The LOGISTIC Procedure

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

Number of Observations Read	575
Number of Observations Used	575

Response Profile		
Ordered Value	**DFREE**	**Total Frequency**
1	yes	147
2	no	428

Probability modeled is DFREE='yes'.

Class Level Information			
Class	**Value**	**Design Variables**	
TREAT	**no treatment**	0	
	treatment	1	
IVHX	**never**	0	0
	previous	1	0
	recent	0	1

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	655.729	638.073
SC	660.083	659.845
-2 Log L	653.729	628.073

The LOGISTIC Procedure

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	25.6556	4	<.0001
Score	25.3031	4	<.0001
Wald	24.1905	4	<.0001

Type 3 Analysis of Effects			
Effect	**DF**	**Wald Chi-Square**	**Pr > ChiSq**
AGE	1	7.6641	0.0056
TREAT	1	4.9740	0.0257
IVHX	2	18.2652	0.0001

Analysis of Maximum Likelihood Estimates						
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	-2.3137	0.5446	18.0512	<.0001
AGE		1	0.0470	0.0170	7.6641	0.0056
TREAT	**treatment**	1	0.4399	0.1972	4.9740	0.0257
IVHX	**previous**	1	-0.7097	0.2811	6.3735	0.0116
IVHX	**recent**	1	-0.9909	0.2367	17.5313	<.0001

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
AGE	1.048	1.014	1.084
TREAT treatment vs no treatment	1.552	1.055	2.285
IVHX previous vs never	0.492	0.283	0.853
IVHX recent vs never	0.371	0.233	0.590

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	62.8	**Somers' D**	0.265
Percent Discordant	36.3	**Gamma**	0.267
Percent Tied	0.9	**Tau-a**	0.101
Pairs	62916	**c**	0.633