#### The LOGISTIC Procedure

Model Information					
Data Set CHIS.CHIS_DATA_BINOMIAL_D					
Response Variable	nonasthmatic	Non-Asthmatic			
Number of Response Levels	2				
Weight Variable	fnwgt0				
Model	generalized logit				
Optimization Technique	Newton-Raphson				

Number of Observations Read	119710
Number of Observations Used	119710
Sum of Weights Read	26984609
Sum of Weights Used	26984609

Response Profile						
Ordered Value	nonasthmatic	Total Frequency	Total Weight			
1	1 Non-Asthmatic	106120	24218720			
2	2 Current Asthmatic	13590	2765889			

Logits modeled use nonasthmatic='1 Non-Asthmatic' as the reference category.

Class Level Information						
Class	Value	Design Variables				
SRSEX	Female	1				
	Male	-1				
CITIZEN2	Naturalized Citizen	-1	-1			
	Non-Citizen	1	0			
	US-Born Citizen	0	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				
INS	No	-1				
	Yes	1				

### The LOGISTIC Procedure

**Model Convergence Status** 

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

Model Fit Statistics						
Criterion	Intercept Only	Intercept and Covariates				
AIC	17838929	17219472				
SC	17838938	17219578				
-2 Log L	17838927	17219450				

R-Square 0.9943 Max-rescaled R-Square 0.9943

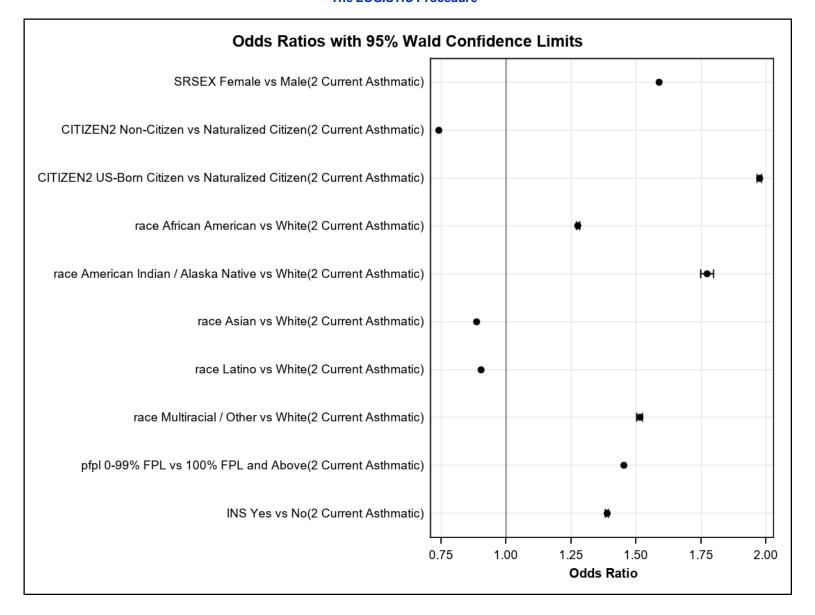
Testing Global Null Hypothesis: BETA=0						
Test Chi-Square DF Pr > ChiSo						
Likelihood Ratio	619477.148	10	<.0001			
Score	583309.771	10	<.0001			
Wald	552426.148	10	<.0001			

Type 3 Analysis of Effects						
Effect	DF	Wald Chi-Square	Pr > ChiSq			
SRSEX	1	122698.298	<.0001			
CITIZEN2	2	198656.359	<.0001			
race	5	40708.6973	<.0001			
pfpl	1	46559.9630	<.0001			
INS	1	21847.1475	<.0001			

