

The LOGISTIC Procedure

Model Information		
Data Set	WORK.VA3	
Response Variable	death30	death30
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	26518
Number of Observations Used	24618

Response Profile		
Ordered Value	death30	Total Frequency
1	0	23872
2	1	746

Probability modeled is death30='1'.

Note: 1900 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information		
Class	Value	Design Variables
proced	0	0
	1	1
bhealth	0	0
	1	1

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	6687.951	6589.202
SC	6696.063	6621.647
-2 Log L	6685.951	6581.202

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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	104.7491	3	<.0001
Score	89.3614	3	<.0001
Wald	82.9336	3	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
bmi2	1	0.7514	0.3860
proced	1	9.7144	0.0018
bhealth	1	65.2407	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-4.8219	0.3131	237.2288	<.0001
bmi2		1	0.00902	0.0104	0.7514	0.3860
proced	1	1	0.3251	0.1043	9.7144	0.0018
bhealth	1	1	0.9944	0.1231	65.2407	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
bmi2	1.009	0.989	1.030
proced 1 vs 0	1.384	1.128	1.698
bhealth 1 vs 0	2.703	2.124	3.441

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.2	Somers' D	0.184
Percent Discordant	40.8	Gamma	0.184
Percent Tied	0.0	Tau-a	0.011
Pairs	17808512	c	0.592

The LOGISTIC Procedure

Estimated Covariance Matrix				
Parameter	Intercept	bmi2	proced1	bhealth1
Intercept	0.09801	-0.0029	-0.00933	-0.00499
bmi2	-0.0029	0.000108	5.838E-6	-0.00029
proced1	-0.00933	5.838E-6	0.010879	-0.00009
bhealth1	-0.00499	-0.00029	-0.00009	0.015158