

## 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	11627
Number of Observations Used	11627

Response Profile		
Ordered Value	CURSMOKE	Total Frequency
1	Current smoker	5029
2	Not current smoker	6598

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	15908.069	15655.816
SC	15915.430	15670.538
-2 Log L	15906.069	15651.816

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	254.2536	1	<.0001
Score	254.1364	1	<.0001
Wald	252.0516	1	<.0001

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Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
SEX	1	252.0516	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.5380	0.0255	444.9074	<.0001
SEX	Male	1	0.6041	0.0381	252.0516	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
SEX Male vs Female	1.830	1.698	1.971

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	32.6	Somers' D	0.148
Percent Discordant	17.8	Gamma	0.293
Percent Tied	49.6	Tau-a	0.073
Pairs	33181342	c	0.574