

**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	65037093
SC	65207129	65037729
-2 Log L	65207077	65037009

Testing Global Null Hypothesis: BETA=0				
Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	13.71	25.9811	4156.98	<.0001
Score	7.13	39	160	<.0001
Wald	5.53	39	160	<.0001
NOTE: Second-order Rao-Scott design correction 0.5011 applied to the Likelihood Ratio test.				

Joint Tests				
Effect	F Value	Num DF	Den DF	Pr > F
AC42_P*AC44	5.53	39	160	<.0001

**Note:** Under full-rank parameterizations, Type 3 effect tests are replaced by joint tests. The joint test for an effect is a test that all the parameters associated with that effect are zero. Such joint tests might not be equivalent to Type 3 effect tests under GLM parameterization.

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

AC42_PNeverAC44Never_Obese 30.0+ =	AC42_PDoes Eat/Shop for Fruits 2
AC42_PNeverAC44Never_Overweight =	AC42_PDoes Eat/Shop for Fruits 2
AC42_PNeverAC44Never_Underweight =	AC42_PDoes Eat/Shop for Fruits 2
AC42_PNeverAC44Sometimes_Obese 3 =	AC42_PDoes Eat/Shop for Fruits 3
AC42_PNeverAC44Sometimes_Overwei =	AC42_PDoes Eat/Shop for Fruits 3
AC42_PNeverAC44Sometimes_Underwe =	AC42_PDoes Eat/Shop for Fruits 3
AC42_PNeverAC44Usually_Obese 30. =	AC42_PDoes Eat/Shop for Fruits 4
AC42_PNeverAC44Usually_Overweigh =	AC42_PDoes Eat/Shop for Fruits 4
AC42_PNeverAC44Usually_Underweig =	AC42_PDoes Eat/Shop for Fruits 4

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Analysis of Maximum Likelihood Estimates							
Parameter			RBMI	Estimate	Standard Error	t Value	Pr >  t
Intercept			Obese 30.0+	-0.1694	0.0602	-2.82	0.0055
Intercept			Overweight 25.0-29.99	0.00419	0.0539	0.08	0.9381
Intercept			Underweight 0-18.49	-3.2539	0.2313	-14.07	<.0001
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Inapplicable	Obese 30.0+	-0.4289	0.1642	-2.61	0.0099
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Inapplicable	Overweight 25.0-29.99	0.0179	0.1567	0.11	0.9093
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Inapplicable	Underweight 0-18.49	0.7370	0.6227	1.18	0.2383
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Never	Obese 30.0+	-0.5380	0.3965	-1.36	0.1767
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Never	Overweight 25.0-29.99	-0.1196	0.3533	-0.34	0.7355
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Never	Underweight 0-18.49	1.1889	1.5104	0.79	0.4324
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Sometimes	Obese 30.0+	-0.2908	0.1940	-1.50	0.1358
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Sometimes	Overweight 25.0-29.99	-0.1081	0.1949	-0.55	0.5798
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Sometimes	Underweight 0-18.49	-0.8039	0.7571	-1.06	0.2899
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Usually	Obese 30.0+	0.5988	0.2081	2.88	0.0046
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Usually	Overweight 25.0-29.99	0.3111	0.1775	1.75	0.0815
AC42_P*AC44	Does Eat/Shop for Fruits & Vegetables	Usually	Underweight 0-18.49	-0.3177	0.7614	-0.42	0.6770
AC42_P*AC44	Never	Inapplicable	Obese 30.0+	0.0450	0.1126	0.40	0.6897
AC42_P*AC44	Never	Inapplicable	Overweight 25.0-29.99	-0.1243	0.1287	-0.97	0.3353
AC42_P*AC44	Never	Inapplicable	Underweight 0-18.49	0.0646	0.3512	0.18	0.8543
AC42_P*AC44	Never	Never	Obese 30.0+	0	.	.	.
AC42_P*AC44	Never	Never	Overweight 25.0-29.99	0	.	.	.
AC42_P*AC44	Never	Never	Underweight 0-18.49	0	.	.	.
AC42_P*AC44	Never	Sometimes	Obese 30.0+	0	.	.	.
AC42_P*AC44	Never	Sometimes	Overweight 25.0-29.99	0	.	.	.
AC42_P*AC44	Never	Sometimes	Underweight 0-18.49	0	.	.	.
AC42_P*AC44	Never	Usually	Obese 30.0+	0	.	.	.
AC42_P*AC44	Never	Usually	Overweight 25.0-29.99	0	.	.	.

