The LOGISTIC Procedure

Model Information	
Data Set	WORK.PROJ2B
Response Variable	death30
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	26518
Number of Observations Used	21346

Response Profile		
Ordered Value	death30	Total Frequency
1	0	20668
2	1	678

Probability modeled is death30=1.

Note: 5172 observations were deleted due to missing values for the response or explanatory variables.

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	6013.718	5914.578
SC	6021.687	5946.452
-2 Log L	6011.718	5906.578

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	105.1404	3	<.0001
Score	85.6981	3	<.0001
Wald	80.7341	3	<.0001

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-7.1901	0.4682	235.8154	<.0001
proced	1	0.3343	0.1086	9.4807	0.0021
bmi2	1	0.0106	0.0109	0.9450	0.3310
asa	1	0.8413	0.1064	62.5784	<.0001

Odds Ratio Estimates		
Effect	Point Estimate	95% Wald Confidence Limits
proced	1.397	1.129 1.728
bmi2	1.011	0.989 1.032
asa	2.319	1.883 2.857

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.7	Somers' D	0.195
Percent Discordant	40.3	Gamma	0.195
Percent Tied	0.0	Tau-a	0.012
Pairs	14012904	c	0.597

The MEANS Procedure

Analysis Variable : pred Estimated Probability			
hospcode	N Obs	Mean	N
1	87	0.0313943	65
2	106	0.0345035	81
3	100	0.0334363	78
4	94	0.0319064	85
5	115	0.0334389	97
6	104	0.0300866	80
7	105	0.0313839	89
8	120	0.0330178	98
9	105	0.0323368	85
10	100	0.0322270	78
11	90	0.0301656	69
12	98	0.0336444	82
13	84	0.0326825	70
14	103	0.0295534	84
15	105	0.0318145	85
16	111	0.0313170	92
17	93	0.0347154	77
18	95	0.0314813	81
19	113	0.0308236	85
20	98	0.0281122	75
21	92	0.0318694	78
22	86	0.0317797	71
23	97	0.0303215	70
24	104	0.0333077	84
25	95	0.0315056	75
26	99	0.0331233	79
27	99	0.0328162	85
28	101	0.0327689	81
29	105	0.0312141	85
30	117	.	0
31	104	0.0314108	85
32	93	0.0326106	70
33	113	0.0326047	89
34	99	0.0317104	76

The MEANS Procedure

Analysis Variable : pred Estimated Probability			
hospcode	N Obs	Mean	N
35	84	0.0315138	59
36	99	0.0298412	79
37	107	0.0307204	88
38	113	0.0305775	93
39	101	0.0314069	82
40	86	0.0307786	70
41	116	0.0314814	103
42	107	0.0298035	90
43	83	0.0322285	74
44	98	0.0322102	76

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of death30 by hospcode

death30	hospcode 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	86 1.94 2.01 98.85	105 2.37 2.45 99.06	96 2.17 2.24 96.00	90 2.03 2.10 95.74	114 2.58 2.66 99.13	102 2.31 2.38 98.08	98 2.22 2.29 93.33	116 2.62 2.71 96.67	105 2.37 2.45 100.00	98 2.22 2.29 98.00	89 2.01 2.08 98.89	94 2.12 2.20 95.92	80 1.81 1.87 95.24	102 2.31 2.38 99.03	102 2.31 2.38 97.14
1	1 0.02 0.69 1.15	1 0.02 0.69 0.94	4 0.09 2.76 4.00	4 0.09 2.76 4.26	1 0.02 0.69 0.87	2 0.05 1.38 1.92	7 0.16 4.83 6.67	4 0.09 2.76 3.33	0 0.00 0.00 0.00	2 0.05 1.38 2.00	1 0.02 0.69 1.11	4 0.09 2.76 4.08	4 0.09 2.76 4.76	1 0.02 0.69 0.97	3 0.07 2.07 2.86
Total	87 1.97	106 2.40	100 2.26	94 2.12	115 2.60	104 2.35	105 2.37	120 2.71	105 2.37	100 2.26	90 2.03	98 2.22	84 1.90	103 2.33	105 2.37

Table of death30 by hospcode

death30	hospcode 16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0	110 2.49 2.57 99.10	80 1.81 1.87 86.02	93 2.10 2.17 97.89	113 2.55 2.64 100.00	96 2.17 2.24 97.96	87 1.97 2.03 94.57	84 1.90 1.96 97.67	91 2.06 2.13 93.81	100 2.26 2.34 96.15	92 2.08 2.15 96.84	95 2.15 2.22 95.96	97 2.19 2.27 97.98	96 2.17 2.24 95.05	103 2.33 2.41 98.10	107 2.42 2.50 91.45
1	1 0.02 0.69 0.90	13 0.29 8.97 13.98	2 0.05 1.38 2.11	0 0.00 0.00 0.00	2 0.05 1.38 2.04	5 0.11 3.45 5.43	2 0.05 1.38 2.33	6 0.14 4.14 6.19	4 0.09 2.76 3.85	3 0.07 2.07 3.16	4 0.09 2.76 4.04	2 0.05 1.38 2.02	5 0.11 3.45 4.95	2 0.05 1.38 1.90	10 0.23 6.90 8.55
Total	111 2.51	93 2.10	95 2.15	113 2.55	98 2.22	92 2.08	86 1.94	97 2.19	104 2.35	95 2.15	99 2.24	99 2.24	101 2.28	105 2.37	117 2.64

Table of death30 by hospcode

death30	hospcode 31	32	33	34	35	36	37	38	39	40	41	42	43	44	Total
0	97 2.19 2.27 93.27	93 2.10 2.17 100.00	113 2.55 2.64 100.00	85 1.92 1.99 85.86	79 1.79 1.85 94.05	98 2.22 2.29 98.99	103 2.33 2.41 96.26	112 2.53 2.62 99.12	97 2.19 2.27 96.04	84 1.90 1.96 97.67	111 2.51 2.59 95.69	107 2.42 2.50 100.00	81 1.83 1.89 97.59	98 2.22 2.29 100.00	4279 96.72
1	7 0.16 4.83 6.73	0 0.00 0.00 0.00	0 0.00 0.00 0.00	14 0.32 9.66 14.14	5 0.11 3.45 5.95	1 0.02 0.69 1.01	4 0.09 2.76 3.74	1 0.02 0.69 0.88	4 0.09 2.76 3.96	2 0.05 1.38 2.33	5 0.11 3.45 4.31	0 0.00 0.00 0.00	2 0.05 1.38 2.41	0 0.00 0.00 0.00	145 3.28
Total	104 2.35	93 2.10	113 2.55	99 2.24	84 1.90	99 2.24	107 2.42	113 2.55	101 2.28	86 1.94	116 2.62	107 2.42	83 1.88	98 2.22	4424 100.00