

The LOGISTIC Procedure

Model Information		
Data Set	WORK.FRMGHAM2	
Response Variable	HYPERTEN	Incident Hypertension
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	3004
Number of Observations Used	3004

Response Profile		
Ordered Value	HYPERTEN	Total Frequency
1	Incident HTN	1822
2	No HTN	1182

Probability modeled is HYPERTEN='Incident HTN'.

Class Level Information					
Class	Value	Design Variables			
SEX	Female	1			
	Male	0			
CURSMOKE	Current smoker	1			
	Not current smoker	0			
bpCategory	HYP1	1	0	0	
	HYP2+	0	1	0	
	LOW/NORM	0	0	0	
	PREH	0	0	1	
obeseCategory	0	0			
	1	1			
highGlucose	0	0			
	1	1			

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

The LOGISTIC Procedure

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	4029.026	3581.716
SC	4035.034	3635.786
-2 Log L	4027.026	3563.716

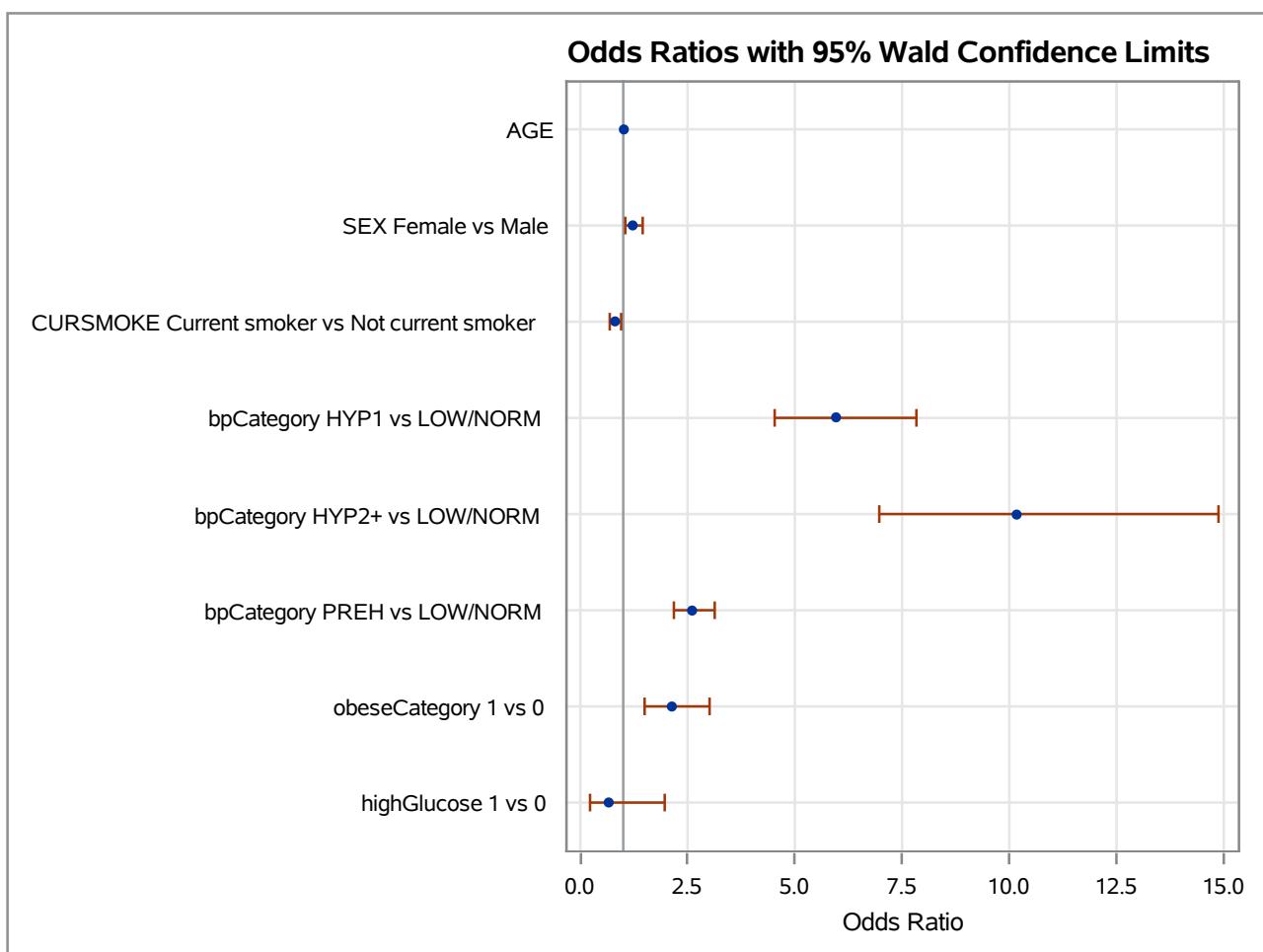
Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	463.3098	8	<.0001
Score	425.6728	8	<.0001
Wald	369.0513	8	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
AGE	1	3.3248	0.0682
SEX	1	6.3913	0.0115
CURSMOKE	1	6.5119	0.0107
bpCategory	3	309.7510	<.0001
obeseCategory	1	17.8773	<.0001
highGlucose	1	0.5402	0.4624

