

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			
DIABETES	Diabetes	1			
	No Diabetes	0			

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

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Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	4029.026	3581.228
SC	4035.034	3635.298
-2 Log L	4027.026	3563.228

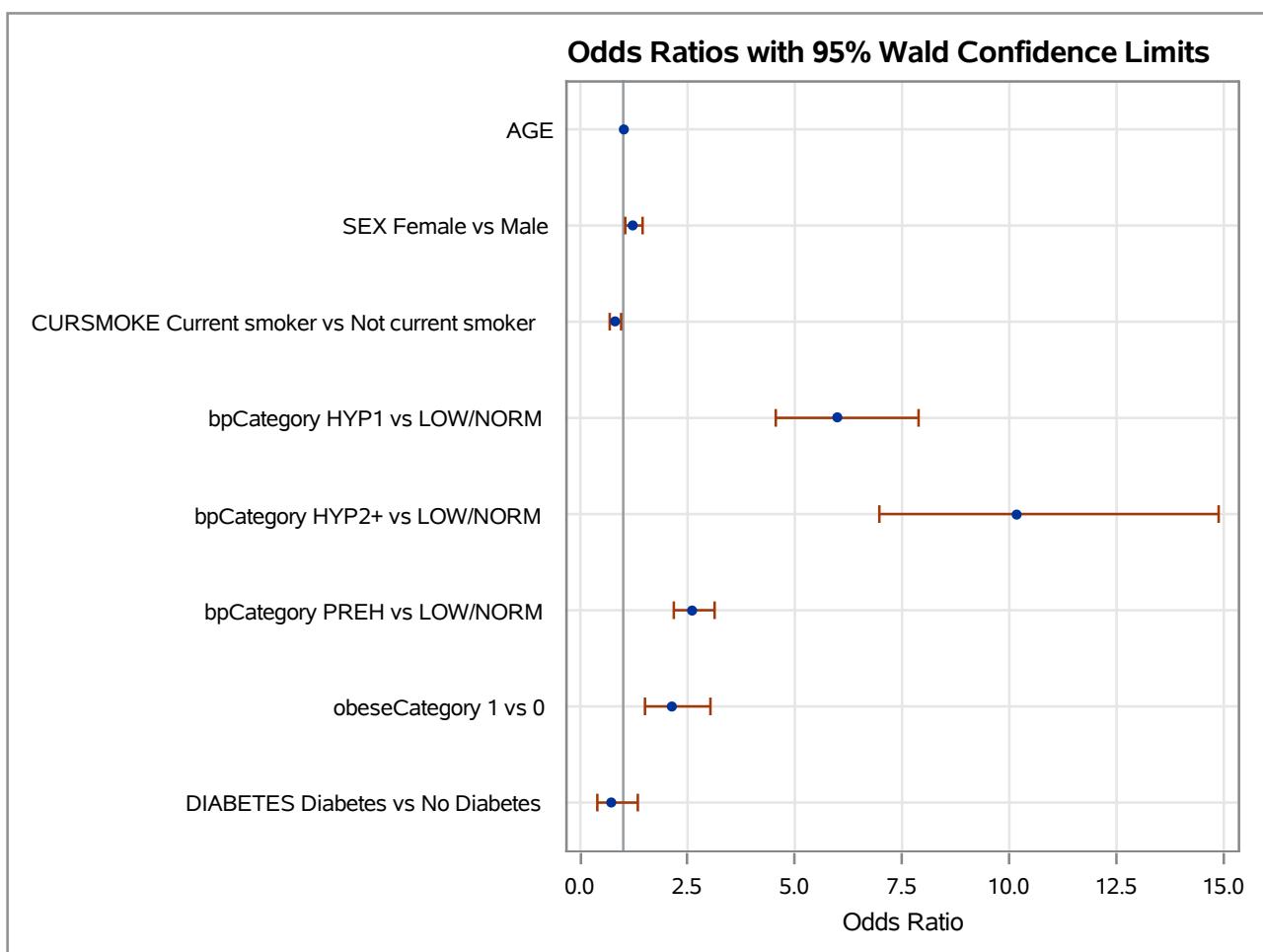
Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	463.7976	8	<.0001
Score	426.0312	8	<.0001
Wald	369.2548	8	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
AGE	1	3.4679	0.0626
SEX	1	6.2701	0.0123
CURSMOKE	1	6.5605	0.0104
bpCategory	3	310.2439	<.0001
