Z	3.1202
One-sided Pr > Z	0.0009
Two-sided Pr > |Z|	0.0018
Column 1 (Dead30 = 1)	

Sample Size = 157

q2-1

The GENMOD Procedure

Model Information		
Data Set	WORK.INDUCT1	
Distribution	Poisson	
Link Function	Log	
Dependent Variable	Dead30	Dead30
Offset Variable	logpt	

Number of Observations Read	154
Number of Observations Used	154

Class Level Information		
Class	Levels	Values
Dead30	2	1 0
Tx48	2	1 0

Parameter Information		
Parameter	Effect	Tx48
Prm1	Intercept	
Prm2	Tx48	1
Prm3	Tx48	0

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	152	226.9249	1.4929
Scaled Deviance	152	226.9249	1.4929
Pearson Chi-Square	152	834.4308	5.4897
Scaled Pearson X2	152	834.4308	5.4897
Log Likelihood		-165.4625	
Full Log Likelihood		-165.4625	
AIC (smaller is better)		334.9249	

AICC (smaller is better)	335.0044
BIC (smaller is better)	340.9989

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-4.4565	0.1768	-4.8030	-4.1100	635.54	<.0001
Tx48	1	1	0.8072	0.2850	0.2485	1.3658	8.02	0.0046
Tx48	0	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

Note: The scale parameter was held fixed.

Contrast Estimate Results										
Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
incident rate for tx48= 1	0.0260	0.0168	0.0403	-3.6494	0.2236	0.05	-4.0876	-3.2111	266.36	<.0001
incident rate for tx48 = 0	0.0116	0.0082	0.0164	-4.4565	0.1768	0.05	-4.8030	-4.1100	635.54	<.0001

q2-1

Obs	rr	rr_lower	rr_upper
1	2.24155	1.28209	3.91902

q2-2

The GENMOD Procedure

Model Information		
Data Set	WORK.INDUCT2	
Distribution	Poisson	
Link Function	Log	
Dependent Variable	Dead30	Dead30
Offset Variable	logpt	

Number of Observations Read	153
Number of Observations Used	153

Class Level Information		
Class	Levels	Values
Dead30	2	1 0
Tx48	2	1 0

Parameter Information		
Parameter	Effect	Tx48
Prm1	Intercept	
Prm2	Tx48	1
Prm3	Tx48	0

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	151	227.7509	1.5083
Scaled Deviance	151	227.7509	1.5083
Pearson Chi-Square	151	862.7334	5.7135
Scaled Pearson X2	151	862.7334	5.7135
Log Likelihood		-164.8755	
Full Log Likelihood		-164.8755	
AIC (smaller is better)		333.7509	

AICC (smaller is better)	333.8309
BIC (smaller is better)	339.8118

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.4565	0.1768	-4.8030	-4.1100	635.54	<.0001
Tx48	1 1	0.8093	0.2896	0.2416	1.3769	7.81	0.0052
Tx48	0 0	0.0000	0.0000	0.0000	0.0000	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

Note: The scale parameter was held fixed.

Contrast Estimate Results										
Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
incident rate for tx48= 1	0.0261	0.0166	0.0409	-3.6472	0.2294	0.05	-4.0969	-3.1976	252.74	<.0001
incident rate for tx48 = 0	0.0116	0.0082	0.0164	-4.4565	0.1768	0.05	-4.8030	-4.1100	635.54	<.0001

q2-2

Obs	rr	rr_lower	rr_upper
1	2.24631	1.27333	3.96276

q2-3

The GENMOD Procedure

Model Information		
Data Set	WORK.INDUCT3	
Distribution	Poisson	
Link Function	Log	
Dependent Variable	Dead30	Dead30
Offset Variable	logpt	

Number of Observations Read	151
Number of Observations Used	151

Class Level Information		
Class	Levels	Values
Dead30	2	1 0
Tx48	2	1 0

Parameter Information		
Parameter	Effect	Tx48
Prm1	Intercept	
Prm2	Tx48	1
Prm3	Tx48	0

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	149	222.7737	1.4951
Scaled Deviance	149	222.7737	1.4951
Pearson Chi-Square	149	869.2728	5.8340
Scaled Pearson X2	149	869.2728	5.8340
Log Likelihood		-160.3868	
Full Log Likelihood		-160.3868	
AIC (smaller is better)		324.7737	

AICC (smaller is better)		324.8547	
BIC (smaller is better)		330.8082	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-4.4565	0.1768	-4.8030	-4.1100	635.54	<.0001
Tx48	1	1	0.7530	0.3001	0.1648	1.3413	6.30	0.0121
Tx48	0	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

Note: The scale parameter was held fixed.