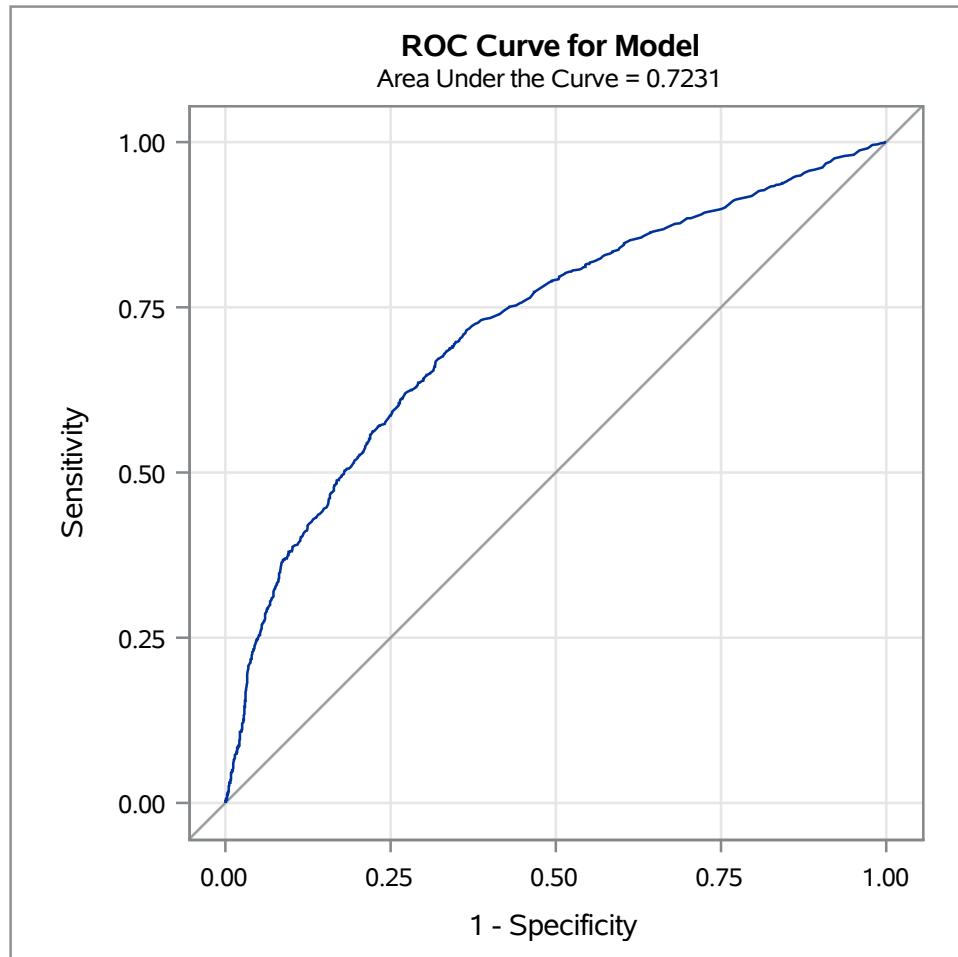
Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.7420	0.2684	7.6438	0.0057
AGE		1	0.00931	0.00511	3.3248	0.0682
SEX	Female	1	0.2107	0.0833	6.3913	0.0115
CURSMOKE	Current smoker	1	-0.2136	0.0837	6.5119	0.0107
bpCategory	HYP1	1	1.7846	0.1397	163.1334	<.0001
bpCategory	HYP2+	1	2.3206	0.1935	143.8722	<.0001
bpCategory	PREH	1	0.9607	0.0924	108.1718	<.0001
obeseCategory	1	1	0.7534	0.1782	17.8773	<.0001
highGlucose	1	1	-0.4057	0.5520	0.5402	0.4624

