PROC SURVEYLOGISTIC - CHIS.CHIS_DATA_FINAL - Full Association

The SURVEYLOGISTIC Procedure

Model Information		
Data Set	CHIS.CHIS_DATA_FINAL	
Response Variable	RBMI	BMI DESCRIPTIVE
Number of Response Levels	4	
Weight Variable	fnwgt0	
Model	Generalized Logit	
Optimization Technique	Newton-Raphson	

Number of Observations Read	124521
Number of Observations Used	124521
Sum of Weights Read	28246634
Sum of Weights Used	28246634

Response Profile			
Ordered Value	RBMI	Total Frequency	Total Weight
1	Normal 18.5-24.99	46048	10426170
2	Obese 30.0+	32625	7401546
3	Overweight 25.0-29.99	43640	9951359
4	Underweight 0-18.49	2208	467558

Logits modeled use RBMI='Normal 18.5-24.99' as the reference category.

Class Level Information					
Class	Value	Design Variables			
AC42_P	Always	-1	-1	-1	-1
	Does Eat/Shop for Fruits & Vegetables	1	0	0	0
	Never	0	1	0	0
	Sometimes	0	0	1	0
	Usually	0	0	0	1
AC44	Always	-1	-1	-1	-1
	Inapplicable	1	0	0	0
	Never	0	1	0	0
	Sometimes	0	0	1	0
	Usually	0	0	0	1

Variance Estimation	
Method	Jackknife
Replicate Weights	CHIS_DATA_FINAL
Number of Replicates	160

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	65207083	65055797
SC	65207129	65056161
-2 Log L	65207077	65055749

Testing Global Null Hypothesis: BETA=0				
Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	24.48	16.4529	2632.47	<.0001
Score	7.54	21	160	<.0001
Wald	7.73	21	160	<.0001
NOTE: Second-order Rao-Scott design correction 0.2764 applied to the Likelihood Ratio test.				

Type 3 Analysis of Effects				
Effect	F Value	Num DF	Den DF	Pr > F
AC42_P	2.90	12	160	0.0012
AC44	9.37	9	160	<.0001

Note: The following parameters have been set to 0, since the variables are a linear combination of other variables as shown.

AC44Usually_Obese 30.0+ =	-Intercept_Obese 30.0+ - 3 * AC42_PDoes Eat/Shop for Fruits & - 3 * AC42_PNever_Obese 30.0+ + 2 * AC42_PSometimes_Obese 30.0+ + 2 * AC42_PUsually_Obese 30.0+ + 4 * AC44Inapplicable_Obese 30.0+ - AC44Never_Obese 30.0+ - AC44Sometimes_Obese 30.0+
AC44Usually_Overweight 25.0-29.9 =	-Intercept_Overweight 25.0-29.99 - 3 * AC42_PDoes Eat/Shop for Fruits & - 3 * AC42_PNever_Overweight 25.0-29.9 + 2 * AC42_PSometimes_Overweight 25.0- + 2 * AC42_PUsually_Overweight 25.0-29 + 4 * AC44Inapplicable_Overweight 25.0 - AC44Never_Overweight 25.0-29.99 - AC44Sometimes_Overweight 25.0-29
AC44Usually_Underweight 0-18.49 =	-Intercept_Underweight 0-18.49 - 3 * AC42_PDoes Eat/Shop for Fruits & - 3 * AC42_PNever_Underweight 0-18.49 + 2 * AC42_PSometimes_Underweight 0-18 + 2 * AC42_PUsually_Underweight 0-18.4 + 4 * AC44Inapplicable_Underweight 0-1 - AC44Never_Underweight 0-18.49 - AC44Sometimes_Underweight 0-18.4

