The SURVEYLOGISTIC Procedure

Model Information

Data Set	WORK.DEMOADV
Response Variable	treatOSTEO
Number of Response Levels	2
Stratum Variable	SDMVSTRA
Number of Strata	15
Cluster Variable	SDMVPSU
Number of Clusters	30
Weight Variable	newweight
Model	Binary Logit
Optimization Technique	Fisher's Scoring
Variance Adjustment	Degrees of Freedom (DF)

Model Information

Subject is being treated for osteoporosis
Masked Variance Pseudo-Stratum
Masked Variance Pseudo-PSU

Variance Estimation

Method	Taylor Series
Variance Adjustment	Degrees of Freedom (DF)

Number of Observations Read	9643
Number of Observations Used	4623
Sum of Weights Read	2.0528E8
Sum of Weights Used	2.0111E8

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Response Profile

Ordered Value	treatOSTEO	Total Frequency	Total Weight
1	No	4385	192516945
2	Yes	238	8597732

Probability modeled is treatOSTEO='Yes'.

NOTE: 5020 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information

Class	Value	Design Variables			
age	20-39	1	0		
	40-59	0	0		
	>= 60	0	1		
RIAGENDR	Female	1			
	Male	0			
RIDRETH1	Mex-Amer	1	0	0	0
	Non-hisp Black	0	1	0	0
	Non-hisp White	0	0	1	0
	Oth Hisp	0	0	0	1
	Other/Multi	0	0	0	0
ANYCALSUP	No supp use	0			
	Used any calcium supp	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 Only	Intercept and Covariates
AIC	71029139	51593707
SC	71029145	51593777
-2 Log L	71029137	51593685

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	19435452.3	10	<.0001
Score	19027750.7	10	<.0001
Wald	1723.4563	10	<.0001

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Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
ANYCALSUP	1	2.4531	0.1173
RIAGENDR	1	140.2479	<.0001
age	2	574.7245	<.0001
RIDRETH1	4	39.7464	<.0001
bmigrp	2	2.3077	0.3154

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-6.3288	0.5345	140.2223	<.0001
ANYCALSUP	Used any calcium supp	1	0.3175	0.2027	2.4531	0.1173
RIAGENDR	Female	1	2.1524	0.1817	140.2479	<.0001
age	20-39	1	-2.4076	0.3377	50.8399	<.0001
age	>= 60	1	1.6374	0.2205	55.1526	<.0001
RIDRETH1	Mex-Amer	1	0.7170	0.4197	2.9184	0.0876
RIDRETH1	Non-hisp Black	1	-0.2790	0.3424	0.6639	0.4152
RIDRETH1	Non-hisp White	1	1.1081	0.3387	10.7010	0.0011
RIDRETH1	Oth Hisp	1	-0.9011	1.0544	0.7303	0.3928
bmigrp	BMI < 25	1	0.3146	0.2709	1.3485	0.2455
bmigrp	BMI >= 30	1	-0.00224	0.1843	0.0001	0.9903

Odds Ratio Estimates

Effect		Point Estimate	95% Wald Confidence Limits	
ANYCALSUP	Used any calcium supp vs No supp use	1.374	0.923	2.044
RIAGENDR	Female vs Male	8.605	6.026	12.287
age	20-39 vs 40-59	0.090	0.046	0.175
age	>= 60 vs 40-59	5.142	3.338	7.921
RIDRETH1	Mex-Amer vs Other/Multi	2.048	0.900	4.663
RIDRETH1	Non-hisp Black vs Other/Multi	0.757	0.387	1.480
RIDRETH1	Non-hisp White vs Other/Multi	3.029	1.559	5.883
RIDRETH1	Oth Hisp vs Other/Multi	0.406	0.051	3.208
bmigrp	BMI < 25 vs 25<=BMI<30	1.370	0.805	2.330
bmigrp	BMI >= 30 vs 25<=BMI<30	0.998	0.695	1.432

Association of Predicted Probabilities and Observed Responses

Percent Concordant	86.5	Somers' D	0.761
Percent Discordant	10.4	Gamma	0.786
Percent Tied	3.1	Tau-a	0.074
Pairs	1043630	c	0.880