

### 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	12332

Response Profile		
Ordered Value	death30	Total Frequency
1	0	11968
2	1	364

Probability modeled is death30='1'.

**Note:** 14186 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information						
Class	Value	Design Variables				
proced	0	-1				
	1	1				
asa	1	-1	-1	-1	-1	
	2	1	0	0	0	
	3	0	1	0	0	
	4	0	0	1	0	
	5	0	0	0	0	1

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	3283.746	3251.829
SC	3291.166	3311.189
-2 Log L	3281.746	3235.829

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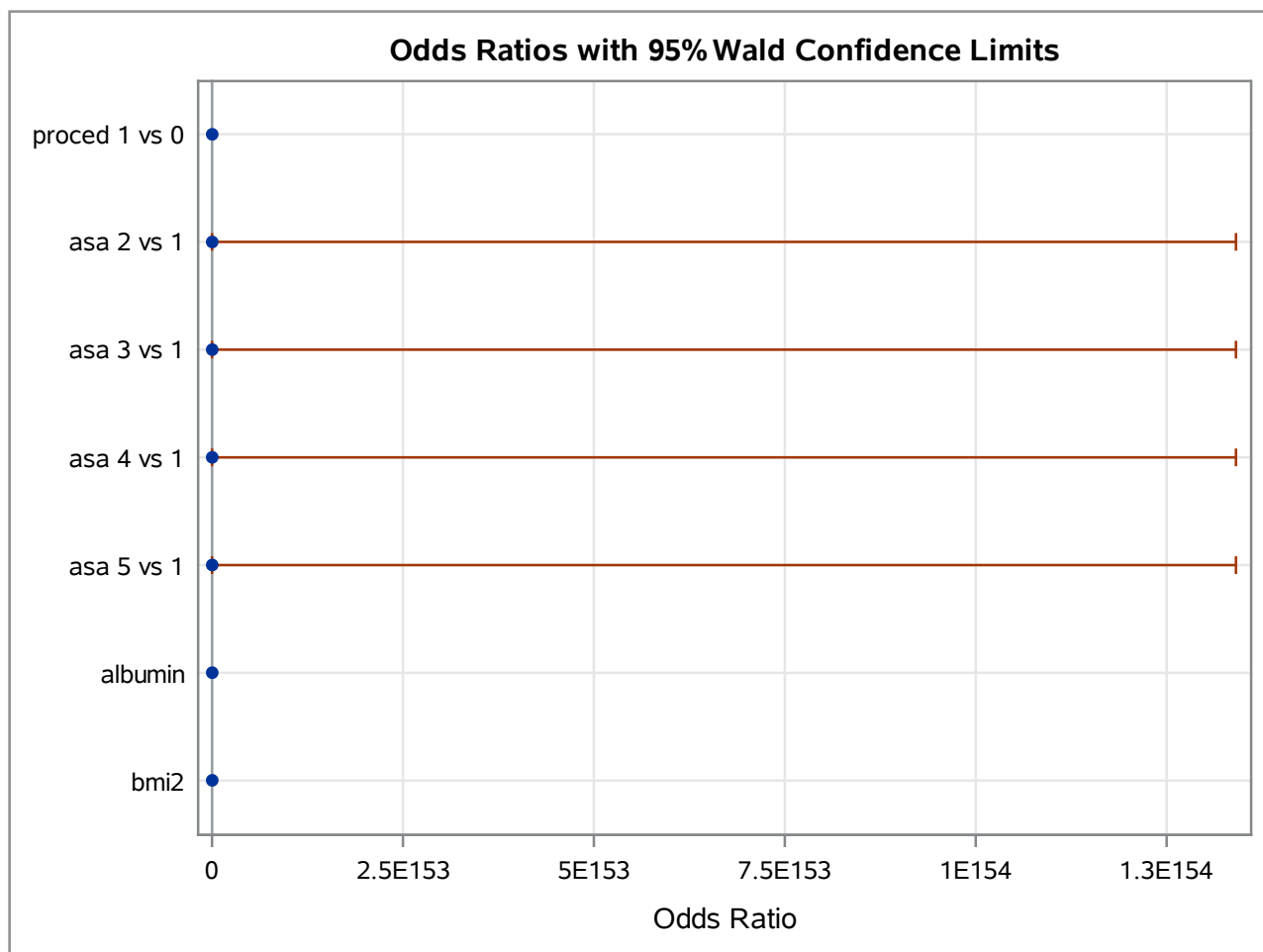
Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	45.9172	7	<.0001
Score	43.4740	7	<.0001
Wald	39.3830	7	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
proced	1	3.9150	0.0479
asa	4	29.8403	<.0001
albumin	1	0.0875	0.7674
bmi2	1	0.0817	0.7750

