The SURVEYLOGISTIC Procedure

Model Information					
Data Set	CHIS.CHIS_DATA_BINOMIAL_ED2				
Response Variable	asthmaesc	ED/UC Asthma Visit			
Number of Response Levels	2				
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	asthmaesc	Total Frequency	Total Weight		
1	1 Asthmatic Escalation	1095	237259		
2	2 No Asthma Escalation	123426	28009375		

Logits modeled use asthmaesc='2 No Asthma Escalation' as the reference category.

	Class Level Information					
Class	Value	Design Variables				
SRSEX	Female	1				
	Male	-1				
race	African American	1	0	0	0	0
	American Indian / Alaska Native	0	1	0	0	0
	Asian	0	0	1	0	0
	Latino	0	0	0	1	0
	Multiracial / Other	0	0	0	0	1
	White	-1	-1	-1	-1	-1
pfpl	0-99% FPL	1				
	100% FPL and Above	-1				

Variance Estimation				
Method Jackknife				
Replicate Weights	CHIS_DATA_BINOMIAL_ED2			
Number of Replicates	160			

The SURVEYLOGISTIC Procedure

Model Convergence Status

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

Model Fit Statistics					
Criterion	Intercept Only	Intercept and Covariates			
AIC	2740515.8	2598447.0			
SC	2740531.0	2598568.3			
-2 Log L	2740513.8	2598431.0			

R-Square 0.0050	Max-rescaled R-Square	0.0543
------------------------	-----------------------	--------

Testing Global Null Hypothesis: BETA=0						
Test	F Value	Num DF	Den DF	Pr > F		
Likelihood Ratio	68.01	6.4127	1026.04	<.0001		
Score	10.80	7	160	<.0001		
Wald	19.00	7	160	<.0001		

NOTE:

Second-order Rao-Scott design correction 0.0916 applied to the Likelihood Ratio test.

Type 3 Analysis of Effects						
Effect	F Value	Num DF	Den DF	Pr > F		
SRSEX	30.77	1	160	<.0001		
race	13.48	5	160	<.0001		
pfpl	23.60	1	160	<.0001		

	Analysis of Maximum Likelihood Estimates						
Parameter		asthmaesc	Estimate	Standard Error	t Value	Pr > t	Standardized Estimate
Intercept		1 Asthmatic Escalation	-4.5112	0.1225	-36.83	<.0001	
SRSEX	Female	1 Asthmatic Escalation	0.4845	0.0873	5.55	<.0001	4.0224
race	African American	1 Asthmatic Escalation	1.0205	0.1666	6.13	<.0001	4.9819
race	American Indian / Alaska Native	1 Asthmatic Escalation	0.3917	0.4218	0.93	0.3544	1.6384
race	Asian	1 Asthmatic Escalation	-0.9139	0.2346	-3.90	0.0001	-5.2761
race	Latino	1 Asthmatic Escalation	-0.2303	0.1523	-1.51	0.1324	-1.6766
race	Multiracial / Other	1 Asthmatic Escalation	0.1112	0.2443	0.46	0.6495	0.4980
pfpl	0-99% FPL	1 Asthmatic Escalation	0.3503	0.0721	4.86	<.0001	2.1680
	NOTE: The	e degrees of freedom for the	he t tests is	160.			

The SURVEYLOGISTIC Procedure

Odds Ratio Estimates						
95% Point Confider Effect asthmaesc Estimate Limits						
SRSEX Female vs Male	1 Asthmatic Escalation	2.636	1.867	3.721		
race African American vs White	1 Asthmatic Escalation	4.054	2.770	5.933		
race American Indian / Alaska Native vs White	1 Asthmatic Escalation	2.162	0.787	5.941		
race Asian vs White	1 Asthmatic Escalation	0.586	0.347	0.990		
race Latino vs White	1 Asthmatic Escalation	1.161	0.832	1.620		
race Multiracial / Other vs White	1 Asthmatic Escalation	1.633	0.913	2.923		
pfpl 0-99% FPL vs 100% FPL and Above	1 Asthmatic Escalation	2.015	1.516	2.679		
NOTE: The degrees of freedom in cor	NOTE: The degrees of freedom in computing the confidence limits is 160.					

