

**CHIS\_80\_Hospitalizations**  
**CHIS CHIS\_DATA\_BINOMIAL\_ED**  
**PROC SURVEYLOGISTIC - April 28, 2019**

**The SURVEYLOGISTIC Procedure**

Model Information		
Data Set	CHIS.CHIS_DATA_BINOMIAL_ED	
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='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				

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

Variance Estimation	
Method	Jackknife
Replicate Weights	CHIS_DATA_BINOMIAL_ED
Number of Replicates	160

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	2740515.8	2580815.1
SC	2740531.0	2581012.1
-2 Log L	2740513.8	2580789.1

R-Square	0.0056	Max-rescaled R-Square	0.0610
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Testing Global Null Hypothesis: BETA=0				
Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	44.67	10.7054	1712.87	<.0001
Score	7.90	12	160	<.0001
Wald	14.44	12	160	<.0001
NOTE: Second-order Rao-Scott design correction 0.1209 applied to the Likelihood Ratio test.				

Type 3 Analysis of Effects				
Effect	F Value	Num DF	Den DF	Pr > F
SRSEX	28.61	1	160	<.0001
lateradult	0.73	1	160	0.3928
CITIZEN2	2.45	2	160	0.0898
race	12.20	5	160	<.0001

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Type 3 Analysis of Effects				
Effect	F Value	Num DF	Den DF	Pr > F
childhh	0.32	1	160	0.5729
pfpl	29.18	1	160	<.0001
INS	3.88	1	160	0.0505

Analysis of Maximum Likelihood Estimates							
Parameter		asthmaesc	Estimate	Standard Error	t Value	Pr >  t	Standardized Estimate
Intercept		2 No Asthma Escalation	4.9859	0.2177	22.90	<.0001	
SRSEX	Female	2 No Asthma Escalation	-0.4750	0.0888	-5.35	<.0001	-3.9433
lateradult	Young / Middle Aged	2 No Asthma Escalation	-0.0735	0.0858	-0.86	0.3928	-0.4516
CITIZEN2	Non-Citizen	2 No Asthma Escalation	0.3048	0.2138	1.43	0.1559	1.4719
CITIZEN2	US-Born Citizen	2 No Asthma Escalation	-0.3266	0.1477	-2.21	0.0284	-2.1041
race	African American	2 No Asthma Escalation	-0.9239	0.1719	-5.38	<.0001	-4.5105
race	American Indian / Alaska Native	2 No Asthma Escalation	-0.2908	0.4185	-0.70	0.4881	-1.2165
race	Asian	2 No Asthma Escalation	0.7395	0.2478	2.98	0.0033	4.2695
race	Latino	2 No Asthma Escalation	0.0405	0.1474	0.27	0.7839	0.2947
race	Multiracial / Other	2 No Asthma Escalation	-0.0217	0.2443	-0.09	0.9294	-0.0970
childhh	No Children in HH	2 No Asthma Escalation	-0.0494	0.0874	-0.56	0.5729	-0.3798
pfpl	0-99% FPL	2 No Asthma Escalation	-0.4003	0.0741	-5.40	<.0001	-2.4776
INS	Yes	2 No Asthma Escalation	-0.2673	0.1356	-1.97	0.0505	-1.5600
NOTE: The degrees of freedom for the t tests is 160.							

Odds Ratio Estimates				
Effect	asthmaesc	Point Estimate	95% Confidence Limits	
SRSEX Female vs Male	2 No Asthma Escalation	0.387	0.272	0.549
lateradult Young / Middle Aged vs Later Adult	2 No Asthma Escalation	0.863	0.615	1.211
CITIZEN2 Non-Citizen vs Naturalized Citizen	2 No Asthma Escalation	1.327	0.669	2.633
CITIZEN2 US-Born Citizen vs Naturalized Citizen	2 No Asthma Escalation	0.706	0.456	1.091
race African American vs White	2 No Asthma Escalation	0.251	0.172	0.368
race American Indian / Alaska Native vs White	2 No Asthma Escalation	0.474	0.173	1.296
race Asian vs White	2 No Asthma Escalation	1.327	0.735	2.396
race Latino vs White	2 No Asthma Escalation	0.660	0.467	0.932
race Multiracial / Other vs White	2 No Asthma Escalation	0.620	0.347	1.107
childhh No Children in HH vs Children in HH	2 No Asthma Escalation	0.906	0.642	1.279
NOTE: The degrees of freedom in computing the confidence limits is 160.				

