#### The LOGISTIC Procedure

Model Information						
Data Set						
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	13590
Number of Observations Used	13590
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='1 Asthmatic Escalation' as the reference category.

	Class Level Information					
Class	Value		Design Variables			
SRSEX	Female	1				
	Male	-1				
lateradult	Later Adult	-1				
	Young / Middle Aged	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
childhh	Children in HH	-1				
	No Children in HH	1				
pfpl	0-99% FPL	1				

#### The LOGISTIC Procedure

Class Level Information						
Class	Value Design Variables					
	100% FPL and Above	-1				
INS	No	-1				
	Yes	1				

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

Model Fit Statistics							
Criterion	Intercept Only	Intercept and Covariates					
AIC	1618958.7	1535387.0					
SC	1618966.2	1535484.7					
-2 Log L	1618956.7	1535361.0					

R-Square 0.9979 Max-rescaled R-Square 0.9979

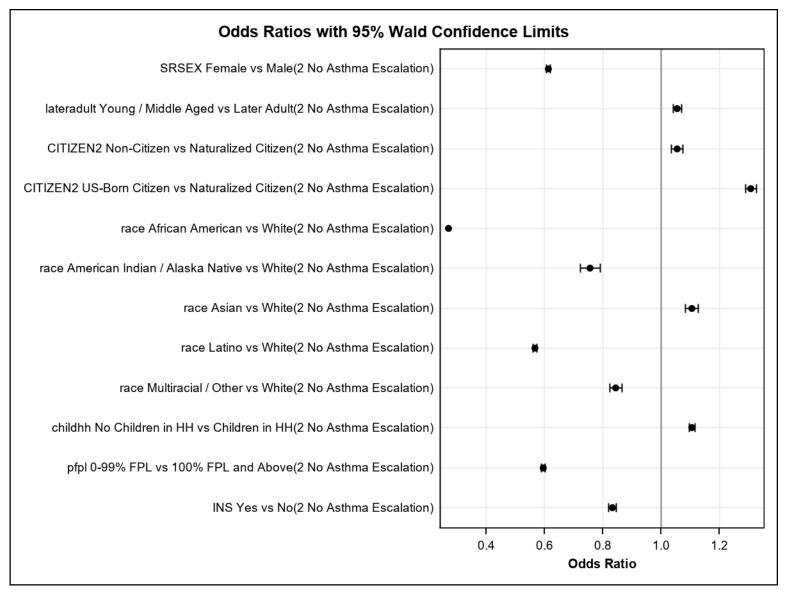
Testing Global Null Hypothesis: BETA=0							
Test Chi-Square DF Pr > ChiSq							
Likelihood Ratio	83595.7131	12	<.0001				
Score	93827.7228	12	<.0001				
Wald	85257.4729	12	<.0001				

Type 3 Analysis of Effects							
Effect	DF	Wald Chi-Square	Pr > ChiSq				
SRSEX	1	9723.9178	<.0001				
lateradult	1	69.9689	<.0001				
CITIZEN2	2	1648.0768	<.0001				
race	5	45331.8965	<.0001				
childhh	1	402.3829	<.0001				
pfpl	1	10857.8625	<.0001				
INS	1	544.3975	<.0001				