Association of Predicted Probabilities and Observed Responses						
Percent Concordant 0.4 Somers' D 0.002						
Percent Discordant	0.2	Gamma	0.434			
Percent Tied	99.5 Tau-a 0.00					
Pairs	20101233902	С	0.501			

The SURVEYLOGISTIC Procedure

Estimated Covariance Matrix						
Parameter	Intercept_1 Asthmatic Escalation	SRSEXFemale_1 Asthmatic Escalati	raceAfrican American_1 Asthmatic	raceAmerican Indian / Alaska Nat		
Intercept_1 Asthmatic Escalation	0.015003	-0.00511	-0.00846	0.02629		
SRSEXFemale_1 Asthmatic Escalati	-0.00511	0.00763	0.003451	-0.00021		
raceAfrican American_1 Asthmatic	-0.00846	0.003451	0.02775	-0.03439		
raceAmerican Indian / Alaska Nat	0.02629	-0.00021	-0.03439	0.177887		
raceAsian_1 Asthmatic Escalation	0.00078	-0.00317	-0.0019	-0.03975		
raceLatino_1 Asthmatic Escalatio	-0.00879	0.000361	0.00158	-0.02782		
raceMultiracial / Other_1 Asthma	0.002652	-0.00369	0.001555	-0.04398		
pfpl0-99% FPL_1 Asthmatic Escala	0.000439	0.00023	0.000413	-0.00319		

Estimated Covariance Matrix							
Parameter	raceAsian_1 Asthmatic Escalation	raceLatino_1 Asthmatic Escalatio	raceMultiracial / Other_1 Asthma	pfpl0-99% FPL_1 Asthmatic Escala			
Intercept_1 Asthmatic Escalation	0.00078	-0.00879	0.002652	0.000439			
SRSEXFemale_1 Asthmatic Escalati	-0.00317	0.000361	-0.00369	0.00023			
raceAfrican American_1 Asthmatic	-0.0019	0.00158	0.001555	0.000413			
raceAmerican Indian / Alaska Nat	-0.03975	-0.02782	-0.04398	-0.00319			
raceAsian_1 Asthmatic Escalation	0.055041	-0.00315	-0.01255	0.001728			
raceLatino_1 Asthmatic Escalatio	-0.00315	0.023188	-0.00126	-0.00243			
raceMultiracial / Other_1 Asthma	-0.01255	-0.00126	0.059698	0.000695			
pfpl0-99% FPL_1 Asthmatic Escala	0.001728	-0.00243	0.000695	0.005199			

The SURVEYLOGISTIC Procedure

Estimated Correlation Matrix						
Parameter	Intercept_1 Asthmatic Escalation	SRSEXFemale_1 Asthmatic Escalati	raceAfrican American_1 Asthmatic	raceAmerican Indian / Alaska Nat		
Intercept_1 Asthmatic Escalation	1.0000	-0.4775	-0.4146	0.5089		
SRSEXFemale_1 Asthmatic Escalati	-0.4775	1.0000	0.2372	-0.0058		
raceAfrican American_1 Asthmatic	-0.4146	0.2372	1.0000	-0.4895		
raceAmerican Indian / Alaska Nat	0.5089	-0.0058	-0.4895	1.0000		
raceAsian_1 Asthmatic Escalation	0.0271	-0.1546	-0.0485	-0.4017		
raceLatino_1 Asthmatic Escalatio	-0.4713	0.0271	0.0623	-0.4331		
raceMultiracial / Other_1 Asthma	0.0886	-0.1731	0.0382	-0.4268		
pfpl0-99% FPL_1 Asthmatic Escala	0.0497	0.0364	0.0343	-0.1050		

Estimated Correlation Matrix							
Parameter	raceAsian_1 Asthmatic Escalation	raceLatino_1 Asthmatic Escalatio	raceMultiracial / Other_1 Asthma	pfpl0-99% FPL_1 Asthmatic Escala			
Intercept_1 Asthmatic Escalation	0.0271	-0.4713	0.0886	0.0497			
SRSEXFemale_1 Asthmatic Escalati	-0.1546	0.0271	-0.1731	0.0364			
raceAfrican American_1 Asthmatic	-0.0485	0.0623	0.0382	0.0343			
raceAmerican Indian / Alaska Nat	-0.4017	-0.4331	-0.4268	-0.1050			
raceAsian_1 Asthmatic Escalation	1.0000	-0.0881	-0.2190	0.1022			
raceLatino_1 Asthmatic Escalatio	-0.0881	1.0000	-0.0340	-0.2210			
raceMultiracial / Other_1 Asthma	-0.2190	-0.0340	1.0000	0.0394			
pfpl0-99% FPL_1 Asthmatic Escala	0.1022	-0.2210	0.0394	1.0000			

Classification Table									
	Correct Incorrect Percentages								
Prob Level	Event	Non- Event	Event	Non- Event	Correct	Sensi- tivity	Speci- ficity	Pos Pred	Neg Pred
0.852	23	123E3	264	1072	98.9	2.1	99.8	8.0	99.1

The SURVEYLOGISTIC Procedure

Domain Analysis for domain analyzeData=1

Model Information					
Data Set	CHIS.CHIS_DATA_BINOMIAL_ED2				
Response Variable	asthmaesc	ED/UC Asthma Visit			
Number of Response Levels	2				
Weight Variable	fnwgt0				
Model	Generalized Logit				
Optimization Technique	Newton-Raphson				

Number of Observations Read	124521
Number of Observations Used	124521
Sum of Weights Read	2765889
Sum of Weights Used	2765889

Response Profile				
Ordered Value	asthmaesc	Total Frequency	Total Weight	
1	1 Asthmatic Escalation	1095	237258.9	
2	2 No Asthma Escalation	12495	2528630.5	

Logits modeled use asthmaesc='2 No Asthma Escalation' as the reference category.