The LOGISTIC Procedure

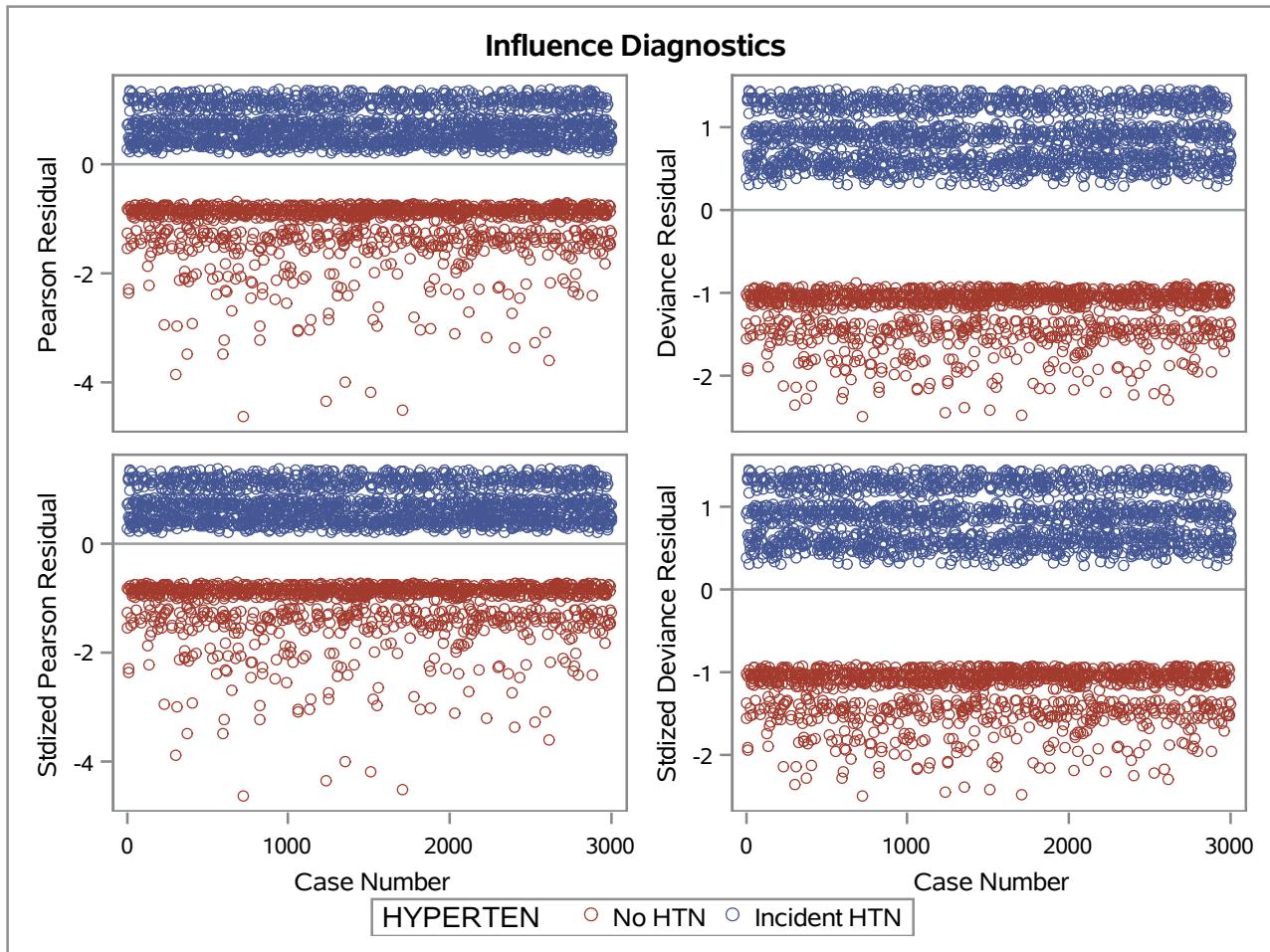
Odds Ratio Estimates			
Effect		Point Estimate	95% Wald Confidence Limits
AGE		1.009	0.999 1.020
SEX Female vs Male		1.235	1.048 1.454
CURSMOKE Current smoker vs Not current smoker		0.808	0.686 0.952
bpCategory HYP1 vs LOW/NORM		5.957	4.530 7.834
bpCategory HYP2+ vs LOW/NORM		10.181	6.968 14.876
bpCategory PREH vs LOW/NORM		2.613	2.181 3.132
obeseCategory 1 vs 0		2.124	1.498 3.012
highGlucose 1 vs 0		0.666	0.226 1.967



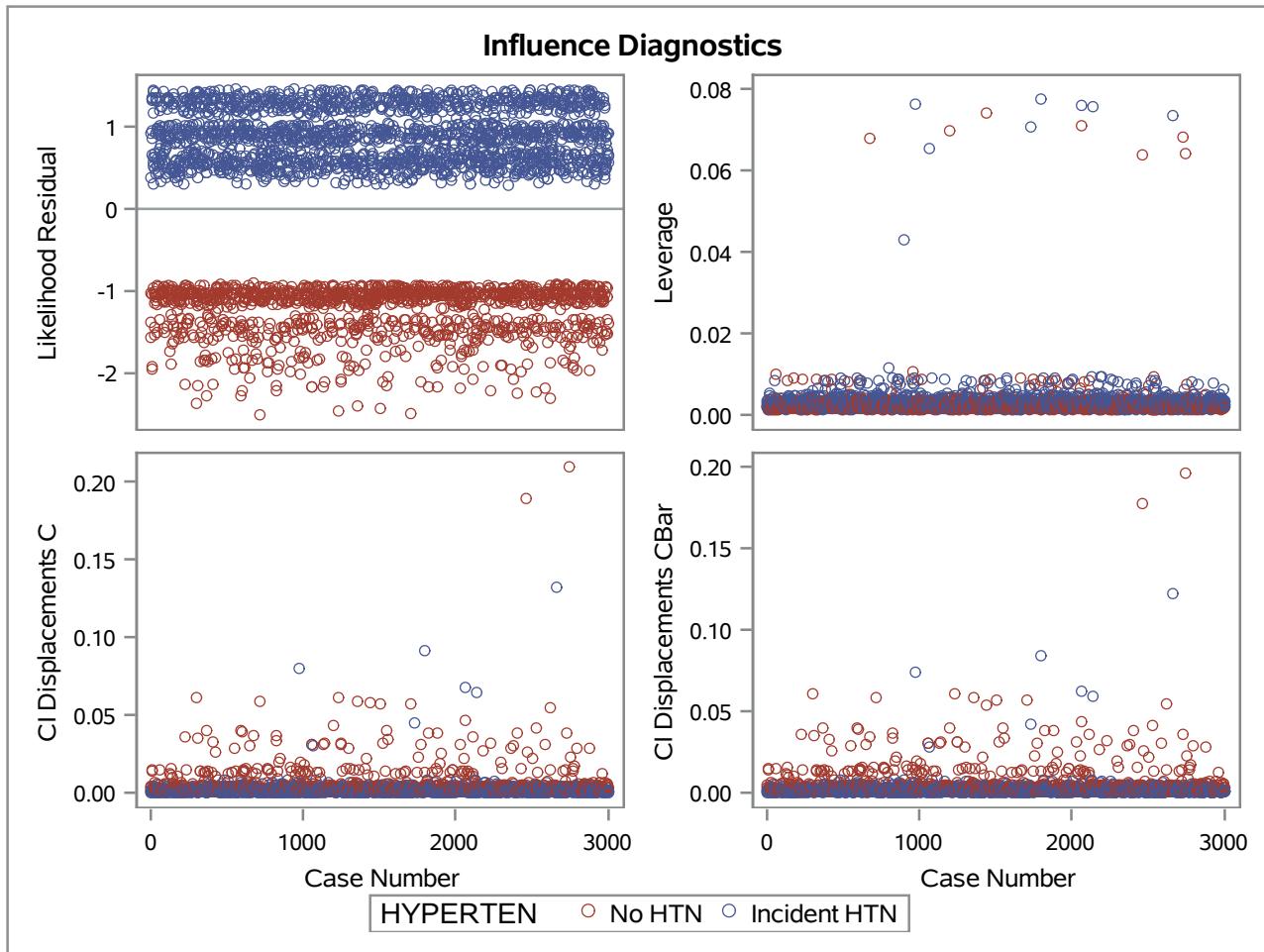
Association of Predicted Probabilities and Observed Responses			
Percent Concordant	72.2	Somers' D	0.446
Percent Discordant	27.6	Gamma	0.447
Percent Tied	0.3	Tau-a	0.213
Pairs	2153604	c	0.723