obeseCategory	1	18.1440	<.0001
DIABETES	1	1.0389	0.3081

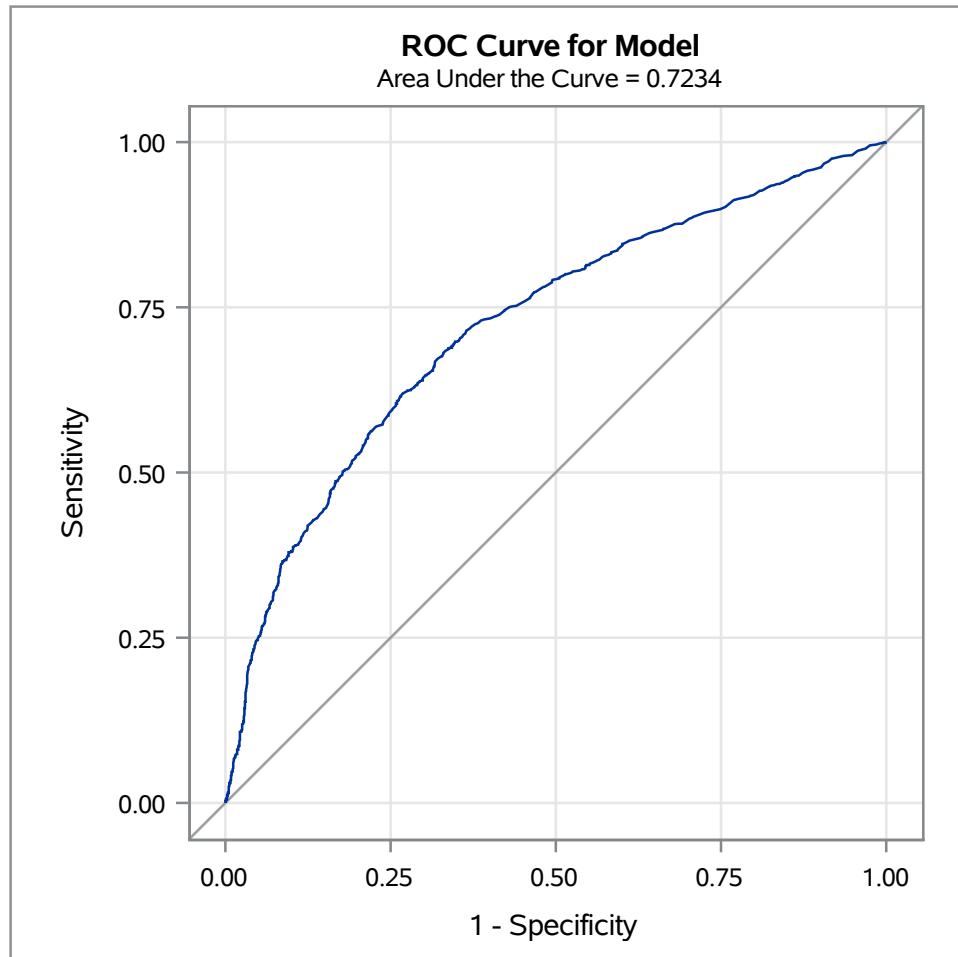
Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.7483	0.2685	7.7642	0.0053
AGE		1	0.00953	0.00512	3.4679	0.0626
SEX	Female	1	0.2088	0.0834	6.2701	0.0123
CURSMOKE	Current smoker	1	-0.2143	0.0837	6.5605	0.0104
