

### The LOGISTIC Procedure

Model Information		
Data Set	HEERDT.VPICU_LABEL	
Response Variable	VP24_VasoNE_012	Mild / Severe Vasoplegia vs. None within 24h
Number of Response Levels	2	
Model	generalized logit	
Optimization Technique	Newton-Raphson	

Number of Observations Read	1286
Number of Observations Used	1280

Response Profile		
Ordered Value	VP24_VasoNE_012	Total Frequency
1	0	1151
2	2	129

Logits modeled use VP24\_VasoNE\_012=0 as the reference category.

Note: 6 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	838.598	833.370
SC	843.753	848.834
-2 Log L	836.598	827.370

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	9.2281	2	0.0099
Score	10.2266	2	0.0060
Wald	9.5880	2	0.0083

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
Ind_SBP1	1	2.8571	0.0910
Ind_SBP1*Ind_SBP1	1	1.6516	0.1987

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Analysis of Maximum Likelihood Estimates						
Parameter	VP24_VasoNE_012	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	2	1	2.1917	2.1494	1.0398	0.3079
Ind_SBP1	2	1	-0.0624	0.0369	2.8571	0.0910
Ind_SBP1*Ind_SBP1	2	1	0.000203	0.000158	1.6516	0.1987

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	55.7	Somers' D	0.130
Percent Discordant	42.7	Gamma	0.132
Percent Tied	1.7	Tau-a	0.024
Pairs	148479	c	0.565

Estimated Covariance Matrix			
Parameter	Intercept_2	Ind_SBP1_2	Ind_SBP1Ind_SBP1_2
Intercept_2	4.619875	-0.07855	0.000325
Ind_SBP1_2	-0.07855	0.001363	-5.76E-6
Ind_SBP1Ind_SBP1_2	0.000325	-5.76E-6	2.493E-8

Classification Table									
Prob Level	Correct		Incorrect		Percentages				
	Event	Non-Event	Event	Non-Event	Correct	Sensitivity	Specificity	False POS	False NEG
0.060	129	0	1151	0	10.1	100.0	0.0	89.9	.
0.080	101	235	916	28	26.3	78.3	20.4	90.1	10.6
0.100	65	674	477	64	57.7	50.4	58.6	88.0	8.7
0.120	36	956	195	93	77.5	27.9	83.1	84.4	8.9
0.140	17	1082	69	112	85.9	13.2	94.0	80.2	9.4
0.160	7	1126	25	122	88.5	5.4	97.8	78.1	9.8
0.180	4	1143	8	125	89.6	3.1	99.3	66.7	9.9
0.200	1	1146	5	128	89.6	0.8	99.6	83.3	10.0
0.220	1	1148	3	128	89.8	0.8	99.7	75.0	10.0
0.240	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.260	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.280	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.300	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.320	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.340	0	1150	1	129	89.8	0.0	99.9	100.0	10.1

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Classification Table									
Prob Level	Correct		Incorrect		Percentages				
	Event	Non-Event	Event	Non-Event	Correct	Sensitivity	Specificity	False POS	False NEG
0.360	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.380	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.400	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.420	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.440	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.460	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.480	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.500	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.520	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.540	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.560	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.580	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.600	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.620	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.640	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.660	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.680	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.700	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.720	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.740	0	1150	1	129	89.8	0.0	99.9	100.0	10.1
0.760	0	1151	0	129	89.9	0.0	100.0	.	10.1

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