The LOGISTIC Procedure

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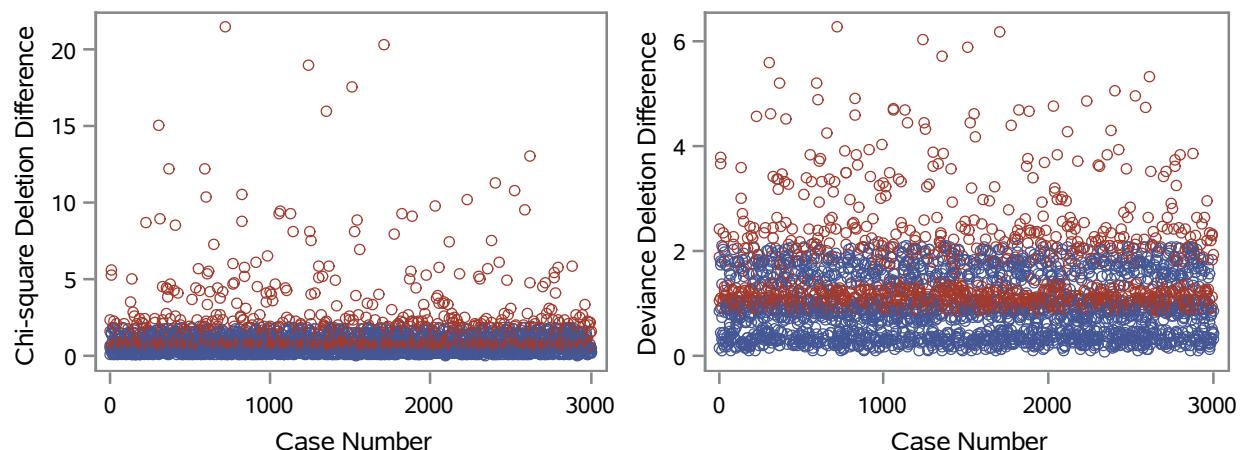