	Class Level Information					
Class	Value	Design Variables				
SRSEX	Female	1				
	Male	-1				
race	African American	1	0	0	0	0
	American Indian / Alaska Native	0	1	0	0	0
	Asian	0	0	1	0	0
	Latino	0	0	0	1	0
	Multiracial / Other	0	0	0	0	1
	White	-1	-1	-1	-1	-1
pfpl	0-99% FPL	1				
	100% FPL and Above	-1				

The SURVEYLOGISTIC Procedure

Domain Analysis for domain analyzeData=1

Domain Summary				
Number of Observations	124521			
Number of Observations in Domain	13590			
Number of Observations not in Domain	110931			
Sum of Weights in Domain	2765889.4			

Variance Estimation				
Method Jackknife				
Replicate Weights	CHIS_DATA_BINOMIAL_ED2			
Number of Replicates	160			

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

Model Fit Statistics				
Criterion	Intercept Only	Intercept and Covariates		
AIC	1618958.7	1538281.1		
SC	1618971.5	1538383.7		
-2 Log L	1618956.7	1538265.1		

R-Square 0.0288 Max-rescaled R-Square 0.06
--

Testing Global Null Hypothesis: BETA=0							
Test	Den DF	Pr > F					
Likelihood Ratio	44.13	6.2773	1004.37	<.0001			
Score	8.60	7	160	<.0001			
Wald	14.35	7	160	<.0001			

NOTE: Second-order Rao-Scott design correction 0.1151 applied to the Likelihood Ratio test.

Type 3 Analysis of Effects							
Effect F Value Num DF Den DF Pr > I							
SRSEX	8.49	1	160	0.0041			
race	11.58	5	160	<.0001			
pfpl	13.89	1	160	0.0003			

The SURVEYLOGISTIC Procedure

Domain Analysis for domain analyzeData=1

	Analysis of Maximum Likelihood Estimates								
Parameter		asthmaesc	Estimate	Standard Error	t Value	Pr > t	Standardized Estimate		
Intercept		1 Asthmatic Escalation	-2.3047	0.1312	-17.57	<.0001			
SRSEX	Female	1 Asthmatic Escalation	0.2573	0.0883	2.91	0.0041	0.6480		
race	African American	1 Asthmatic Escalation	0.9015	0.1676	5.38	<.0001	1.4953		
race	American Indian / Alaska Native	1 Asthmatic Escalation	-0.1568	0.4450	-0.35	0.7250	-0.2114		
race	Asian	1 Asthmatic Escalation	-0.3491	0.2407	-1.45	0.1489	-0.5989		
race	Latino	1 Asthmatic Escalation	0.2389	0.1610	1.48	0.1398	0.5272		
race	Multiracial / Other	1 Asthmatic Escalation	-0.2367	0.2684	-0.88	0.3792	-0.3528		
pfpl	0-99% FPL	1 Asthmatic Escalation	0.2669	0.0716	3.73	0.0003	0.5450		
	NOTE: The	e degrees of freedom for the	he t tests is	160.					

Odds Ratio Estimates							
Effect	asthmaesc	Point Estimate	95 Confid Lin	dence			
SRSEX Female vs Male	1 Asthmatic Escalation	1.673	1.180	2.371			
race African American vs White	1 Asthmatic Escalation	3.667	2.469	5.447			
race American Indian / Alaska Native vs White	1 Asthmatic Escalation	1.273	0.437	3.703			
race Asian vs White	1 Asthmatic Escalation	1.050	0.611	1.804			
race Latino vs White	1 Asthmatic Escalation	1.890	1.367	2.614			
race Multiracial / Other vs White	1 Asthmatic Escalation	1.175	0.612	2.257			
pfpl 0-99% FPL vs 100% FPL and Above	1 Asthmatic Escalation	1.705	1.285	2.263			
NOTE: The degrees of freedom in con	nputing the confidence lim	nits is 160.					