Contrast Estimate Results										
		Mean					L'Beta			
Label	Mean Estimate	Confidence Limits		L'Beta Estimate	Standard Error	Alpha	Confidence Limits		Chi-Square	Pr > ChiSq
incident rate for tx48= 1	0.0246	0.0153	0.0396	-3.7035	0.2425	0.05	-4.1788	-3.2281	233.17	<.0001
incident rate for tx48 = 0	0.0116	0.0082	0.0164	-4.4565	0.1768	0.05	-4.8030	-4.1100	635.54	<.0001

q2-3

Obs	rr	rr_lower	rr_upper
1	2.12346	1.17918	3.82392

q3

The LIFETEST Procedure

Stratum 1: Tx48 = 0

			Product-Limit Survival Estimates		
DAY30	Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.0000	1.0000	0	0	0	114
2.0000	.	.	.	1	113
2.0000	.	.	.	2	112
2.0000	.	.	.	3	111
2.0000	0.9649	0.0351	0.0172	4	110
3.0000	0.9561	0.0439	0.0192	5	109
4.0000	.	.	.	6	108
4.0000	.	.	.	7	107
4.0000	.	.	.	8	106
4.0000	0.9211	0.0789	0.0253	9	105
5.0000	.	.	.	10	104
5.0000	.	.	.	11	103
5.0000	.	.	.	12	102
5.0000	0.8860	0.1140	0.0298	13	101
6.0000	.	.	.	14	100
6.0000	0.8684	0.1316	0.0317	15	99
8.0000	.	.	.	16	98
8.0000	0.8509	0.1491	0.0334	17	97
10.0000	.	.	.	18	96
10.0000	0.8333	0.1667	0.0349	19	95
16.0000	0.8246	0.1754	0.0356	20	94
17.0000	0.8158	0.1842	0.0363	21	93
19.0000	0.8070	0.1930	0.0370	22	92
20.0000	0.7982	0.2018	0.0376	23	91
23.0000	0.7895	0.2105	0.0382	24	90

26.0000		0.7807	0.2193	0.0388	25	89
27.0000		.	.	.	26	88
27.0000		.	.	.	27	87
27.0000		0.7544	0.2456	0.0403	28	86
28.0000		.	.	.	29	85
28.0000		0.7368	0.2632	0.0412	30	84
29.0000		0.7281	0.2719	0.0417	31	83
30.0000		0.7193	0.2807	0.0421	32	82
30.0000	*	.	.	.	32	81
30.0000	*	.	.	.	32	80
30.0000	*	.	.	.	32	79
30.0000	*	.	.	.	32	78
30.0000	*	.	.	.	32	77
30.0000	*	.	.	.	32	76
30.0000	*	.	.	.	32	75
30.0000	*	.	.	.	32	74
30.0000	*	.	.	.	32	73
30.0000	*	.	.	.	32	72
30.0000	*	.	.	.	32	71
30.0000	*	.	.	.	32	70
30.0000	*	.	.	.	32	69
30.0000	*	.	.	.	32	68
30.0000	*	.	.	.	32	67
30.0000	*	.	.	.	32	66
30.0000	*	.	.	.	32	65
30.0000	*	.	.	.	32	64
30.0000	*	.	.	.	32	63
30.0000	*	.	.	.	32	62
30.0000	*	.	.	.	32	61
30.0000	*	.	.	.	32	60
30.0000	*	.	.	.	32	59
30.0000	*	.	.	.	32	58

30.0000	*	.	.	.	32	57
30.0000	*	.	.	.	32	56
30.0000	*	.	.	.	32	55
30.0000	*	.	.	.	32	54
30.0000	*	.	.	.	32	53
30.0000	*	.	.	.	32	52
30.0000	*	.	.	.	32	51
30.0000	*	.	.	.	32	50
30.0000	*	.	.	.	32	49
30.0000	*	.	.	.	32	48
30.0000	*	.	.	.	32	47
30.0000	*	.	.	.	32	46
30.0000	*	.	.	.	32	45
30.0000	*	.	.	.	32	44
30.0000	*	.	.	.	32	43
30.0000	*	.	.	.	32	42
30.0000	*	.	.	.	32	41
30.0000	*	.	.	.	32	40
30.0000	*	.	.	.	32	39
30.0000	*	.	.	.	32	38
30.0000	*	.	.	.	32	37
30.0000	*	.	.	.	32	36
30.0000	*	.	.	.	32	35
30.0000	*	.	.	.	32	34
30.0000	*	.	.	.	32	33
30.0000	*	.	.	.	32	32
30.0000	*	.	.	.	32	31
30.0000	*	.	.	.	32	30
30.0000	*	.	.	.	32	29
30.0000	*	.	.	.	32	28
30.0000	*	.	.	.	32	27
30.0000	*	.	.	.	32	26