The LOGISTIC Procedure



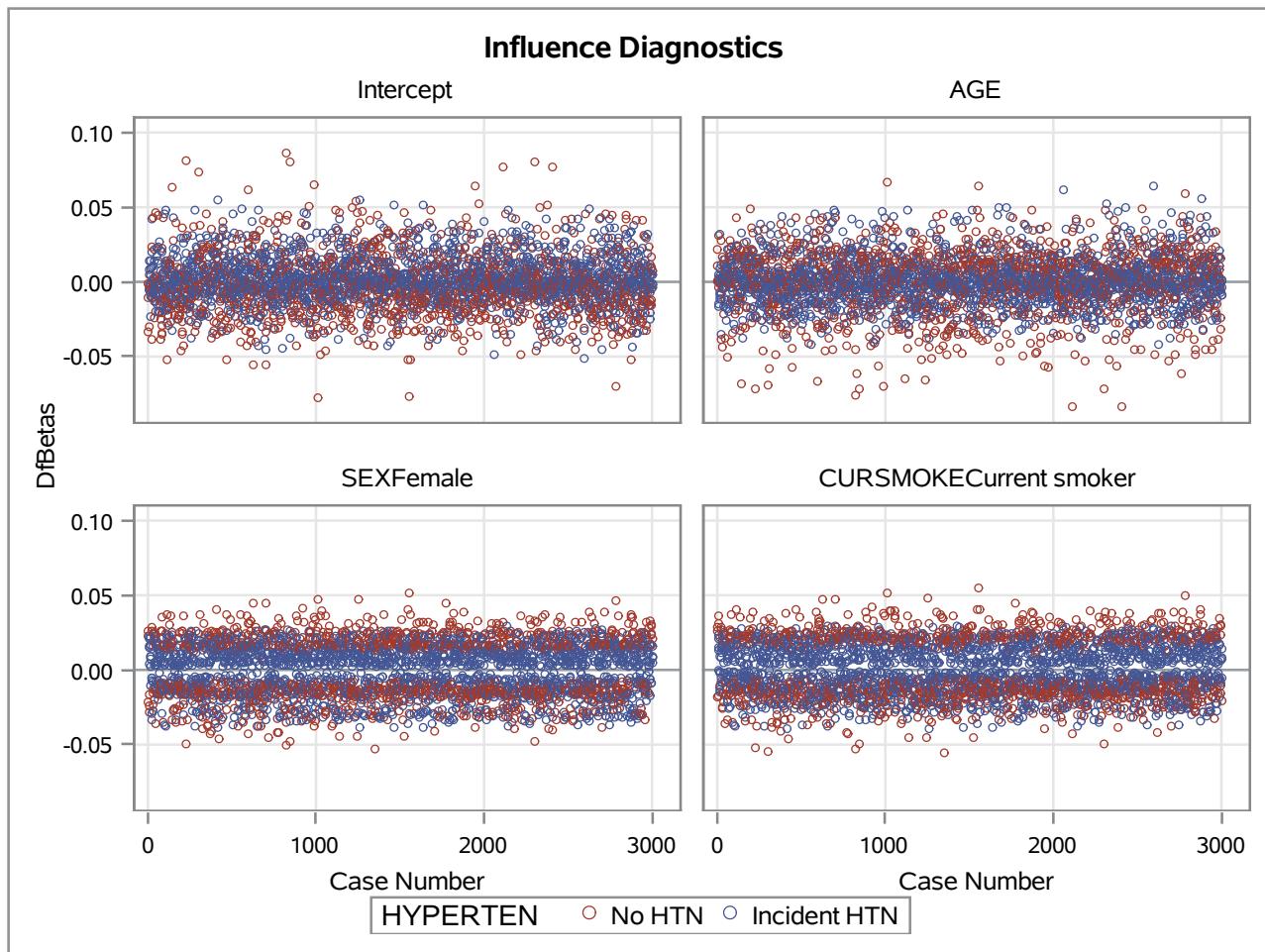
The LOGISTIC Procedure

Influence Diagnostics