Association of Predicted Probabilities and Observed Responses							
Percent Concordant 54.5 Somers' D 0.252							
Percent Discordant	29.3	Gamma	0.300				
Percent Tied	16.1	Tau-a	0.037				
Pairs	13682025	С	0.626				

The SURVEYLOGISTIC Procedure

Domain Analysis for domain analyzeData=1

Estimated Covariance Matrix								
Parameter	Intercept_1 Asthmatic Escalation	SRSEXFemale_1 Asthmatic Escalati	raceAfrican American_1 Asthmatic	raceAmerican Indian / Alaska Nat				
Intercept_1 Asthmatic Escalation	0.01721	-0.00524	-0.00879	0.031373				
SRSEXFemale_1 Asthmatic Escalati	-0.00524	0.007797	0.00289	-0.00003				
raceAfrican American_1 Asthmatic	-0.00879	0.00289	0.028101	-0.0376				
raceAmerican Indian / Alaska Nat	0.031373	-0.00003	-0.0376	0.198035				
raceAsian_1 Asthmatic Escalation	-0.00163	-0.00054	0.000771	-0.0415				
raceLatino_1 Asthmatic Escalatio	-0.0105	0.000151	0.002856	-0.03604				
raceMultiracial / Other_1 Asthma	0.004762	-0.00587	0.000331	-0.04726				
pfpl0-99% FPL_1 Asthmatic Escala	0.000329	0.000109	-0.00027	-0.00444				

	Estimated Covariance Matrix								
Parameter	raceAsian_1 Asthmatic Escalation	raceLatino_1 Asthmatic Escalatio	raceMultiracial / Other_1 Asthma	pfpl0-99% FPL_1 Asthmatic Escala					
Intercept_1 Asthmatic Escalation	-0.00163	-0.0105	0.004762	0.000329					
SRSEXFemale_1 Asthmatic Escalati	-0.00054	0.000151	-0.00587	0.000109					
raceAfrican American_1 Asthmatic	0.000771	0.002856	0.000331	-0.00027					
raceAmerican Indian / Alaska Nat	-0.0415	-0.03604	-0.04726	-0.00444					
raceAsian_1 Asthmatic Escalation	0.057914	-0.00293	-0.01721	0.001527					
raceLatino_1 Asthmatic Escalatio	-0.00293	0.025918	-0.00086	-0.00029					
raceMultiracial / Other_1 Asthma	-0.01721	-0.00086	0.072019	0.000854					
pfpl0-99% FPL_1 Asthmatic Escala	0.001527	-0.00029	0.000854	0.005129					

The SURVEYLOGISTIC Procedure

Domain Analysis for domain analyzeData=1

Estimated Correlation Matrix								
Parameter	Intercept_1 SRSEXFemale_1 Asthmatic Asthmatic Parameter Escalation Escalati		raceAfrican American_1 Asthmatic	raceAmerican Indian / Alaska Nat				
Intercept_1 Asthmatic Escalation	1.0000	-0.4523	-0.3999	0.5374				
SRSEXFemale_1 Asthmatic Escalati	-0.4523	1.0000	0.1952	-0.0009				
raceAfrican American_1 Asthmatic	-0.3999	0.1952	1.0000	-0.5041				
raceAmerican Indian / Alaska Nat	0.5374	-0.0009	-0.5041	1.0000				
raceAsian_1 Asthmatic Escalation	-0.0515	-0.0253	0.0191	-0.3875				
raceLatino_1 Asthmatic Escalatio	-0.4974	0.0106	0.1058	-0.5030				
raceMultiracial / Other_1 Asthma	0.1353	-0.2479	0.0074	-0.3957				
pfpl0-99% FPL_1 Asthmatic Escala	0.0350	0.0172	-0.0221	-0.1393				

	Estimated Correlation Matrix								
Parameter	raceAsian_1 Asthmatic Escalation	raceLatino_1 Asthmatic Escalatio	raceMultiracial / Other_1 Asthma	pfpl0-99% FPL_1 Asthmatic Escala					
Intercept_1 Asthmatic Escalation	-0.0515	-0.4974	0.1353	0.0350					
SRSEXFemale_1 Asthmatic Escalati	-0.0253	0.0106	-0.2479	0.0172					
raceAfrican American_1 Asthmatic	0.0191	0.1058	0.0074	-0.0221					
raceAmerican Indian / Alaska Nat	-0.3875	-0.5030	-0.3957	-0.1393					
raceAsian_1 Asthmatic Escalation	1.0000	-0.0757	-0.2664	0.0886					
raceLatino_1 Asthmatic Escalatio	-0.0757	1.0000	-0.0198	-0.0253					
raceMultiracial / Other_1 Asthma	-0.2664	-0.0198	1.0000	0.0444					
pfpl0-99% FPL_1 Asthmatic Escala	0.0886	-0.0253	0.0444	1.0000					

Classification Table									
Correct Incorrect Percentages									
Prob Level	Event	Non- Event	Event	Non- Event	Correct	Sensi- tivity	Speci- ficity	Pos Pred	Neg Pred
0.852	210	123E3	378	885	99.0	19.2	99.7	35.7	99.3