bpCategory	HYP1	1	1.7907	0.1399	163.7811	<.0001
bpCategory	HYP2+	1	2.3208	0.1935	143.9183	<.0001
bpCategory	PREH	1	0.9600	0.0924	108.0182	<.0001
obeseCategory	1	1	0.7597	0.1783	18.1440	<.0001
DIABETES	Diabetes	1	-0.3169	0.3110	1.0389	0.3081

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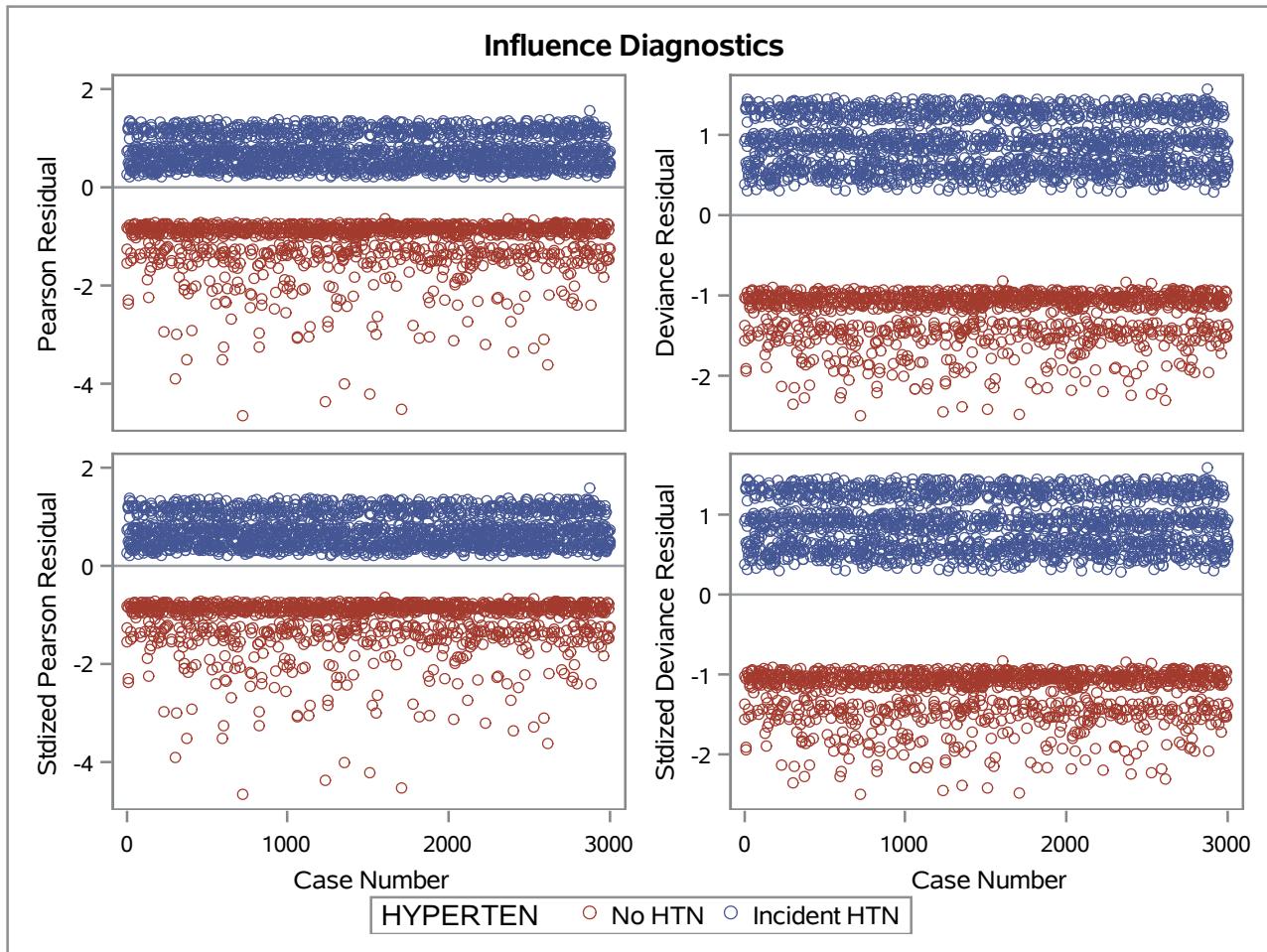