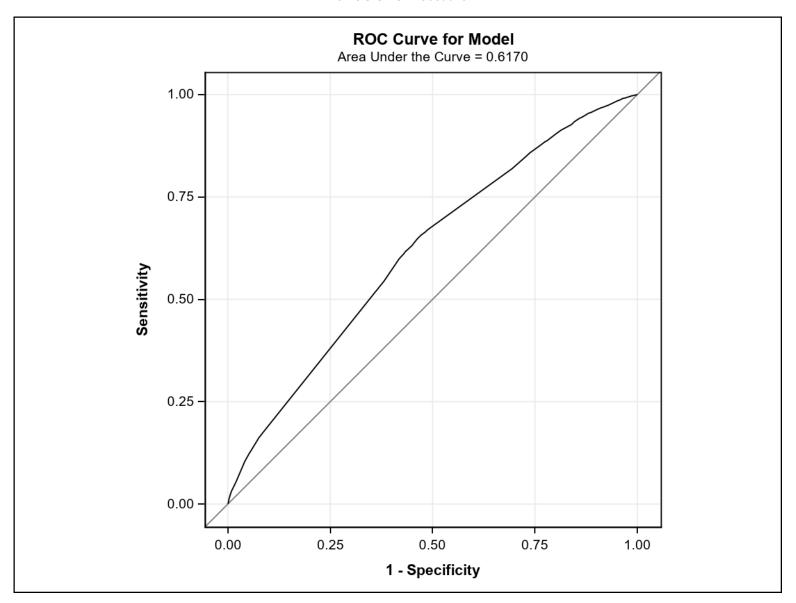
	Analysis of Maximum Likelihood Estimates								
Parameter		nonasthmatic	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq	Standardized Estimate	
Intercept		2 Current Asthmatic	1	-2.3550	0.00187	1584898.36	<.0001		
SRSEX	Female	2 Current Asthmatic	1	0.2315	0.000661	122698.298	<.0001	1.9155	
CITIZEN2	Non-Citizen	2 Current Asthmatic	1	-0.4262	0.00171	62391.7417	<.0001	-2.0714	
CITIZEN2	US-Born Citizen	2 Current Asthmatic	1	0.5533	0.00124	197738.922	<.0001	3.5655	
race	African American	2 Current Asthmatic	1	0.0762	0.00235	1051.9495	<.0001	0.3703	

	Analysis of Maximum Likelihood Estimates								
Parameter		nonasthmatic	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq	Standardized Estimate	
race	American Indian / Alaska Native	2 Current Asthmatic	1	0.4049	0.00583	4823.4507	<.0001	1.6880	
race	Asian	2 Current Asthmatic	1	-0.2897	0.00229	16041.1789	<.0001	-1.6669	
race	Latino	2 Current Asthmatic	1	-0.2696	0.00177	23286.9466	<.0001	-1.9590	
race	Multiracial / Other	2 Current Asthmatic	1	0.2463	0.00305	6539.8262	<.0001	1.0970	
pfpl	0-99% FPL	2 Current Asthmatic	1	0.1865	0.000864	46559.9630	<.0001	1.1559	
INS	Yes	2 Current Asthmatic	1	0.1641	0.00111	21847.1475	<.0001	0.9581	

Odds Ratio Estimates							
Effect	nonasthmatic	Point Estimate					
SRSEX Female vs Male	2 Current Asthmatic	1.589	1.585	1.593			
CITIZEN2 Non-Citizen vs Naturalized Citizen	2 Current Asthmatic	0.741	0.737	0.746			
CITIZEN2 US-Born Citizen vs Naturalized Citizen	2 Current Asthmatic	1.975	1.966	1.983			
race African American vs White	2 Current Asthmatic	1.277	1.271	1.283			
race American Indian / Alaska Native vs White	2 Current Asthmatic	1.774	1.749	1.798			
race Asian vs White	2 Current Asthmatic	0.886	0.881	0.890			
race Latino vs White	2 Current Asthmatic	0.903	0.900	0.906			
race Multiracial / Other vs White	2 Current Asthmatic	1.513	1.503	1.524			
pfpl 0-99% FPL vs 100% FPL and Above	2 Current Asthmatic	1.452	1.447	1.457			
INS Yes vs No	2 Current Asthmatic	1.388	1.382	1.394			