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Odds Ratio Estimates					
Effect		asthmaesc	Point Estimate	95% Confidence Limits	
pfpl	0-99% FPL vs 100% FPL and Above	2 No Asthma Escalation	0.449	0.335	0.602
INS	Yes vs No	2 No Asthma Escalation	0.586	0.343	1.001
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	0.003
Percent Discordant	0.2	Gamma	0.443
Percent Tied	99.4	Tau-a	0.002
Pairs	20101233902	c	0.501

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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	0.047396	-0.00851	-0.01086	0.008612
SRSEXFemale_2 No Asthma Escalati	-0.00851	0.007887	0.003008	0.002888
lateradultYoung / Middle Aged_2	-0.01086	0.003008	0.007355	0.001613
CITIZEN2Non-Citizen_2 No Asthma	0.008612	0.002888	0.001613	0.045722
CITIZEN2US-Born Citizen_2 No Ast	-0.00819	-0.00097	-0.00003	-0.02107
raceAfrican American_2 No Asthma	-0.00522	0.00343	0.001243	-0.0014
raceAmerican Indian / Alaska Nat	0.026439	0.000599	-0.00109	0.006421
raceAsian_2 No Asthma Escalation	0.001451	-0.00353	-0.00604	-0.00597
raceLatino_2 No Asthma Escalatio	-0.01158	-0.00018	0.000658	-0.00173
raceMultiracial / Other_2 No Ast	0.0011	-0.00396	0.002808	0.000186
childhhNo Children in HH_2 No As	-0.00765	0.0017	0.00255	0.001309
pfpl0-99% FPL_2 No Asthma Escala	0.000205	0.000182	-0.00033	-0.0061
INSYes_2 No Asthma Escalation	-0.01836	0.001635	0.003657	0.004946

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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	-0.00819	-0.00522	0.026439	0.001451	-0.01158
SRSEXFemale_2 No Asthma Escalati	-0.00097	0.00343	0.000599	-0.00353	-0.00018
lateradultYoung / Middle Aged_2	-0.00003	0.001243	-0.00109	-0.00604	0.000658
CITIZEN2Non-Citizen_2 No Asthma	-0.02107	-0.0014	0.006421	-0.00597	-0.00173
CITIZEN2US-Born Citizen_2 No Ast	0.021819	-0.0047	0.000306	0.010807	0.002153
raceAfrican American_2 No Asthma	-0.0047	0.029548	-0.03441	-0.00563	0.000838
raceAmerican Indian / Alaska Nat	0.000306	-0.03441	0.175102	-0.03803	-0.027
raceAsian_2 No Asthma Escalation	0.010807	-0.00563	-0.03803	0.061406	-0.00091
raceLatino_2 No Asthma Escalatio	0.002153	0.000838	-0.027	-0.00091	0.021716
raceMultiracial / Other_2 No Ast	-0.00221	0.002232	-0.04446	-0.01392	-0.00132
childhhNo Children in HH_2 No As	-0.00272	-0.00079	0.001394	-0.00202	0.000455
pfpl0-99% FPL_2 No Asthma Escala	0.001176	0.000131	-0.00349	0.001324	-0.00136
INSYes_2 No Asthma Escalation	-0.00337	-0.00199	-0.00157	-0.00088	0.002166