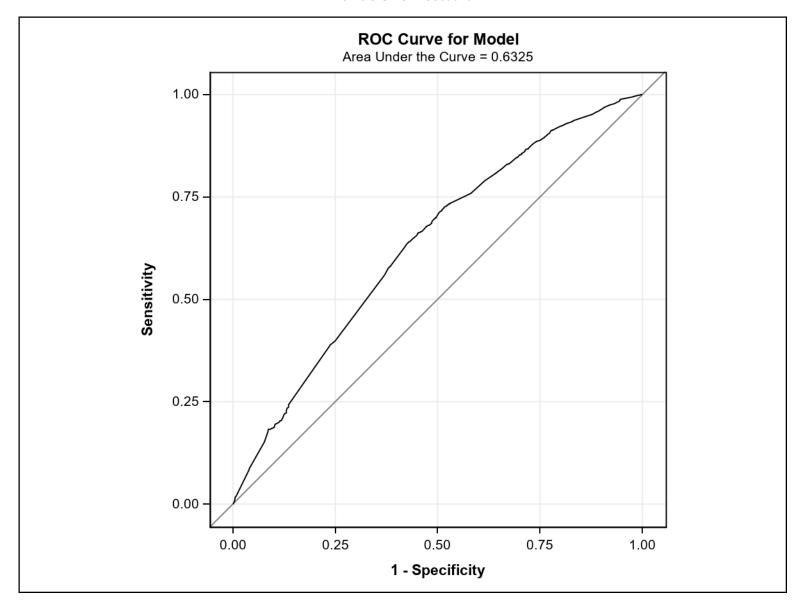
		Analysis of Maximu	m Lik	elihood Es	timates			
Parameter		asthmaesc	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq	Standardized Estimate
Intercept		2 No Asthma Escalation	1	2.2245	0.00684	105751.687	<.0001	
SRSEX	Female	2 No Asthma Escalation	1	-0.2452	0.00249	9723.9178	<.0001	-1.8693
lateradult	Young / Middle Aged	2 No Asthma Escalation	1	0.0268	0.00321	69.9689	<.0001	0.1577
CITIZEN2	Non-Citizen	2 No Asthma Escalation	1	-0.0547	0.00533	105.0974	<.0001	-0.1869
CITIZEN2	US-Born Citizen	2 No Asthma Escalation	1	0.1614	0.00408	1568.4308	<.0001	0.8387
race	African American	2 No Asthma Escalation	1	-0.9398	0.00640	21536.6137	<.0001	-4.7185
race	American Indian / Alaska Native	2 No Asthma Escalation	1	0.0920	0.0190	23.4551	<.0001	0.3755
race	Asian	2 No Asthma Escalation	1	0.4716	0.00875	2904.5819	<.0001	2.4492
race	Latino	2 No Asthma Escalation	1	-0.1977	0.00572	1196.1966	<.0001	-1.3208
race	Multiracial / Other	2 No Asthma Escalation	1	0.2018	0.0107	355.3132	<.0001	0.9104
childhh	No Children in HH	2 No Asthma Escalation	1	0.0502	0.00250	402.3829	<.0001	0.3497
pfpl	0-99% FPL	2 No Asthma Escalation	1	-0.2599	0.00249	10857.8625	<.0001	-1.6065
INS	Yes	2 No Asthma Escalation	1	-0.0921	0.00395	544.3975	<.0001	-0.4225

Odds Ratio Estimates						
Effect	asthmaesc	Point Estimate	95% \Confiden	Wald ce Limits		
SRSEX Female vs Male	2 No Asthma Escalation	0.612	0.606	0.618		
lateradult Young / Middle Aged vs Later Adult	2 No Asthma Escalation	1.055	1.042	1.068		
CITIZEN2 Non-Citizen vs Naturalized Citizen	2 No Asthma Escalation	1.053	1.034	1.073		
CITIZEN2 US-Born Citizen vs Naturalized Citizen	2 No Asthma Escalation	1.308	1.289	1.327		
race African American vs White	2 No Asthma Escalation	0.269	0.266	0.273		
race American Indian / Alaska Native vs White	2 No Asthma Escalation	0.756	0.723	0.790		
race Asian vs White	2 No Asthma Escalation	1.105	1.083	1.126		
race Latino vs White	2 No Asthma Escalation	0.566	0.559	0.572		
race Multiracial / Other vs White	2 No Asthma Escalation	0.843	0.823	0.864		
childhh No Children in HH vs Children in HH	2 No Asthma Escalation	1.106	1.095	1.117		

Odds Ratio Estimates						
Point 95% Wald Effect asthmaesc Estimate Confidence Limit						
pfpl	0-99% FPL vs 100% FPL and Above	2 No Asthma Escalation	0.595	0.589	0.600	
INS	Yes vs No	2 No Asthma Escalation	0.832	0.819	0.845	



Association of Predicted Probabilities and Observed Responses								
Percent Concordant 61.0 Somers' D 0.265								
Percent Discordant	34.5	Gamma	0.278					
Percent Tied	4.5	Tau-a	0.039					
Pairs	13682025	С	0.633					



Estimated Covariance Matrix								
Parameter	Intercept_2 No Asthma Escalation	SRSEXFemale_2 No Asthma Escalati	lateradultYoung / Middle Aged_2	CITIZEN2Non-Citizen_2 No Asthma				
Intercept_2 No Asthma Escalation	0.000047	-3.03E-6	-8.39E-6	5.335E-6				
SRSEXFemale_2 No Asthma Escalati	-3.03E-6	6.184E-6	3.976E-7	5.025E-8				
lateradultYoung / Middle Aged_2	-8.39E-6	3.976E-7	0.00001	-2.77E-7				
CITIZEN2Non-Citizen_2 No Asthma	5.335E-6	5.025E-8	-2.77E-7	0.000028				
CITIZEN2US-Born Citizen_2 No Ast	-8.46E-6	7.371E-8	-1.38E-6	-9.98E-6				
raceAfrican American_2 No Asthma	-0.00001	-4.63E-7	-7.26E-7	1.625E-6				
raceAmerican Indian / Alaska Nat	0.000063	-2.49E-7	1.607E-6	2.045E-6				
raceAsian_2 No Asthma Escalation	-0.00001	5.925E-7	-8.1E-7	6.978E-7				
raceLatino_2 No Asthma Escalatio	-0.00002	7.058E-8	-1.01E-6	-5.72E-6				
raceMultiracial / Other_2 No Ast	5.292E-6	-1.56E-7	-2.77E-7	1.044E-6				
childhhNo Children in HH_2 No As	-3.65E-6	5.083E-7	2.042E-6	1.791E-6				
pfpl0-99% FPL_2 No Asthma Escala	1.793E-6	-4.15E-7	-3.3E-7	-1.69E-6				
INSYes_2 No Asthma Escalation	-0.00001	-6.6E-7	1.472E-6	2.455E-6				