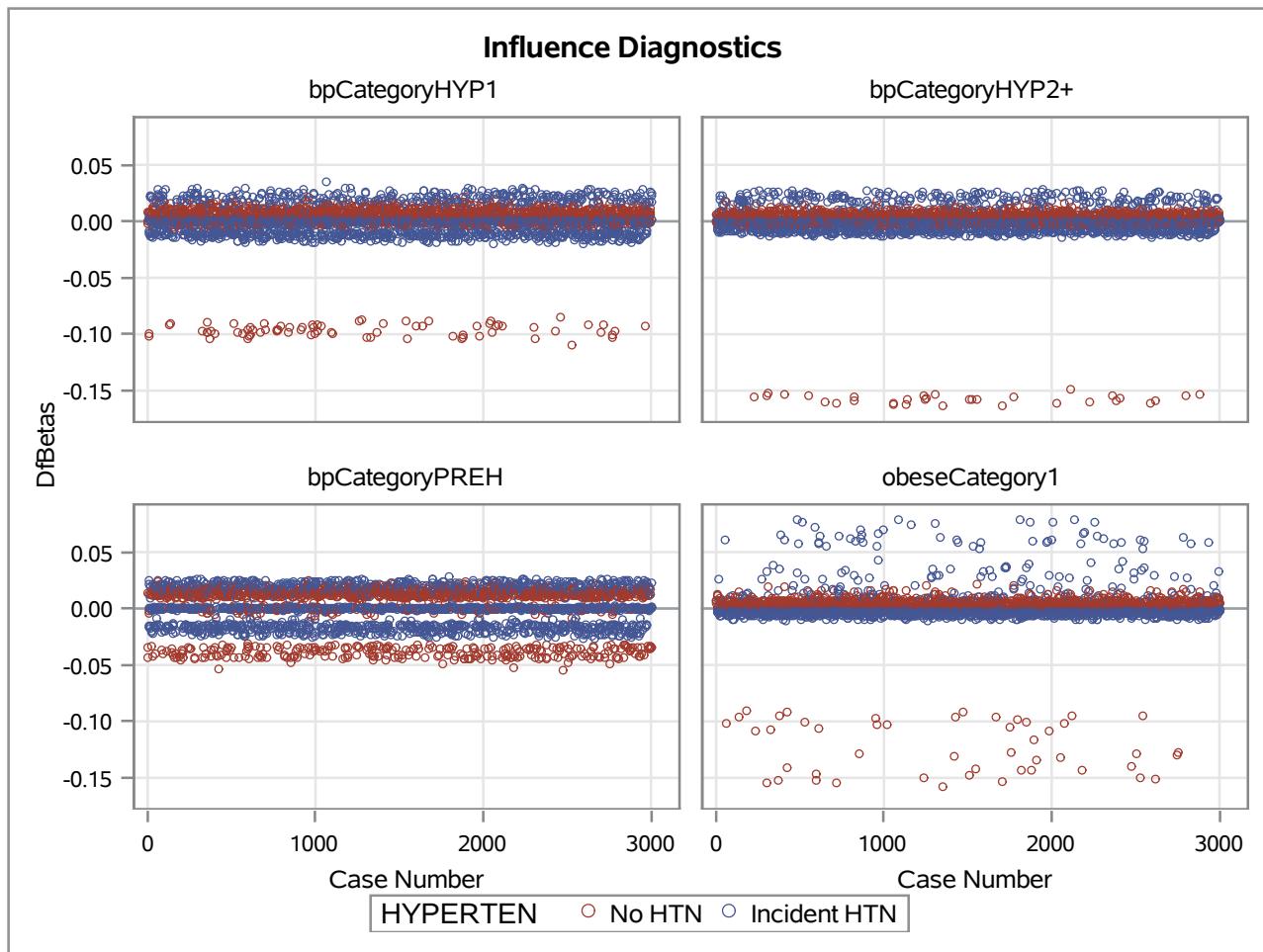


HYPERTEN ○ No HTN ○ Incident HTN

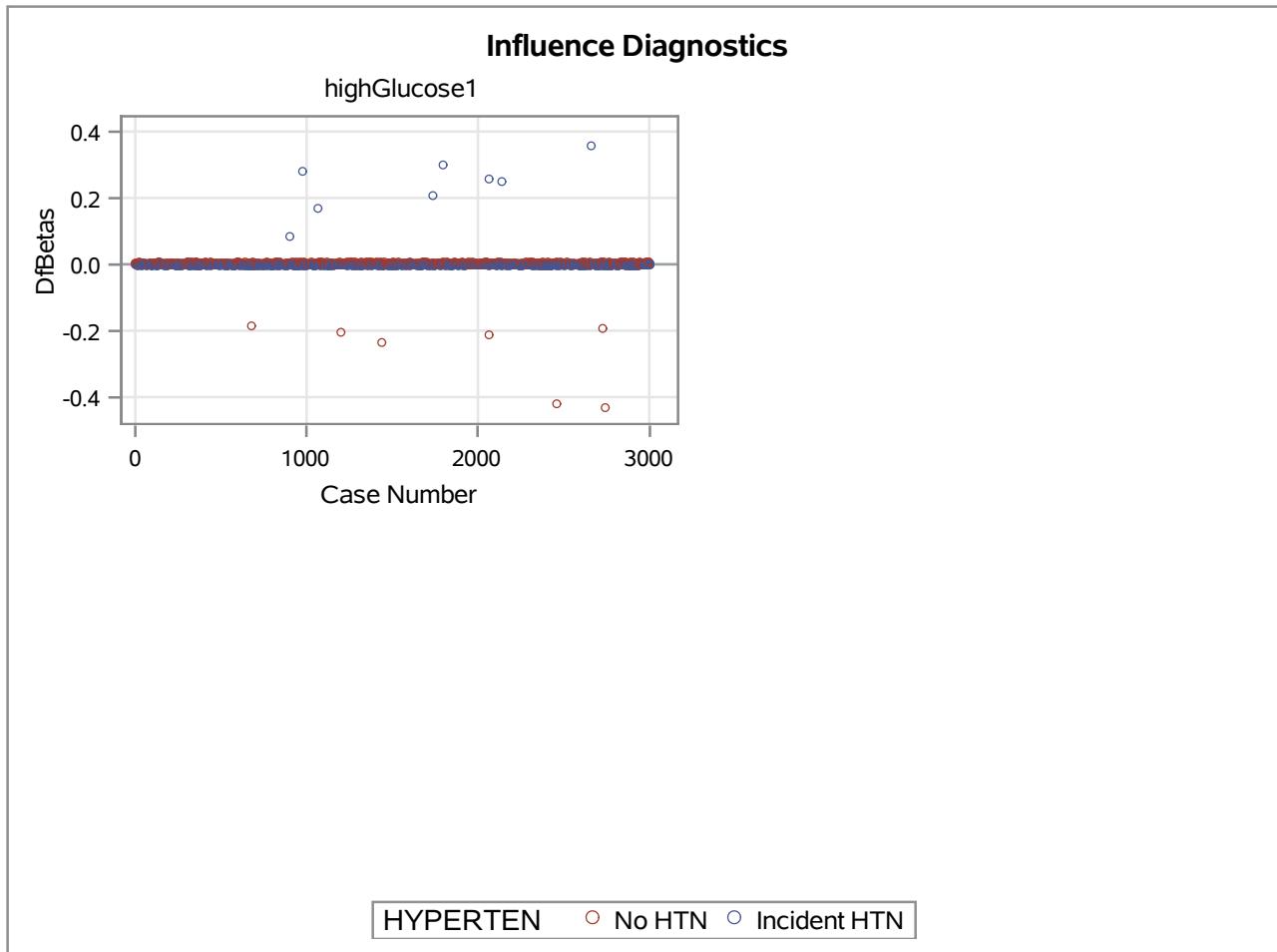