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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	0.0011	-0.00765	0.000205	-0.01836
SRSEXFemale_2 No Asthma Escalati	-0.00396	0.0017	0.000182	0.001635
lateradultYoung / Middle Aged_2	0.002808	0.00255	-0.00033	0.003657
CITIZEN2Non-Citizen_2 No Asthma	0.000186	0.001309	-0.0061	0.004946
CITIZEN2US-Born Citizen_2 No Ast	-0.00221	-0.00272	0.001176	-0.00337
raceAfrican American_2 No Asthma	0.002232	-0.00079	0.000131	-0.00199
raceAmerican Indian / Alaska Nat	-0.04446	0.001394	-0.00349	-0.00157
raceAsian_2 No Asthma Escalation	-0.01392	-0.00202	0.001324	-0.00088
raceLatino_2 No Asthma Escalatio	-0.00132	0.000455	-0.00136	0.002166
raceMultiracial / Other_2 No Ast	0.059664	-0.001	0.000698	0.001274
childhhNo Children in HH_2 No As	-0.001	0.007634	0.000764	0.003911
pfpl0-99% FPL_2 No Asthma Escala	0.000698	0.000764	0.005492	-0.00118
INSYes_2 No Asthma Escalation	0.001274	0.003911	-0.00118	0.018399

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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	-0.4399	-0.5816	0.1850
SRSEXFemale_2 No Asthma Escalati	-0.4399	1.0000	0.3950	0.1521
lateradultYoung / Middle Aged_2	-0.5816	0.3950	1.0000	0.0880
CITIZEN2Non-Citizen_2 No Asthma	0.1850	0.1521	0.0880	1.0000
CITIZEN2US-Born Citizen_2 No Ast	-0.2546	-0.0740	-0.0023	-0.6672
raceAfrican American_2 No Asthma	-0.1394	0.2247	0.0843	-0.0381
raceAmerican Indian / Alaska Nat	0.2902	0.0161	-0.0305	0.0718
raceAsian_2 No Asthma Escalation	0.0269	-0.1606	-0.2840	-0.1126
raceLatino_2 No Asthma Escalatio	-0.3609	-0.0134	0.0521	-0.0550
raceMultiracial / Other_2 No Ast	0.0207	-0.1824	0.1341	0.0036
childhhNo Children in HH_2 No As	-0.4023	0.2190	0.3403	0.0701
pfpl0-99% FPL_2 No Asthma Escala	0.0127	0.0277	-0.0523	-0.3851
INSYes_2 No Asthma Escalation	-0.6219	0.1357	0.3144	0.1705



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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	-0.2546	-0.1394	0.2902	0.0269	-0.3609
SRSEXFemale_2 No Asthma Escalati	-0.0740	0.2247	0.0161	-0.1606	-0.0134
lateradultYoung / Middle Aged_2	-0.0023	0.0843	-0.0305	-0.2840	0.0521
CITIZEN2Non-Citizen_2 No Asthma	-0.6672	-0.0381	0.0718	-0.1126	-0.0550
CITIZEN2US-Born Citizen_2 No Ast	1.0000	-0.1851	0.0050	0.2952	0.0989
raceAfrican American_2 No Asthma	-0.1851	1.0000	-0.4785	-0.1321	0.0331
raceAmerican Indian / Alaska Nat	0.0050	-0.4785	1.0000	-0.3668	-0.4379
raceAsian_2 No Asthma Escalation	0.2952	-0.1321	-0.3668	1.0000	-0.0248
raceLatino_2 No Asthma Escalatio	0.0989	0.0331	-0.4379	-0.0248	1.0000
raceMultiracial / Other_2 No Ast	-0.0614	0.0532	-0.4350	-0.2299	-0.0367
childhhNo Children in HH_2 No As	-0.2109	-0.0529	0.0381	-0.0932	0.0354
pfpl0-99% FPL_2 No Asthma Escala	0.1075	0.0103	-0.1126	0.0721	-0.1244
INSYes_2 No Asthma Escalation	-0.1680	-0.0855	-0.0276	-0.0261	0.1084