Odds Ratio Estimates			
Effect		Point Estimate	95% Wald Confidence Limits
AGE		1.010	0.999 1.020
SEX Female vs Male		1.232	1.046 1.451
CURSMOKE Current smoker vs Not current smoker		0.807	0.685 0.951
bpCategory HYP1 vs LOW/NORM		5.994	4.556 7.885
bpCategory HYP2+ vs LOW/NORM		10.184	6.970 14.880
bpCategory PREH vs LOW/NORM		2.612	2.179 3.130
obeseCategory 1 vs 0		2.138	1.507 3.032
DIABETES Diabetes vs No Diabetes		0.728	0.396 1.340



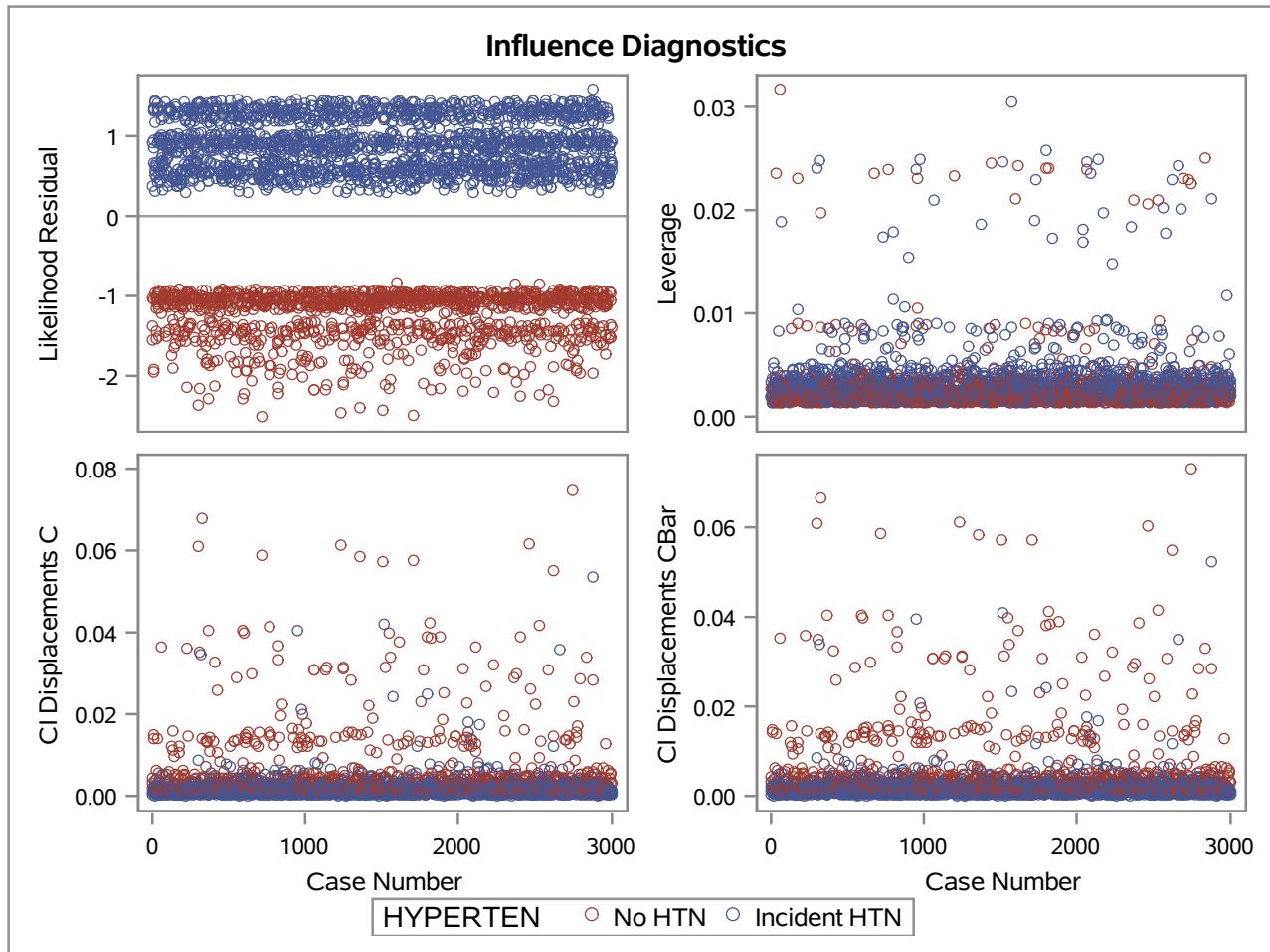
Association of Predicted Probabilities and Observed Responses			
Percent Concordant	72.2	Somers' D	0.447
