

The LOGISTIC Procedure

Model Information		
Data Set	HCA202.FRMGHAM	
Response Variable	DEATH	Death indicator
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	11627
Number of Observations Used	11575

Response Profile		
Ordered Value	DEATH	Total Frequency
1	0	8080
2	1	3495

Probability modeled is DEATH=0.

Note: 52 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information		
Class	Value	Design Variables
SEX	1	1
	2	-1

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	14181.429	12716.883
SC	14188.786	12746.310
-2 Log L	14179.429	12708.883

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1470.5456	3	<.0001
Score	1399.0749	3	<.0001
Wald	1240.6637	3	<.0001

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Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
AGE	1	1046.9900	<.0001
SEX	1	315.1594	<.0001
BMI	1	9.0980	0.0026

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	5.6384	0.1955	831.7843	<.0001
AGE		1	-0.0788	0.00243	1046.9900	<.0001
SEX	1	1	-0.3882	0.0219	315.1594	<.0001
BMI		1	-0.0159	0.00528	9.0980	0.0026

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
AGE	0.924	0.920	0.929
SEX 1 vs 2	0.460	0.422	0.501
BMI	0.984	0.974	0.994

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	71.6	Somers' D	0.432
Percent Discordant	28.4	Gamma	0.432
Percent Tied	0.0	Tau-a	0.182
Pairs	28239600	c	0.716