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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	0.0207	-0.4023	0.0127	-0.6219
SRSEXFemale_2 No Asthma Escalati	-0.1824	0.2190	0.0277	0.1357
lateradultYoung / Middle Aged_2	0.1341	0.3403	-0.0523	0.3144
CITIZEN2Non-Citizen_2 No Asthma	0.0036	0.0701	-0.3851	0.1705
CITIZEN2US-Born Citizen_2 No Ast	-0.0614	-0.2109	0.1075	-0.1680
raceAfrican American_2 No Asthma	0.0532	-0.0529	0.0103	-0.0855
raceAmerican Indian / Alaska Nat	-0.4350	0.0381	-0.1126	-0.0276
raceAsian_2 No Asthma Escalation	-0.2299	-0.0932	0.0721	-0.0261
raceLatino_2 No Asthma Escalatio	-0.0367	0.0354	-0.1244	0.1084
raceMultiracial / Other_2 No Ast	1.0000	-0.0467	0.0386	0.0384
childhhNo Children in HH_2 No As	-0.0467	1.0000	0.1179	0.3300
pfpl0-99% FPL_2 No Asthma Escala	0.0386	0.1179	1.0000	-0.1172
INSYes_2 No Asthma Escalation	0.0384	0.3300	-0.1172	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	122E3	42	1053	1523	97.9	98.8	3.8	99.1	2.7

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**Domain Analysis for domain analyzeData=1**

Model Information		
Data Set	CHIS.CHIS_DATA_BINOMIAL_ED	
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='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				

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**Domain Analysis for domain analyzeData=1**

Class Level Information					
Class	Value		Design Variables		
pfpl	0-99% FPL	1			
	100% FPL and Above	-1			
INS	No	-1			
	Yes	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_ED
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	1535387.0
SC	1618971.5	1535553.8
-2 Log L	1618956.7	1535361.0

R-Square	0.0298	Max-rescaled R-Square	0.0672
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## The SURVEYLOGISTIC Procedure

**Domain Analysis for domain analyzeData=1**

Testing Global Null Hypothesis: BETA=0				
Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	25.71	10.6801	1708.81	<.0001
Score	5.45	12	160	<.0001
Wald	9.11	12	160	<.0001
<p><b>NOTE:</b>            Second-order Rao-Scott design correction 0.1236            applied to the Likelihood Ratio test.</p>				

Type 3 Analysis of Effects				
Effect	F Value	Num DF	Den DF	Pr > F
SRSEX	7.44	1	160	0.0071
lateradult	0.09	1	160	0.7609
CITIZEN2	0.64	2	160	0.5301
race	11.78	5	160	<.0001
childhh	0.28	1	160	0.6003
pfpl	12.15	1	160	0.0006
INS	0.42	1	160	0.5201

Analysis of Maximum Likelihood Estimates							
Parameter		asthmaesc	Estimate	Standard Error	t Value	Pr >  t	Standardized Estimate
Intercept		2 No Asthma Escalation	2.2245	0.2289	9.72	<.0001	
SRSEX	Female	2 No Asthma Escalation	-0.2452	0.0899	-2.73	0.0071	-0.6175
lateradult	Young / Middle Aged	2 No Asthma Escalation	0.0268	0.0879	0.30	0.7609	0.0521
CITIZEN2	Non-Citizen	2 No Asthma Escalation	-0.0547	0.2225	-0.25	0.8063	-0.0618
CITIZEN2	US-Born Citizen	2 No Asthma Escalation	0.1614	0.1571	1.03	0.3057	0.2771
race	African American	2 No Asthma Escalation	-0.9398	0.1752	-5.36	<.0001	-1.5587
race	American Indian / Alaska Native	2 No Asthma Escalation	0.0920	0.4408	0.21	0.8349	0.1240
race	Asian	2 No Asthma Escalation	0.4716	0.2641	1.79	0.0761	0.8091
race	Latino	2 No Asthma Escalation	-0.1977	0.1565	-1.26	0.2081	-0.4363
race	Multiracial / Other	2 No Asthma Escalation	0.2018	0.2702	0.75	0.4564	0.3008
childhh	No Children in HH	2 No Asthma Escalation	0.0502	0.0956	0.53	0.6003	0.1155
pfpl	0-99% FPL	2 No Asthma Escalation	-0.2599	0.0746	-3.49	0.0006	-0.5307
INS	Yes	2 No Asthma Escalation	-0.0921	0.1430	-0.64	0.5201	-0.1396
NOTE: The degrees of freedom for the t tests is 160.							