The LOGISTIC Procedure



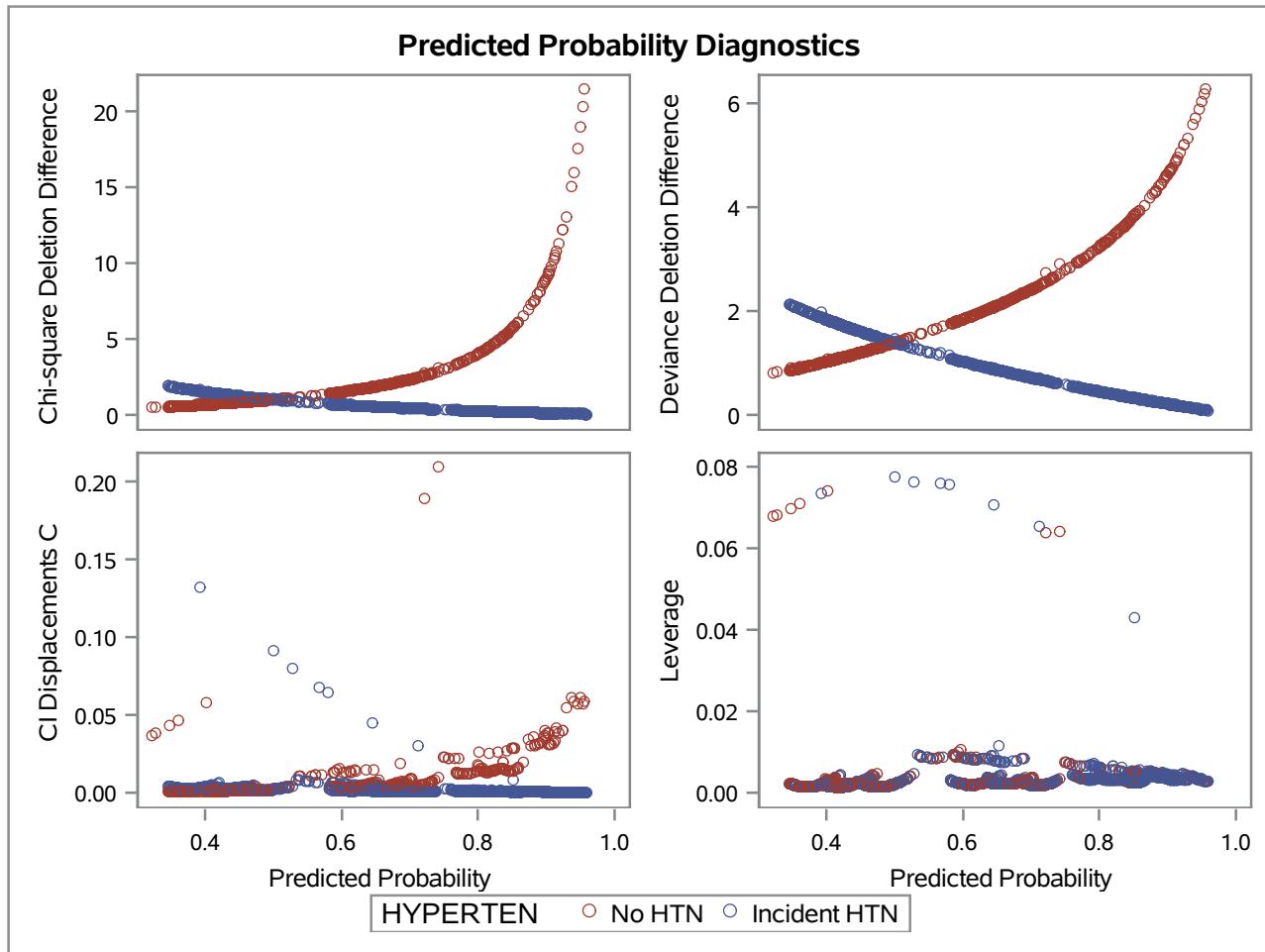
The LOGISTIC Procedure



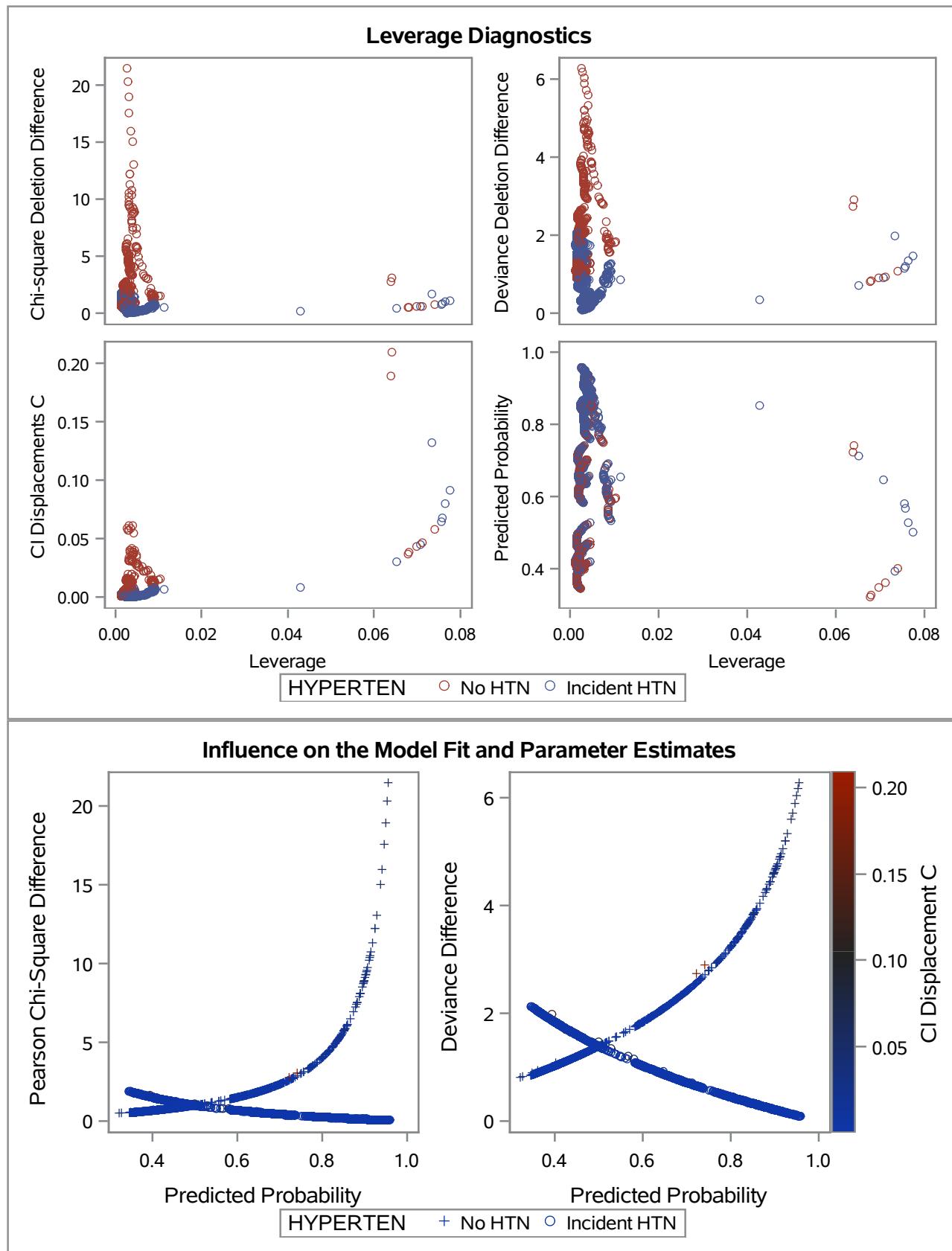
