PROC SURVEYLOGISTIC - CHIS.CHIS_DATA_FINAL - Full Association

The SURVEYLOGISTIC Procedure

Model Information		
Data Set	CHIS.CHIS_DATA_FINAL	
Response Variable	POVLL	POVERTY LEVEL
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	POVLL	Total Frequency	Total Weight
1	0-99% FPL	18295	4706950
2	100-199% FPL	22822	5528155
3	200-299% FPL	17229	3973723
4	300% FPL and Above	66175	14037805

Logits modeled use POVLL='300   % FPL and Above' as the reference category.

Class Level Information		Design Variables			
Class	Value				
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	70121394	68030847
SC	70121439	68031211
-2 Log L	70121388	68030799

Testing Global Null Hypothesis: BETA=0				
Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	367.80	17.2486	2759.78	<.0001
Score	107.84	21	160	<.0001
Wald	101.82	21	160	<.0001
NOTE: Second-order Rao-Scott design correction 0.2175 applied to the Likelihood Ratio test.				

Type 3 Analysis of Effects				
Effect	F Value	Num DF	Den DF	Pr > F
AC42_P	32.18	12	160	<.0001
AC44	98.30	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_0-99% FPL =	-Intercept_0-99% FPL - 3 * AC42_PDoes Eat/Shop for Fruits & - 3 * AC42_PNever_0-99% FPL + 2 * AC42_PSometimes_0-99% FPL + 2 * AC42_PUsually_0-99% FPL + 4 * AC44Inapplicable_0-99% FPL - AC44Never_0-99% FPL - AC44Sometimes_0-99% FPL
AC44Usually_100-199% FPL =	-Intercept_100-199% FPL - 3 * AC42_PDoes Eat/Shop for Fruits & - 3 * AC42_PNever_100-199% FPL + 2 * AC42_PSometimes_100-199% FPL + 2 * AC42_PUsually_100-199% FPL + 4 * AC44Inapplicable_100-199% FPL - AC44Never_100-199% FPL - AC44Sometimes_100-199% FPL
AC44Usually_200-299% FPL =	-Intercept_200-299% FPL - 3 * AC42_PDoes Eat/Shop for Fruits & - 3 * AC42_PNever_200-299% FPL + 2 * AC42_PSometimes_200-299% FPL + 2 * AC42_PUsually_200-299% FPL + 4 * AC44Inapplicable_200-299% FPL - AC44Never_200-299% FPL - AC44Sometimes_200-299% FPL

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Parameter		POVLL	Estimate	Standard Error	t Value	Pr > |t|
Analysis of Maximum Likelihood Estimates						
Intercept		0-99% FPL	-0.1909	0.0730	-2.62	0.0097
Intercept		100-199% FPL	-0.1920	0.0725	-2.65	0.0089
Intercept		200-299% FPL	-0.7507	0.0934	-8.04	<.0001
AC42_P	Does Eat/Shop for Fruits & Vegetables	0-99% FPL	0.7644	0.1705	4.48	<.0001
AC42_P	Does Eat/Shop for Fruits & Vegetables	100-199% FPL	0.5510	0.1740	3.17	0.0018
AC42_P	Does Eat/Shop for Fruits & Vegetables	200-299% FPL	0.3272	0.2069	1.58	0.1157
AC42_P	Never	0-99% FPL	0.7989	0.1594	5.01	<.0001
AC42_P	Never	100-199% FPL	0.5738	0.1395	4.11	<.0001
AC42_P	Never	200-299% FPL	0.3638	0.1769	2.06	0.0414
AC42_P	Sometimes	0-99% FPL	-0.1171	0.1042	-1.12	0.2629
AC42_P	Sometimes	100-199% FPL	-0.0845	0.1002	-0.84	0.4001
AC42_P	Sometimes	200-299% FPL	0.0129	0.1219	0.11	0.9157
AC42_P	Usually	0-99% FPL	-0.3959	0.1012	-3.91	0.0001
AC42_P	Usually	100-199% FPL	-0.2371	0.0929	-2.55	0.0117
AC42_P	Usually	200-299% FPL	-0.1880	0.1221	-1.54	0.1256
AC44	Inapplicable	0-99% FPL	-0.9726	0.2043	-4.76	<.0001
AC44	Inapplicable	100-199% FPL	-0.6868	0.1789	-3.84	0.0002
AC44	Inapplicable	200-299% FPL	-0.3749	0.2263	-1.66	0.0996
AC44	Never	0-99% FPL	0.6908	0.1612	4.29	<.0001
AC44	Never	100-199% FPL	0.5160	0.1516	3.40	0.0008
AC44	Never	200-299% FPL	0.2897	0.1893	1.53	0.1279
AC44	Sometimes	0-99% FPL	0.7721	0.0568	13.58	<.0001
AC44	Sometimes	100-199% FPL	0.6269	0.0490	12.79	<.0001
AC44	Sometimes	200-299% FPL	0.3829	0.0608	6.30	<.0001
AC44	Usually	0-99% FPL	0	.	.	.
AC44	Usually	100-199% FPL	0	.	.	.
AC44	Usually	200-299% FPL	0	.	.	.
NOTE: The degrees of freedom for the t tests is 160.						

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Odds Ratio Estimates				
Effect	POVLL	Point Estimate	95% Confidence Limits	
AC42_P Does Eat/Shop for Fruits & Vegetables vs Always	0-99% FPL	6.139	3.708	10.165
AC42_P Does Eat/Shop for Fruits & Vegetables vs Always	100-199% FPL	3.873	2.357	6.364
AC42_P Does Eat/Shop for Fruits & Vegetables vs Always	200-299% FPL	2.323	1.271	4.248
AC42_P Never vs Always	0-99% FPL	6.355	3.922	10.299
AC42_P Never vs Always	100-199% FPL	3.962	2.597	6.046
AC42_P Never vs Always	200-299% FPL	2.410	1.399	4.151
AC42_P Sometimes vs Always	0-99% FPL	2.543	2.232	2.897
AC42_P Sometimes vs Always	100-199% FPL	2.051	1.803	2.334
AC42_P Sometimes vs Always	200-299% FPL	1.697	1.463	1.968
AC42_P Usually vs Always	0-99% FPL	1.924	1.706	2.169
AC42_P Usually vs Always	100-199% FPL	1.761	1.565	1.982
AC42_P Usually vs Always	200-299% FPL	1.388	1.209	1.593
AC44 Inapplicable vs Always	0-99% FPL	0.617	0.385	0.990
AC44 Inapplicable vs Always	100-199% FPL	0.794	0.532	1.184
AC44 Inapplicable vs Always	200-299% FPL	0.926	0.563	1.523
AC44 Never vs Always	0-99% FPL	3.258	2.361	4.495
AC44 Never vs Always	100-199% FPL	2.644	1.958	3.570
AC44 Never vs Always	200-299% FPL	1.799	1.238	2.615
AC44 Sometimes vs Always	0-99% FPL	3.534	3.182	3.926
AC44 Sometimes vs Always	100-199% FPL	2.953	2.664	3.274
AC44 Sometimes vs Always	200-299% FPL	1.975	1.784	2.186
NOTE: The degrees of freedom in computing the confidence limits is 160.				