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**Domain Analysis for domain analyzeData=1**

Odds Ratio Estimates				
Effect	asthmaesc	Point Estimate	95% Confidence Limits	
SRSEX Female vs Male	2 No Asthma Escalation	0.612	0.429	0.873
lateradult Young / Middle Aged vs Later Adult	2 No Asthma Escalation	1.055	0.745	1.493
CITIZEN2 Non-Citizen vs Naturalized Citizen	2 No Asthma Escalation	1.053	0.505	2.197
CITIZEN2 US-Born Citizen vs Naturalized Citizen	2 No Asthma Escalation	1.308	0.793	2.155
race African American vs White	2 No Asthma Escalation	0.269	0.182	0.399
race American Indian / Alaska Native vs White	2 No Asthma Escalation	0.756	0.260	2.195
race Asian vs White	2 No Asthma Escalation	1.105	0.589	2.072
race Latino vs White	2 No Asthma Escalation	0.566	0.402	0.796
race Multiracial / Other vs White	2 No Asthma Escalation	0.843	0.440	1.618
childhh No Children in HH vs Children in HH	2 No Asthma Escalation	1.106	0.758	1.613
pfpl 0-99% FPL vs 100% FPL and Above	2 No Asthma Escalation	0.595	0.443	0.798
INS Yes vs No	2 No Asthma Escalation	0.832	0.473	1.463
NOTE: The degrees of freedom in computing the confidence limits is 160.				

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	60.7	Somers' D	0.265
Percent Discordant	34.2	Gamma	0.279
Percent Tied	5.1	Tau-a	0.039
Pairs	13682025	c	0.632

**CHIS\_80\_Hospitalizations**  
**CHIS CHIS\_DATA\_BINOMIAL\_ED**  
**PROC SURVEYLOGISTIC - April 28, 2019**

**The SURVEYLOGISTIC Procedure**

**Domain Analysis for domain analyzeData=1**

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	0.052373	-0.00849	-0.01109	0.00812
SRSEXFemale_2 No Asthma Escalati	-0.00849	0.008085	0.002715	0.001556
lateradultYoung / Middle Aged_2	-0.01109	0.002715	0.007735	0.001567
CITIZEN2Non-Citizen_2 No Asthma	0.00812	0.001556	0.001567	0.049525
CITIZEN2US-Born Citizen_2 No Ast	-0.01023	-0.00018	-0.00098	-0.02105
raceAfrican American_2 No Asthma	-0.00193	0.002669	-0.00009	-0.00078
raceAmerican Indian / Alaska Nat	0.024383	-1.46E-6	-0.00196	0.002919
raceAsian_2 No Asthma Escalation	-0.00518	-0.0003	-0.0036	0.002249
raceLatino_2 No Asthma Escalatio	-0.01184	-0.00006	0.001238	-0.00508
raceMultiracial / Other_2 No Ast	0.008287	-0.00612	0.001871	-0.00245
childhhNo Children in HH_2 No As	-0.00957	0.00142	0.002818	0.001854
pfpl0-99% FPL_2 No Asthma Escala	0.000982	0.00007	-0.00101	-0.00508
INSYes_2 No Asthma Escalation	-0.01998	0.000948	0.004071	0.005705

**CHIS\_80\_Hospitalizations**  
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**PROC SURVEYLOGISTIC - April 28, 2019**