The LOGISTIC Procedure



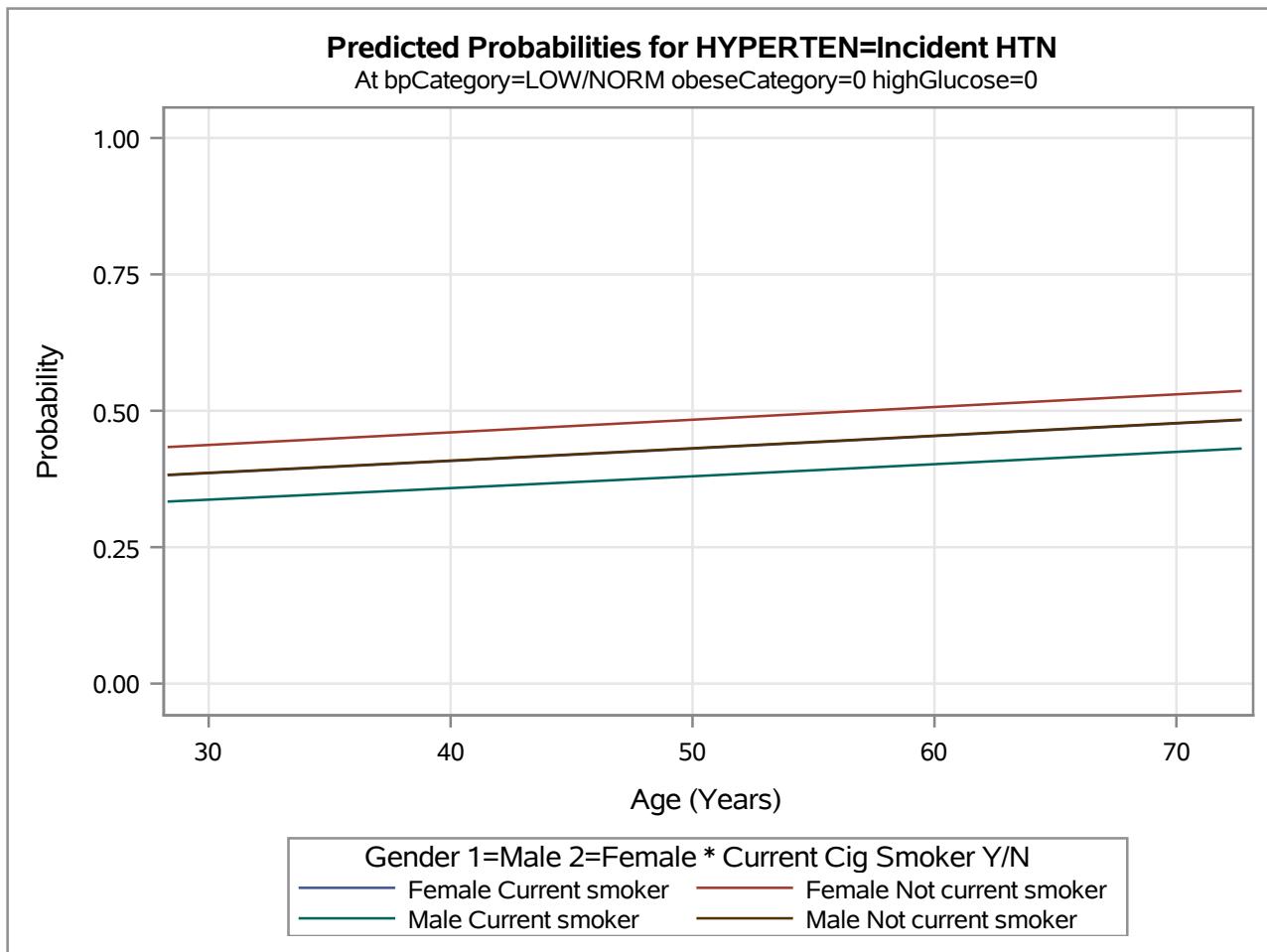
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