Percent Discordant	27.5	Gamma	0.448
Percent Tied	0.3	Tau-a	0.213
Pairs	2153604	c	0.723

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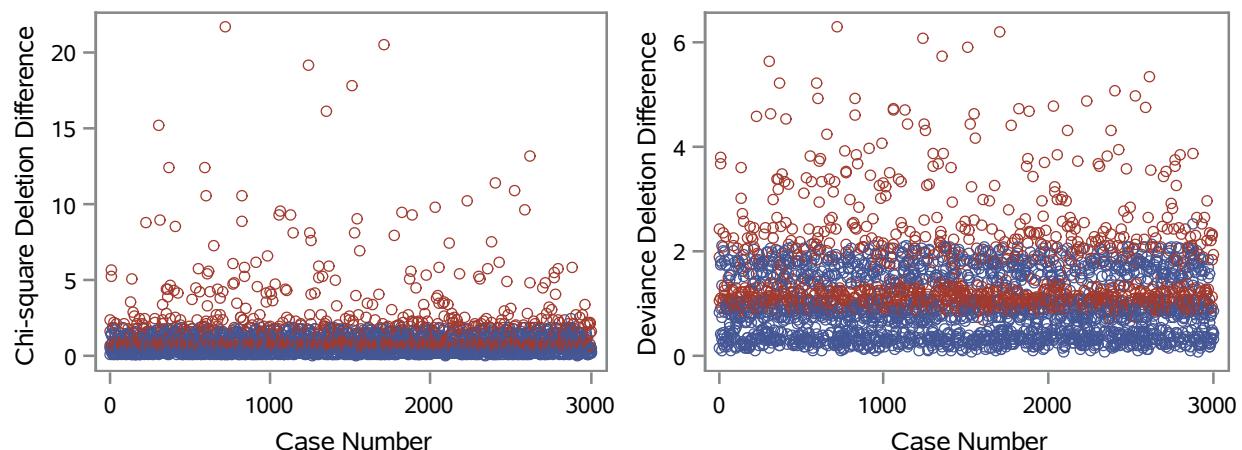


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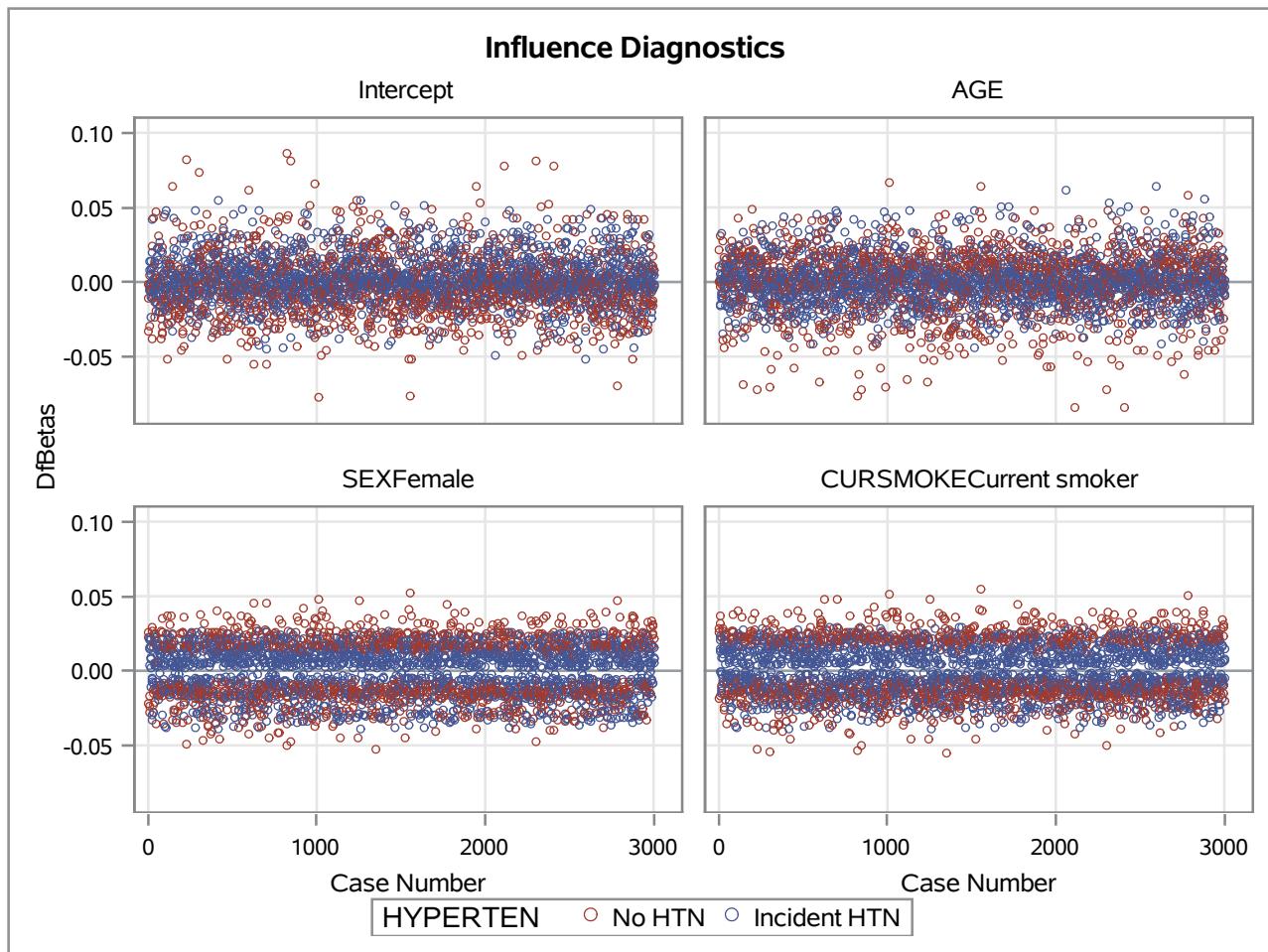