**The SURVEYLOGISTIC Procedure**

**Domain Analysis for domain analyzeData=1**

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	-0.01023	-0.00193	0.024383	-0.00518	-0.01184
SRSEXFemale_2 No Asthma Escalati	-0.00018	0.002669	-1.46E-6	-0.0003	-0.00006
lateradultYoung / Middle Aged_2	-0.00098	-0.00009	-0.00196	-0.0036	0.001238
CITIZEN2Non-Citizen_2 No Asthma	-0.02105	-0.00078	0.002919	0.002249	-0.00508
CITIZEN2US-Born Citizen_2 No Ast	0.024678	-0.00669	0.002864	0.012999	0.001879
raceAfrican American_2 No Asthma	-0.00669	0.030689	-0.03823	-0.0044	0.002051
raceAmerican Indian / Alaska Nat	0.002864	-0.03823	0.194323	-0.03894	-0.03265
raceAsian_2 No Asthma Escalation	0.012999	-0.0044	-0.03894	0.069756	-0.00321
raceLatino_2 No Asthma Escalatio	0.001879	0.002051	-0.03265	-0.00321	0.024479
raceMultiracial / Other_2 No Ast	-0.00349	0.001624	-0.04867	-0.02017	-0.00074
childhhNo Children in HH_2 No As	-0.00245	-0.00129	0.001042	-0.00027	0.000011
pfpl0-99% FPL_2 No Asthma Escala	0.001422	-0.00009	-0.00428	0.000883	-0.00011
INSYes_2 No Asthma Escalation	-0.00227	-0.00352	0.006269	0.000385	-4.26E-6



**CHIS\_80\_Hospitalizations**  
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**PROC SURVEYLOGISTIC - April 28, 2019**

**The SURVEYLOGISTIC Procedure**

**Domain Analysis for domain analyzeData=1**

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	0.008287	-0.00957	0.000982	-0.01998
SRSEXFemale_2 No Asthma Escalati	-0.00612	0.00142	0.00007	0.000948
lateradultYoung / Middle Aged_2	0.001871	0.002818	-0.00101	0.004071
CITIZEN2Non-Citizen_2 No Asthma	-0.00245	0.001854	-0.00508	0.005705
CITIZEN2US-Born Citizen_2 No Ast	-0.00349	-0.00245	0.001422	-0.00227
raceAfrican American_2 No Asthma	0.001624	-0.00129	-0.00009	-0.00352
raceAmerican Indian / Alaska Nat	-0.04867	0.001042	-0.00428	0.006269
raceAsian_2 No Asthma Escalation	-0.02017	-0.00027	0.000883	0.000385
raceLatino_2 No Asthma Escalatio	-0.00074	0.000011	-0.00011	-4.26E-6
raceMultiracial / Other_2 No Ast	0.073033	-0.00166	0.001171	-0.00315
childhhNo Children in HH_2 No As	-0.00166	0.009144	0.00046	0.004878
pfpl0-99% FPL_2 No Asthma Escala	0.001171	0.00046	0.005561	-0.00142
INSYes_2 No Asthma Escalation	-0.00315	0.004878	-0.00142	0.020438

**CHIS\_80\_Hospitalizations**  
**CHIS CHIS\_DATA\_BINOMIAL\_ED**  
**PROC SURVEYLOGISTIC - April 28, 2019**

**The SURVEYLOGISTIC Procedure**

**Domain Analysis for domain analyzeData=1**

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	-0.4126	-0.5508	0.1594
SRSEXFemale_2 No Asthma Escalati	-0.4126	1.0000	0.3433	0.0778
lateradultYoung / Middle Aged_2	-0.5508	0.3433	1.0000	0.0801
CITIZEN2Non-Citizen_2 No Asthma	0.1594	0.0778	0.0801	1.0000
CITIZEN2US-Born Citizen_2 No Ast	-0.2846	-0.0127	-0.0709	-0.6021
raceAfrican American_2 No Asthma	-0.0482	0.1694	-0.0057	-0.0200
raceAmerican Indian / Alaska Nat	0.2417	-0.0000	-0.0504	0.0298
raceAsian_2 No Asthma Escalation	-0.0858	-0.0127	-0.1551	0.0383
raceLatino_2 No Asthma Escalatio	-0.3308	-0.0046	0.0900	-0.1458
raceMultiracial / Other_2 No Ast	0.1340	-0.2518	0.0787	-0.0407
childhhNo Children in HH_2 No As	-0.4373	0.1651	0.3351	0.0871
pfpl0-99% FPL_2 No Asthma Escala	0.0575	0.0105	-0.1542	-0.3061
INSYes_2 No Asthma Escalation	-0.6107	0.0737	0.3238	0.1793