NOTE: The degrees of freedom for the t tests is 160.

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Analysis of Maximum Likelihood Estimates							
Parameter			RBMI	Estimate	Standard Error	t Value	Pr >  t
AC42_P*AC44	Never	Usually	Underweight 0-18.49	0	.	.	.
AC42_P*AC44	Sometimes	Inapplicable	Obese 30.0+	-0.1936	0.2613	-0.74	0.4599
AC42_P*AC44	Sometimes	Inapplicable	Overweight 25.0-29.99	-0.0173	0.2547	-0.07	0.9458
AC42_P*AC44	Sometimes	Inapplicable	Underweight 0-18.49	-1.0520	1.1340	-0.93	0.3550
AC42_P*AC44	Sometimes	Never	Obese 30.0+	0.2881	0.2749	1.05	0.2961
AC42_P*AC44	Sometimes	Never	Overweight 25.0-29.99	0.0266	0.2583	0.10	0.9180
AC42_P*AC44	Sometimes	Never	Underweight 0-18.49	0.3821	1.3005	0.29	0.7693
AC42_P*AC44	Sometimes	Sometimes	Obese 30.0+	0.1028	0.0896	1.15	0.2529
AC42_P*AC44	Sometimes	Sometimes	Overweight 25.0-29.99	0.0748	0.0955	0.78	0.4346
AC42_P*AC44	Sometimes	Sometimes	Underweight 0-18.49	0.5095	0.3280	1.55	0.1223
AC42_P*AC44	Sometimes	Usually	Obese 30.0+	-0.1187	0.1139	-1.04	0.2990
AC42_P*AC44	Sometimes	Usually	Overweight 25.0-29.99	-0.0294	0.1039	-0.28	0.7778
AC42_P*AC44	Sometimes	Usually	Underweight 0-18.49	-0.1088	0.3680	-0.30	0.7679
AC42_P*AC44	Usually	Inapplicable	Obese 30.0+	0.2051	0.3001	0.68	0.4952
AC42_P*AC44	Usually	Inapplicable	Overweight 25.0-29.99	-0.0899	0.2855	-0.31	0.7532
AC42_P*AC44	Usually	Inapplicable	Underweight 0-18.49	1.1114	1.1915	0.93	0.3523
AC42_P*AC44	Usually	Never	Obese 30.0+	0.2223	0.3697	0.60	0.5484
AC42_P*AC44	Usually	Never	Overweight 25.0-29.99	0.1733	0.3311	0.52	0.6015
AC42_P*AC44	Usually	Never	Underweight 0-18.49	-1.9950	1.3905	-1.43	0.1533
AC42_P*AC44	Usually	Sometimes	Obese 30.0+	0.0552	0.1017	0.54	0.5883
AC42_P*AC44	Usually	Sometimes	Overweight 25.0-29.99	0.00215	0.0961	0.02	0.9821
AC42_P*AC44	Usually	Sometimes	Underweight 0-18.49	0.1152	0.3119	0.37	0.7125
AC42_P*AC44	Usually	Usually	Obese 30.0+	-0.2500	0.0988	-2.53	0.0124
AC42_P*AC44	Usually	Usually	Overweight 25.0-29.99	-0.1634	0.0779	-2.10	0.0375
AC42_P*AC44	Usually	Usually	Underweight 0-18.49	0.1439	0.3031	0.47	0.6354
NOTE: The degrees of freedom for the t tests is 160.							