The LOGISTIC Procedure

Model Information		
Data Set	WORK.FRMGHAM2	
Response Variable	DEATH	Death indicator
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	3263
Number of Observations Used	3246

Response Profile		
Ordered Value	**DEATH**	**Total Frequency**
1	Alive	2480
2	Died	766

Probability modeled is DEATH='Alive'.

Note: 17 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information		
Class	**Value**	**Design Variables**
SEX	**Female**	1
	Male	-1

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	3549.261	3035.749
SC	3555.346	3060.090
-2 Log L	3547.261	3027.749

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	519.5117	3	<.0001
Score	498.5873	3	<.0001
Wald	420.9556	3	<.0001

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Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
AGE	1	378.2888	<.0001
SEX	1	92.9651	<.0001
BMI	1	0.5066	0.4766

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	8.0528	0.4882	272.1357	<.0001
AGE		1	-0.1139	0.00586	378.2888	<.0001
SEX	Female	1	0.4425	0.0459	92.9651	<.0001
BMI		1	0.00813	0.0114	0.5066	0.4766

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
AGE	0.892	0.882	0.903
SEX Female vs Male	2.423	2.024	2.900
BMI	1.008	0.986	1.031

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	75.5	Somers' D	0.510
Percent Discordant	24.5	Gamma	0.510
Percent Tied	0.0	Tau-a	0.184
Pairs	1899680	c	0.755