Association of Predicted Probabilities and Observed Responses							
Percent Concordant 55.0 Somers' D 0.234							
Percent Discordant	31.6	Gamma	0.270				
Percent Tied	13.4	Tau-a	0.047				
Pairs	1442170800	С	0.617				



	Estimated Covariance Matrix									
Parameter	Intercept_2 Current Asthmatic	SRSEXFemale_2 Current Asthmatic	CITIZEN2Non-Citizen_2 Current As	CITIZEN2US-Born Citizen_2 Curren	raceAfrican American_2 Current A					
Intercept_2 Current Asthmatic	3.499E-6	-8.51E-8	5.939E-7	-9.61E-7	-8.68E-7					
SRSEXFemale_2 Current Asthmatic	-8.51E-8	4.369E-7	9.682E-9	8.96E-9	-1.16E-8					
CITIZEN2Non-Citizen_2 Current As	5.939E-7	9.682E-9	2.911E-6	-1.07E-6	1.374E-7					
CITIZEN2US-Born Citizen_2 Curren	-9.61E-7	8.96E-9	-1.07E-6	1.548E-6	-3.17E-7					
raceAfrican American_2 Current A	-8.68E-7	-1.16E-8	1.374E-7	-3.17E-7	5.526E-6					
raceAmerican Indian / Alaska Nat	6.219E-6	1.01E-8	1.986E-7	-4.27E-7	-6.8E-6					
raceAsian_2 Current Asthmatic	-1.75E-6	-1.04E-8	-8.4E-8	8.57E-7	2.114E-7					
raceLatino_2 Current Asthmatic	-2.19E-6	1.47E-10	-4.89E-7	4.553E-7	7.535E-7					
raceMultiracial / Other_2 Curren	7.534E-8	8.85E-9	1.517E-7	-3E-7	-6.78E-7					
pfpl0-99% FPL_2 Current Asthmati	2.892E-7	-3.43E-8	-1.91E-7	1.225E-7	-8.52E-8					
INSYes_2 Current Asthmatic	-8.42E-7	-4.77E-8	2.442E-7	-1.19E-7	-3.96E-8					

Estimated Covariance Matrix									
Parameter	raceAmerican Indian / Alaska Nat	raceAsian_2 Current Asthmatic	_	raceMultiracial / Other_2 Curren	pfpl0-99% FPL_2 Current Asthmati	INSYes_2 Current Asthmatic			
Intercept_2 Current Asthmatic	6.219E-6	-1.75E-6	-2.19E-6	7.534E-8	2.892E-7	-8.42E-7			
SRSEXFemale_2 Current Asthmatic	1.01E-8	-1.04E-8	1.47E-10	8.85E-9	-3.43E-8	-4.77E-8			
CITIZEN2Non-Citizen_2 Current As	1.986E-7	-8.4E-8	-4.89E-7	1.517E-7	-1.91E-7	2.442E-7			
CITIZEN2US-Born Citizen_2 Curren	-4.27E-7	8.57E-7	4.553E-7	-3E-7	1.225E-7	-1.19E-7			
raceAfrican American_2 Current A	-6.8E-6	2.114E-7	7.535E-7	-6.78E-7	-8.52E-8	-3.96E-8			
raceAmerican Indian / Alaska Nat	0.000034	-6.96E-6	-6.36E-6	-7.76E-6	-1.24E-7	4.4E-8			
raceAsian_2 Current Asthmatic	-6.96E-6	5.231E-6	1.232E-6	-7.04E-7	1.176E-7	-6.69E-8			
raceLatino_2 Current Asthmatic	-6.36E-6	1.232E-6	3.122E-6	-1.99E-7	-9.14E-8	1.072E-7			
raceMultiracial / Other_2 Curren	-7.76E-6	-7.04E-7	-1.99E-7	9.274E-6	3.693E-8	2.45E-8			
pfpl0-99% FPL_2 Current Asthmati	-1.24E-7	1.176E-7	-9.14E-8	3.693E-8	7.471E-7	5.9E-8			
INSYes_2 Current Asthmatic	4.4E-8	-6.69E-8	1.072E-7	2.45E-8	5.9E-8	1.232E-6			

