

The LOGISTIC Procedure

Model Information		
Data Set	WORK.FRMGHAM2	
Response Variable	CURSMOKE	Current Cig Smoker Y/N
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	4434
Number of Observations Used	4434

Response Profile		
Ordered Value	CURSMOKE	Total Frequency
1	Current smoker	2181
2	Not current smoker	2253

Probability modeled is CURSMOKE='Current smoker'.

Class Level Information		
Class	Value	Design Variables
SEX	Female	0
	Male	1

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	6147.660	5973.077
SC	6154.057	5985.871
-2 Log L	6145.660	5969.077

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	176.5831	1	<.0001
Score	175.4299	1	<.0001
Wald	172.9245	1	<.0001

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Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
SEX	1	172.9245	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.3888	0.0408	90.6127	<.0001
SEX	Male	1	0.8127	0.0618	172.9245	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
SEX Male vs Female	2.254	1.997	2.544

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	35.5	Somers' D	0.197
Percent Discordant	15.7	Gamma	0.385
Percent Tied	48.8	Tau-a	0.099
Pairs	4913793	c	0.599