**CHIS\_80\_Hospitalizations**  
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**PROC SURVEYLOGISTIC - April 28, 2019**

**The SURVEYLOGISTIC Procedure**

**Domain Analysis for domain analyzeData=1**

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	-0.2846	-0.0482	0.2417	-0.0858	-0.3308
SRSEXFemale_2 No Asthma Escalati	-0.0127	0.1694	-0.0000	-0.0127	-0.0046
lateradultYoung / Middle Aged_2	-0.0709	-0.0057	-0.0504	-0.1551	0.0900
CITIZEN2Non-Citizen_2 No Asthma	-0.6021	-0.0200	0.0298	0.0383	-0.1458
CITIZEN2US-Born Citizen_2 No Ast	1.0000	-0.2430	0.0414	0.3133	0.0765
raceAfrican American_2 No Asthma	-0.2430	1.0000	-0.4951	-0.0951	0.0748
raceAmerican Indian / Alaska Nat	0.0414	-0.4951	1.0000	-0.3345	-0.4734
raceAsian_2 No Asthma Escalation	0.3133	-0.0951	-0.3345	1.0000	-0.0776
raceLatino_2 No Asthma Escalatio	0.0765	0.0748	-0.4734	-0.0776	1.0000
raceMultiracial / Other_2 No Ast	-0.0823	0.0343	-0.4086	-0.2826	-0.0175
childhhNo Children in HH_2 No As	-0.1630	-0.0768	0.0247	-0.0107	0.0007
pfpl0-99% FPL_2 No Asthma Escala	0.1214	-0.0070	-0.1301	0.0448	-0.0090
INSYes_2 No Asthma Escalation	-0.1010	-0.1405	0.0995	0.0102	-0.0002

*CHIS\_80\_Hospitalizations*  
*CHIS CHIS\_DATA\_BINOMIAL\_ED*  
*PROC SURVEYLOGISTIC - April 28, 2019*

*The SURVEYLOGISTIC Procedure*

*Domain Analysis for domain analyzeData=1*

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	0.1340	-0.4373	0.0575	-0.6107
SRSEXFemale_2 No Asthma Escalati	-0.2518	0.1651	0.0105	0.0737
lateradultYoung / Middle Aged_2	0.0787	0.3351	-0.1542	0.3238
CITIZEN2Non-Citizen_2 No Asthma	-0.0407	0.0871	-0.3061	0.1793
CITIZEN2US-Born Citizen_2 No Ast	-0.0823	-0.1630	0.1214	-0.1010
raceAfrican American_2 No Asthma	0.0343	-0.0768	-0.0070	-0.1405
raceAmerican Indian / Alaska Nat	-0.4086	0.0247	-0.1301	0.0995
raceAsian_2 No Asthma Escalation	-0.2826	-0.0107	0.0448	0.0102
raceLatino_2 No Asthma Escalatio	-0.0175	0.0007	-0.0090	-0.0002
raceMultiracial / Other_2 No Ast	1.0000	-0.0643	0.0581	-0.0816
childhhNo Children in HH_2 No As	-0.0643	1.0000	0.0645	0.3568
pfpl0-99% FPL_2 No Asthma Escala	0.0581	0.0645	1.0000	-0.1329
INSYes_2 No Asthma Escalation	-0.0816	0.3568	-0.1329	1.0000

Classification Table									
Prob Level	Correct		Incorrect		Percentages				
	Event	Non- Event	Event	Non- Event	Correct	Sensi- tivity	Speci- ficity	Pos Pred	Neg Pred
0.852	113E3	318	777	10249	91.1	91.7	29.0	99.3	3.0