	*	.	.	.	32	25
30.0000	*	.	.	.	32	24
30.0000	*	.	.	.	32	23
30.0000	*	.	.	.	32	22
30.0000	*	.	.	.	32	21
30.0000	*	.	.	.	32	20
30.0000	*	.	.	.	32	19
30.0000	*	.	.	.	32	18
30.0000	*	.	.	.	32	17
30.0000	*	.	.	.	32	16
30.0000	*	.	.	.	32	15
30.0000	*	.	.	.	32	14
30.0000	*	.	.	.	32	13
30.0000	*	.	.	.	32	12
30.0000	*	.	.	.	32	11
30.0000	*	.	.	.	32	10
30.0000	*	.	.	.	32	9
30.0000	*	.	.	.	32	8
30.0000	*	.	.	.	32	7
30.0000	*	.	.	.	32	6
30.0000	*	.	.	.	32	5
30.0000	*	.	.	.	32	4
30.0000	*	.	.	.	32	3
30.0000	*	.	.	.	32	2
30.0000	*	.	.	.	32	1
30.0000	*	.	.	.	32	0

Note: The marked survival times are censored observations.

Summary Statistics for Time Variable DAY30

Quartile Estimates

| Percent | Point Estimate | Transform | 95% Confidence Interval | |
			[Lower	Upper)
75	.	LOGLOG	.	.
50	.	LOGLOG	.	.
25	28.0000	LOGLOG	16.0000	.

Mean	Standard Error
25.1930	0.8931

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.

q3

The LIFETEST Procedure

Stratum 2: Tx48 = 1

				Survival Standard	Number	Number
DAY30		Survival	Failure	Error	Failed	Left
0.0000		1.0000	0	0	0	43
2.0000		.	.	.	1	42
2.0000		.	.	.	2	41
2.0000		0.9302	0.0698	0.0388	3	40
3.0000		0.9070	0.0930	0.0443	4	39
4.0000		.	.	.	5	38
4.0000		0.8605	0.1395	0.0528	6	37
5.0000		.	.	.	7	36
5.0000		.	.	.	8	35
5.0000		0.7907	0.2093	0.0620	9	34
7.0000		.	.	.	10	33
7.0000		0.7442	0.2558	0.0665	11	32
8.0000		.	.	.	12	31
8.0000		0.6977	0.3023	0.0700	13	30
11.0000		0.6744	0.3256	0.0715	14	29
13.0000		.	.	.	15	28
13.0000		0.6279	0.3721	0.0737	16	27
16.0000		.	.	.	17	26
16.0000		0.5814	0.4186	0.0752	18	25
20.0000		.	.	.	19	24
20.0000		0.5349	0.4651	0.0761	20	23
26.0000		0.5116	0.4884	0.0762	21	22
28.0000		0.4884	0.5116	0.0762	22	21
30.0000		0.4651	0.5349	0.0761	23	20
30.0000	*	.	.	.	23	19

30.0000	*	.	.	.	23	18
30.0000	*	.	.	.	23	17
30.0000	*	.	.	.	23	16
30.0000	*	.	.	.	23	15
30.0000	*	.	.	.	23	14
30.0000	*	.	.	.	23	13
30.0000	*	.	.	.	23	12
30.0000	*	.	.	.	23	11
30.0000	*	.	.	.	23	10
30.0000	*	.	.	.	23	9
30.0000	*	.	.	.	23	8
30.0000	*	.	.	.	23	7
30.0000	*	.	.	.	23	6
30.0000	*	.	.	.	23	5
30.0000	*	.	.	.	23	4
30.0000	*	.	.	.	23	3
30.0000	*	.	.	.	23	2
30.0000	*	.	.	.	23	1
30.0000	*	.	.	.	23	0

Note: The marked survival times are censored observations.

Summary Statistics for Time Variable DAY30

Quartile Estimates				
		95% Confidence Interval		
Percent	Point Estimate	Transform	[Lower	Upper)
75	.	LOGLOG	.	.
50	28.0000	LOGLOG	13.0000	.
25	7.0000	LOGLOG	4.0000	16.0000

Mean	Standard Error

19.8837	1.7610

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	Tx48	Total	Failed	Censored	Percent Censored
1	0	114	32	82	71.93
2	1	43	23	20	46.51
Total		157	55	102	64.97

q3

The LIFETEST Procedure

Testing Homogeneity of Survival Curves for DAY30 over Strata

Rank Statistics		
Tx48	Log-Rank	Wilcoxon
0	-9.8269	-1291.0
1	9.8269	1291.0

Covariance Matrix for the Log-Rank Statistics		
Tx48	0	1
0	9.75600	-9.75600
1	-9.75600	9.75600

Covariance Matrix for the Wilcoxon Statistics		
Tx48	0	1
0	174151	-174151
1	-174151	174151

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	9.8983	1	0.0017
Wilcoxon	9.5703	1	0.0020
-2Log(LR)	9.6351	1	0.0019

Product-Limit Survival Estimates