Estimated Covariance Matrix								
Parameter	CITIZEN2US-Born Citizen_2 No Ast	raceAfrican American_2 No Asthma	raceAmerican Indian / Alaska Nat	raceAsian_2 No Asthma Escalation	raceLatino_2 No Asthma Escalatio			
Intercept_2 No Asthma Escalation	-8.46E-6	-0.00001	0.000063	-0.00001	-0.00002			
SRSEXFemale_2 No Asthma Escalati	7.371E-8	-4.63E-7	-2.49E-7	5.925E-7	7.058E-8			
lateradultYoung / Middle Aged_2	-1.38E-6	-7.26E-7	1.607E-6	-8.1E-7	-1.01E-6			
CITIZEN2Non-Citizen_2 No Asthma	-9.98E-6	1.625E-6	2.045E-6	6.978E-7	-5.72E-6			
CITIZEN2US-Born Citizen_2 No Ast	0.000017	-4.11E-6	-5.46E-6	0.000011	5.327E-6			
raceAfrican American_2 No Asthma	-4.11E-6	0.000041	-0.00007	2.206E-6	0.000013			
raceAmerican Indian / Alaska Nat	-5.46E-6	-0.00007	0.000361	-0.00008	-0.00007			
raceAsian_2 No Asthma Escalation	0.000011	2.206E-6	-0.00008	0.000077	0.00001			
raceLatino_2 No Asthma Escalatio	5.327E-6	0.000013	-0.00007	0.00001	0.000033			
raceMultiracial / Other_2 No Ast	-3.94E-6	-5.29E-6	-0.00009	-0.00002	-5.22E-6			
childhhNo Children in HH_2 No As	-1.56E-6	2.678E-7	4.89E-7	-1.22E-6	1.468E-7			
pfpl0-99% FPL_2 No Asthma Escala	1.186E-6	-8.97E-7	-1.56E-6	1.87E-6	-8.95E-7			
INSYes_2 No Asthma Escalation	-1.36E-6	-4.99E-7	2.717E-6	-1.47E-6	6.715E-7			

Estimated Covariance Matrix							
Parameter	raceMultiracial / Other_2 No Ast	childhhNo Children in HH_2 No As	pfpl0-99% FPL_2 No Asthma Escala	INSYes_2 No Asthma Escalation			
Intercept_2 No Asthma Escalation	5.292E-6	-3.65E-6	1.793E-6	-0.00001			
SRSEXFemale_2 No Asthma Escalati	-1.56E-7	5.083E-7	-4.15E-7	-6.6E-7			
lateradultYoung / Middle Aged_2	-2.77E-7	2.042E-6	-3.3E-7	1.472E-6			
CITIZEN2Non-Citizen_2 No Asthma	1.044E-6	1.791E-6	-1.69E-6	2.455E-6			
CITIZEN2US-Born Citizen_2 No Ast	-3.94E-6	-1.56E-6	1.186E-6	-1.36E-6			
raceAfrican American_2 No Asthma	-5.29E-6	2.678E-7	-8.97E-7	-4.99E-7			
raceAmerican Indian / Alaska Nat	-0.00009	4.89E-7	-1.56E-6	2.717E-6			
raceAsian_2 No Asthma Escalation	-0.00002	-1.22E-6	1.87E-6	-1.47E-6			
raceLatino_2 No Asthma Escalatio	-5.22E-6	1.468E-7	-8.95E-7	6.715E-7			
raceMultiracial / Other_2 No Ast	0.000115	3.389E-7	3.18E-7	-7.5E-7			
childhhNo Children in HH_2 No As	3.389E-7	6.265E-6	-4.41E-8	7.514E-7			
pfpl0-99% FPL_2 No Asthma Escala	3.18E-7	-4.41E-8	6.222E-6	3.519E-7			
INSYes_2 No Asthma Escalation	-7.5E-7	7.514E-7	3.519E-7	0.000016			