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Analysis of Maximum Likelihood Estimates						
Parameter		RBMI	Estimate	Standard Error	t Value	Pr > |t|
Intercept		Obese 30.0+	-0.1252	0.0791	-1.58	0.1152
Intercept		Overweight 25.0-29.99	0.0512	0.0634	0.81	0.4206
Intercept		Underweight 0-18.49	-2.9836	0.2256	-13.22	<.0001
AC42_P	Does Eat/Shop for Fruits & Vegetables	Obese 30.0+	0.1367	0.1836	0.74	0.4575
AC42_P	Does Eat/Shop for Fruits & Vegetables	Overweight 25.0-29.99	0.2992	0.1449	2.06	0.0406
AC42_P	Does Eat/Shop for Fruits & Vegetables	Underweight 0-18.49	0.3086	0.5247	0.59	0.5573
AC42_P	Never	Obese 30.0+	0.6106	0.1419	4.30	<.0001
AC42_P	Never	Overweight 25.0-29.99	0.1570	0.1211	1.30	0.1969
AC42_P	Never	Underweight 0-18.49	-0.3640	0.4661	-0.78	0.4359
AC42_P	Sometimes	Obese 30.0+	-0.1936	0.1025	-1.89	0.0608
AC42_P	Sometimes	Overweight 25.0-29.99	-0.1223	0.0817	-1.50	0.1365
AC42_P	Sometimes	Underweight 0-18.49	0.0818	0.2907	0.28	0.7787
AC42_P	Usually	Obese 30.0+	-0.2789	0.0988	-2.82	0.0053
AC42_P	Usually	Overweight 25.0-29.99	-0.1614	0.0783	-2.06	0.0409
AC42_P	Usually	Underweight 0-18.49	0.0409	0.2701	0.15	0.8798
AC44	Inapplicable	Obese 30.0+	-0.6098	0.1872	-3.26	0.0014
AC44	Inapplicable	Overweight 25.0-29.99	-0.3283	0.1466	-2.24	0.0265
AC44	Inapplicable	Underweight 0-18.49	0.1584	0.5828	0.27	0.7861
AC44	Never	Obese 30.0+	0.3435	0.1515	2.27	0.0247
AC44	Never	Overweight 25.0-29.99	0.0954	0.1353	0.70	0.4819
AC44	Never	Underweight 0-18.49	0.0227	0.4583	0.05	0.9605
AC44	Sometimes	Obese 30.0+	0.3280	0.0491	6.68	<.0001
AC44	Sometimes	Overweight 25.0-29.99	0.1491	0.0456	3.27	0.0013
AC44	Sometimes	Underweight 0-18.49	-0.00237	0.1535	-0.02	0.9877
AC44	Usually	Obese 30.0+	0	.	.	.
AC44	Usually	Overweight 25.0-29.99	0	.	.	.
AC44	Usually	Underweight 0-18.49	0	.	.	.
NOTE: The degrees of freedom for the t tests is 160.						

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Odds Ratio Estimates				
Effect	RBMI	Point Estimate	95% Confidence Limits	
AC42_P Does Eat/Shop for Fruits & Vegetables vs Always	Obese 30.0+	1.509	0.883	2.579
AC42_P Does Eat/Shop for Fruits & Vegetables vs Always	Overweight 25.0-29.99	1.603	1.064	2.414
AC42_P Does Eat/Shop for Fruits & Vegetables vs Always	Underweight 0-18.49	1.456	0.308	6.888
AC42_P Never vs Always	Obese 30.0+	2.424	1.557	3.775
AC42_P Never vs Always	Overweight 25.0-29.99	1.390	0.972	1.989
AC42_P Never vs Always	Underweight 0-18.49	0.743	0.178	3.110
AC42_P Sometimes vs Always	Obese 30.0+	1.085	0.966	1.218
AC42_P Sometimes vs Always	Overweight 25.0-29.99	1.051	0.950	1.164
AC42_P Sometimes vs Always	Underweight 0-18.49	1.161	0.846	1.593
AC42_P Usually vs Always	Obese 30.0+	0.996	0.884	1.121
AC42_P Usually vs Always	Overweight 25.0-29.99	1.011	0.916	1.116
AC42_P Usually vs Always	Underweight 0-18.49	1.114	0.792	1.567
AC44 Inapplicable vs Always	Obese 30.0+	0.578	0.382	0.875
AC44 Inapplicable vs Always	Overweight 25.0-29.99	0.662	0.480	0.914
AC44 Inapplicable vs Always	Underweight 0-18.49	1.401	0.359	5.467
AC44 Never vs Always	Obese 30.0+	1.500	1.111	2.024
AC44 Never vs Always	Overweight 25.0-29.99	1.012	0.767	1.334
AC44 Never vs Always	Underweight 0-18.49	1.223	0.516	2.902
AC44 Sometimes vs Always	Obese 30.0+	1.477	1.334	1.635
AC44 Sometimes vs Always	Overweight 25.0-29.99	1.068	0.981	1.162
AC44 Sometimes vs Always	Underweight 0-18.49	1.193	0.890	1.600
NOTE: The degrees of freedom in computing the confidence limits is 160.				