Estimated Correlation Matrix								
Parameter	Intercept_2 Current Asthmatic	SRSEXFemale_2 Current Asthmatic	CITIZEN2Non-Citizen_2 Current As	CITIZEN2US-Born Citizen_2 Curren	raceAfrican American_2 Current A			
Intercept_2 Current Asthmatic	1.0000	-0.0689	0.1861	-0.4128	-0.1973			
SRSEXFemale_2 Current Asthmatic	-0.0689	1.0000	0.0086	0.0109	-0.0075			
CITIZEN2Non-Citizen_2 Current As	0.1861	0.0086	1.0000	-0.5028	0.0343			
CITIZEN2US-Born Citizen_2 Curren	-0.4128	0.0109	-0.5028	1.0000	-0.1082			
raceAfrican American_2 Current A	-0.1973	-0.0075	0.0343	-0.1082	1.0000			
raceAmerican Indian / Alaska Nat	0.5703	0.0026	0.0200	-0.0589	-0.4961			
raceAsian_2 Current Asthmatic	-0.4100	-0.0069	-0.0215	0.3012	0.0393			
raceLatino_2 Current Asthmatic	-0.6618	0.0001	-0.1622	0.2071	0.1814			
raceMultiracial / Other_2 Curren	0.0132	0.0044	0.0292	-0.0791	-0.0947			
pfpl0-99% FPL_2 Current Asthmati	0.1788	-0.0600	-0.1298	0.1139	-0.0419			
INSYes_2 Current Asthmatic	-0.4054	-0.0651	0.1290	-0.0860	-0.0152			

Estimated Correlation Matrix									
Parameter	raceAmerican Indian / Alaska Nat	raceAsian_2 Current Asthmatic	raceLatino_2 Current Asthmatic	raceMultiracial / Other_2 Curren	pfpl0-99% FPL_2 Current Asthmati	INSYes_2 Current Asthmatic			
Intercept_2 Current Asthmatic	0.5703	-0.4100	-0.6618	0.0132	0.1788	-0.4054			
SRSEXFemale_2 Current Asthmatic	0.0026	-0.0069	0.0001	0.0044	-0.0600	-0.0651			
CITIZEN2Non-Citizen_2 Current As	0.0200	-0.0215	-0.1622	0.0292	-0.1298	0.1290			
CITIZEN2US-Born Citizen_2 Curren	-0.0589	0.3012	0.2071	-0.0791	0.1139	-0.0860			
raceAfrican American_2 Current A	-0.4961	0.0393	0.1814	-0.0947	-0.0419	-0.0152			
raceAmerican Indian / Alaska Nat	1.0000	-0.5221	-0.6176	-0.4370	-0.0245	0.0068			
raceAsian_2 Current Asthmatic	-0.5221	1.0000	0.3048	-0.1011	0.0595	-0.0264			
raceLatino_2 Current Asthmatic	-0.6176	0.3048	1.0000	-0.0370	-0.0599	0.0547			
raceMultiracial / Other_2 Curren	-0.4370	-0.1011	-0.0370	1.0000	0.0140	0.0072			
pfpI0-99% FPL_2 Current Asthmati	-0.0245	0.0595	-0.0599	0.0140	1.0000	0.0615			
INSYes_2 Current Asthmatic	0.0068	-0.0264	0.0547	0.0072	0.0615	1.0000			

Classification Table									
	Cor	rect	Inco	rrect	Percentages				
Prob Level	Event	Non- Event	Event	Non- Event	Correct	Sensi- tivity	Speci- ficity	Pos Pred	Neg Pred
0.852	0	106E3	0	13590	88.6	0.0	100.0		88.6