Estimated Correlation Matrix									
Parameter	Intercept_2 No Asthma Escalation	SRSEXFemale_2 No Asthma Escalati	lateradultYoung / Middle Aged_2	CITIZEN2Non-Citizen_2 No Asthma					
Intercept_2 No Asthma Escalation	1.0000	-0.1779	-0.3828	0.1463					
SRSEXFemale_2 No Asthma Escalati	-0.1779	1.0000	0.0499	0.0038					
lateradultYoung / Middle Aged_2	-0.3828	0.0499	1.0000	-0.0162					
CITIZEN2Non-Citizen_2 No Asthma	0.1463	0.0038	-0.0162	1.0000					
CITIZEN2US-Born Citizen_2 No Ast	-0.3035	0.0073	-0.1058	-0.4591					
raceAfrican American_2 No Asthma	-0.3016	-0.0291	-0.0354	0.0476					
raceAmerican Indian / Alaska Nat	0.4825	-0.0053	0.0264	0.0202					
raceAsian_2 No Asthma Escalation	-0.2447	0.0272	-0.0289	0.0150					
raceLatino_2 No Asthma Escalatio	-0.5959	0.0050	-0.0554	-0.1876					
raceMultiracial / Other_2 No Ast	0.0723	-0.0059	-0.0081	0.0183					
childhhNo Children in HH_2 No As	-0.2130	0.0817	0.2545	0.1342					
pfpl0-99% FPL_2 No Asthma Escala	0.1051	-0.0669	-0.0413	-0.1272					
INSYes_2 No Asthma Escalation	-0.4656	-0.0672	0.1163	0.1166					

Estimated Correlation Matrix								
Parameter	CITIZEN2US-Born Citizen_2 No Ast	raceAfrican American_2 No Asthma	raceAmerican Indian / Alaska Nat	raceAsian_2 No Asthma Escalation	raceLatino_2 No Asthma Escalatio			
Intercept_2 No Asthma Escalation	-0.3035	-0.3016	0.4825	-0.2447	-0.5959			
SRSEXFemale_2 No Asthma Escalati	0.0073	-0.0291	-0.0053	0.0272	0.0050			
lateradultYoung / Middle Aged_2	-0.1058	-0.0354	0.0264	-0.0289	-0.0554			
CITIZEN2Non-Citizen_2 No Asthma	-0.4591	0.0476	0.0202	0.0150	-0.1876			
CITIZEN2US-Born Citizen_2 No Ast	1.0000	-0.1575	-0.0705	0.3147	0.2286			
raceAfrican American_2 No Asthma	-0.1575	1.0000	-0.5449	0.0394	0.3671			
raceAmerican Indian / Alaska Nat	-0.0705	-0.5449	1.0000	-0.4735	-0.6116			
raceAsian_2 No Asthma Escalation	0.3147	0.0394	-0.4735	1.0000	0.2017			
raceLatino_2 No Asthma Escalatio	0.2286	0.3671	-0.6116	0.2017	1.0000			
raceMultiracial / Other_2 No Ast	-0.0904	-0.0772	-0.4180	-0.1698	-0.0853			
childhhNo Children in HH_2 No As	-0.1532	0.0167	0.0103	-0.0555	0.0103			
pfpl0-99% FPL_2 No Asthma Escala	0.1166	-0.0561	-0.0330	0.0857	-0.0628			
INSYes_2 No Asthma Escalation	-0.0845	-0.0197	0.0362	-0.0425	0.0297			

Estimated Correlation Matrix								
Parameter	raceMultiracial / Other_2 No Ast	childhhNo Children in HH_2 No As	pfpl0-99% FPL_2 No Asthma Escala	INSYes_2 No Asthma Escalation				
Intercept_2 No Asthma Escalation	0.0723	-0.2130	0.1051	-0.4656				
SRSEXFemale_2 No Asthma Escalati	-0.0059	0.0817	-0.0669	-0.0672				
lateradultYoung / Middle Aged_2	-0.0081	0.2545	-0.0413	0.1163				
CITIZEN2Non-Citizen_2 No Asthma	0.0183	0.1342	-0.1272	0.1166				
CITIZEN2US-Born Citizen_2 No Ast	-0.0904	-0.1532	0.1166	-0.0845				
raceAfrican American_2 No Asthma	-0.0772	0.0167	-0.0561	-0.0197				
raceAmerican Indian / Alaska Nat	-0.4180	0.0103	-0.0330	0.0362				
raceAsian_2 No Asthma Escalation	-0.1698	-0.0555	0.0857	-0.0425				
raceLatino_2 No Asthma Escalatio	-0.0853	0.0103	-0.0628	0.0297				
raceMultiracial / Other_2 No Ast	1.0000	0.0127	0.0119	-0.0177				
childhhNo Children in HH_2 No As	0.0127	1.0000	-0.0071	0.0760				
pfpl0-99% FPL_2 No Asthma Escala	0.0119	-0.0071	1.0000	0.0357				
INSYes_2 No Asthma Escalation	-0.0177	0.0760	0.0357	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	11408	240	855	1087	85.7	91.3	21.9	93.0	18.1	