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-5.3796	57.8908	0.0086	0.9260
proced	1	1	0.1457	0.0737	3.9150	0.0479
asa	2	1	0.9085	57.8886	0.0002	0.9875
asa	3	1	1.3885	57.8877	0.0006	0.9809
asa	4	1	2.1859	57.8876	0.0014	0.9699
asa	5	1	3.4790	57.8891	0.0036	0.9521
albumin		1	-0.0318	0.1074	0.0875	0.7674
bmi2		1	-0.00425	0.0149	0.0817	0.7750

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
proced 1 vs 0	1.338	1.003	1.786
asa 2 vs 1	>999.999	<0.001	>999.999
asa 3 vs 1	>999.999	<0.001	>999.999
asa 4 vs 1	>999.999	<0.001	>999.999
asa 5 vs 1	>999.999	<0.001	>999.999
albumin	0.969	0.785	1.196
bmi2	0.996	0.967	1.025

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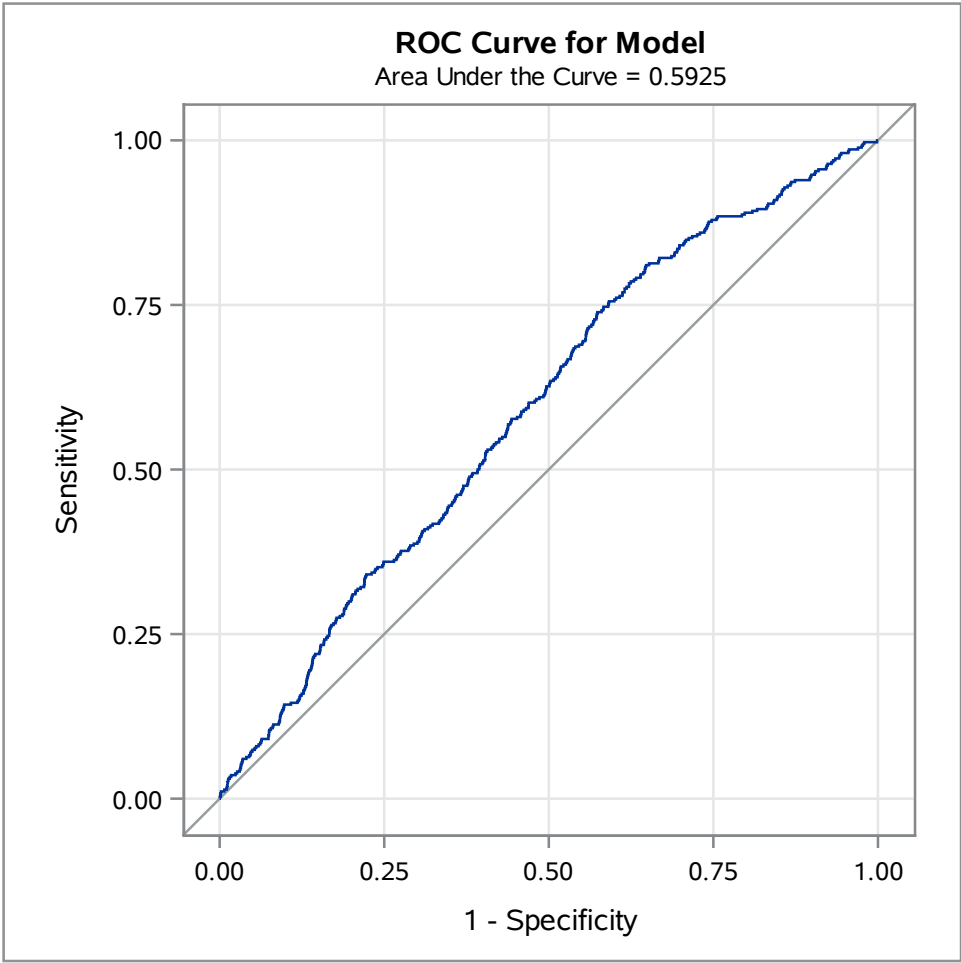
**Association of Predicted Probabilities and Observed Responses**

Percent Concordant	59.2	Somers' D	0.185
Percent Discordant	40.8	Gamma	0.185
Percent Tied	0.0	Tau-a	0.011
Pairs	4356352	c	0.592

**Parameter Estimates and Wald Confidence Intervals**

Parameter		Estimate	95% Confidence Limits	
Intercept		-5.3796	-118.8	108.1
proced	1	0.1457	0.00137	0.2901
asa	2	0.9085	-112.6	114.4
asa	3	1.3885	-112.1	114.8
asa	4	2.1859	-111.3	115.6
asa	5	3.4790	-110.0	116.9
albumin		-0.0318	-0.2422	0.1787
bmi2		-0.00425	-0.0334	0.0249

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