

The SURVEYLOGISTIC Procedure

Model Information

Data Set	WORK.ANALYSIS_DATA
Response Variable	Hyper
Number of Response Levels	2
Stratum Variable	SDMVSTRA
Number of Strata	28
Cluster Variable	SDMVPSU
Number of Clusters	57
Weight Variable	newweight
Model	Binary Logit
Optimization Technique	Fisher's Scoring
Variance Adjustment	Degrees of Freedom (DF)

Model Information

Indicates if have hypertension

Masked Variance Pseudo-Stratum

Masked Variance Pseudo-PSU

Number of Observations Read	21004
Number of Observations Used	3819
Sum of Weights Read	1.984E8
Sum of Weights Used	1.8794E8

Response Profile

Ordered Value	Hyper	Total Frequency	Total Weight
1	1	1304	53616826
2	0	2515	134326549

Probability modeled is Hyper=1.

NOTE: 16845 observations were deleted due to missing values for the response or explanatory variables.

NOTE: 340 observations having nonpositive frequencies or weights were excluded since they do not contribute to the analysis.

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Class Level Information

Class	Value	Design Variables	
age	20-39 yrs	1	0
	40-59 yrs	0	0
	60 + yrs	0	1
RIAGENDR	Female	0	
	Male	1	
HiChol	high cholesterol	0	
	not high cholesterol	1	
bmigrp	25<=BMI<30	0	0
	BMI<25	1	0
	BMI>=30	0	1

Model Convergence Status

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

Model Fit Statistics

Criterion	Intercept	Intercept
	Only	and Covariates
AIC	224732488	173882077
SC	224732494	173882127
-2 Log L	224732486	173882061

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	50850424.2	7	<.0001
Score	48905206.1	7	<.0001
Wald	756.7268	7	<.0001

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Type 3 Analysis of Effects

Effect	DF	Wald	Pr > ChiSq
		Chi-Square	
age	2	462.3887	<.0001
RIAGENDR	1	0.3756	0.5400
HiChol	1	5.3482	0.0207
bmigrp	2	104.3427	<.0001
logtrig	1	5.2973	0.0214

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard	Wald
			Error	Chi-Square
Intercept	1	-2.1158	0.6190	11.6831
age 20-39 yrs	1	-1.2686	0.1512	70.3979
age 60 + yrs	1	1.6617	0.1351	151.3595
RIAGENDR Male	1	-0.0619	0.1010	0.3756
HiChol not high cholesterol	1	-0.2543	0.1100	5.3482
bmigrp BMI<25	1	-0.3999	0.1294	9.5565
bmigrp BMI>=30	1	0.7806	0.1223	40.7449
logtrig	1	0.2508	0.1090	5.2973

Analysis of Maximum Likelihood Estimates

Parameter	Pr > ChiSq
Intercept	0.0006
age 20-39 yrs	<.0001
age 60 + yrs	<.0001
RIAGENDR Male	0.5400
HiChol not high cholesterol	0.0207
bmigrp BMI<25	0.0020
bmigrp BMI>=30	<.0001
logtrig	0.0214

Odds Ratio Estimates

Effect	Point Estimate
age 20-39 yrs vs 40-59 yrs	0.281
age 60 + yrs vs 40-59 yrs	5.268
RIAGENDR Male vs Female	0.940
HiChol not high cholesterol vs high cholesterol	0.775
bmigrp BMI<25 vs 25<=BMI<30	0.670

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Odds Ratio Estimates

Effect	Point Estimate
bmigrp BMI>=30 vs 25<=BMI<30	2.183
logtrig	1.285

Odds Ratio Estimates

95% Wald
Confidence Limits

0.209	0.378
4.043	6.865
0.771	1.146
0.625	0.962
0.520	0.864
1.718	2.774
1.038	1.591

Association of Predicted Probabilities and Observed Responses

Percent Concordant	81.9	Somers' D	0.639
Percent Discordant	17.9	Gamma	0.641
Percent Tied	0.2	Tau-a	0.288
Pairs	3279560	c	0.820