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Influence Diagnostics

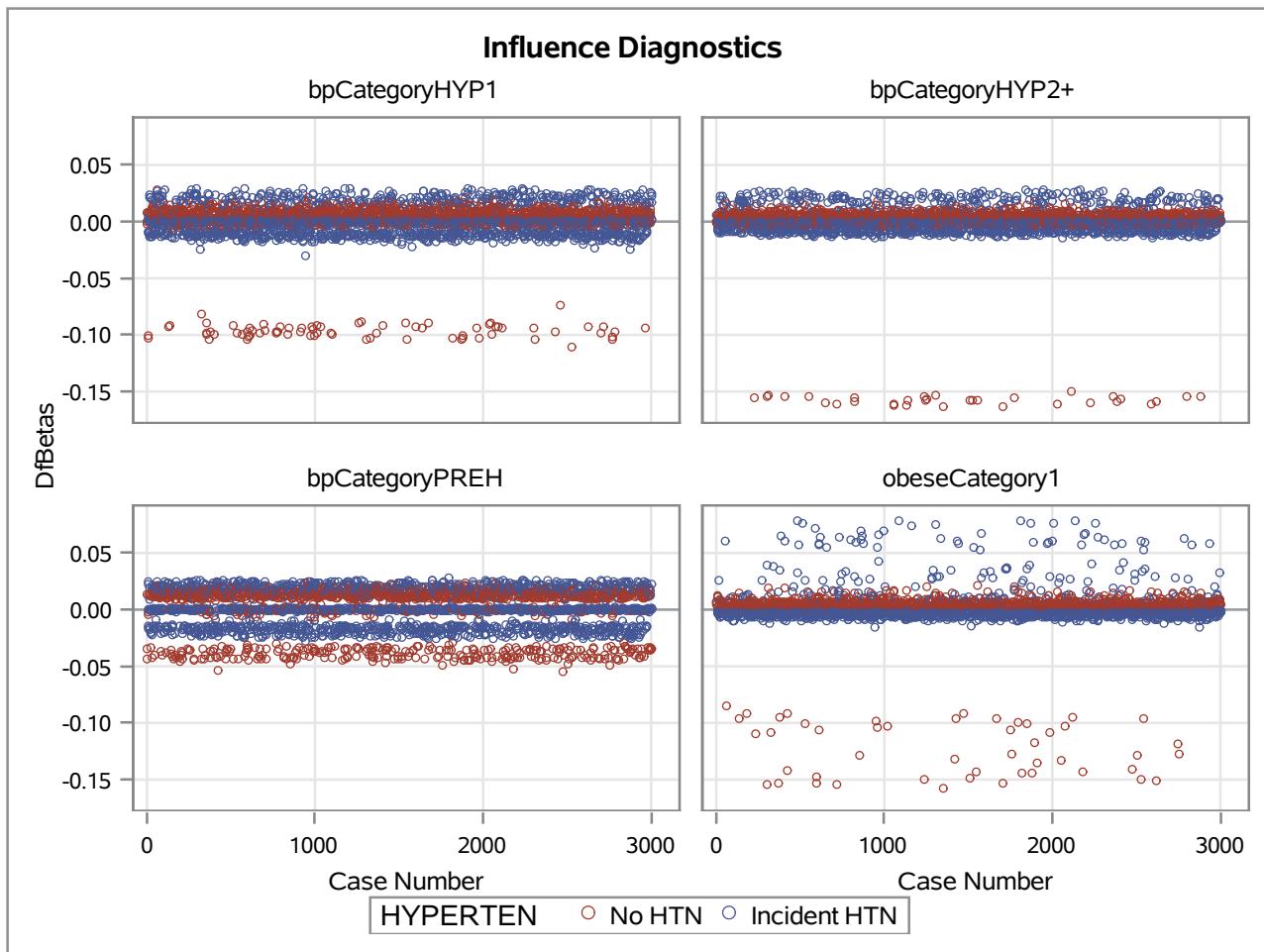


HYPERTEN ○ No HTN ○ Incident HTN

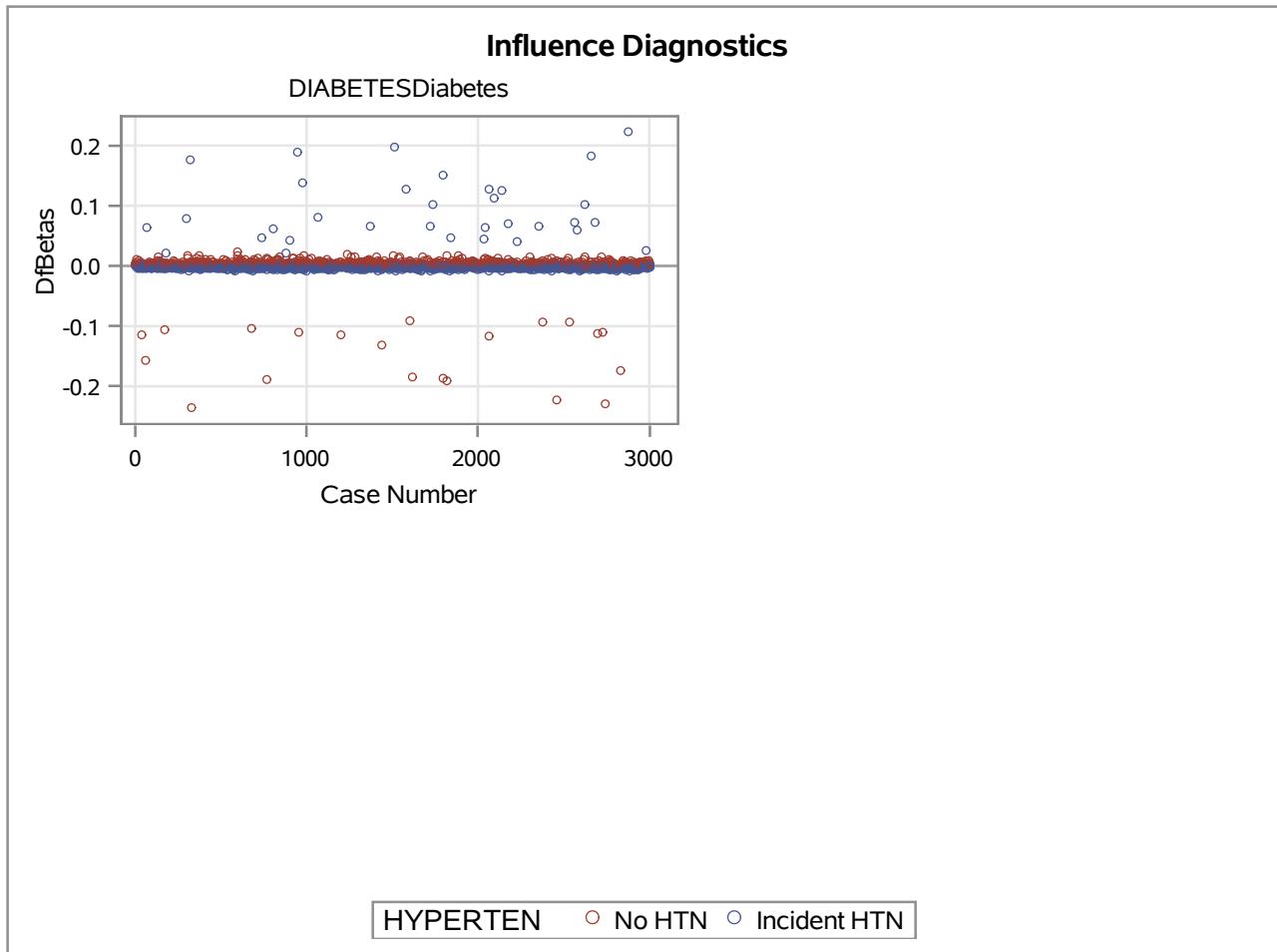
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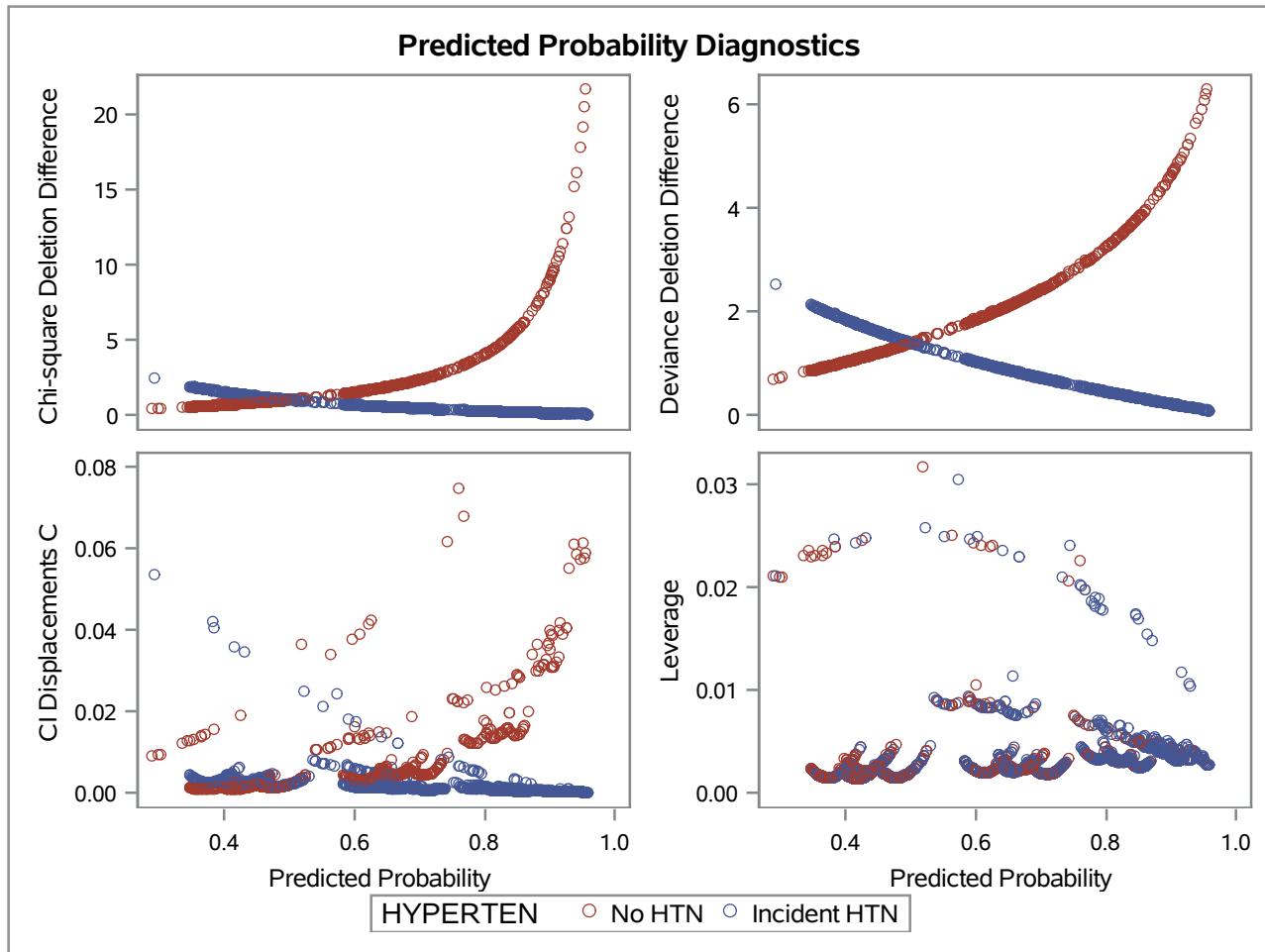
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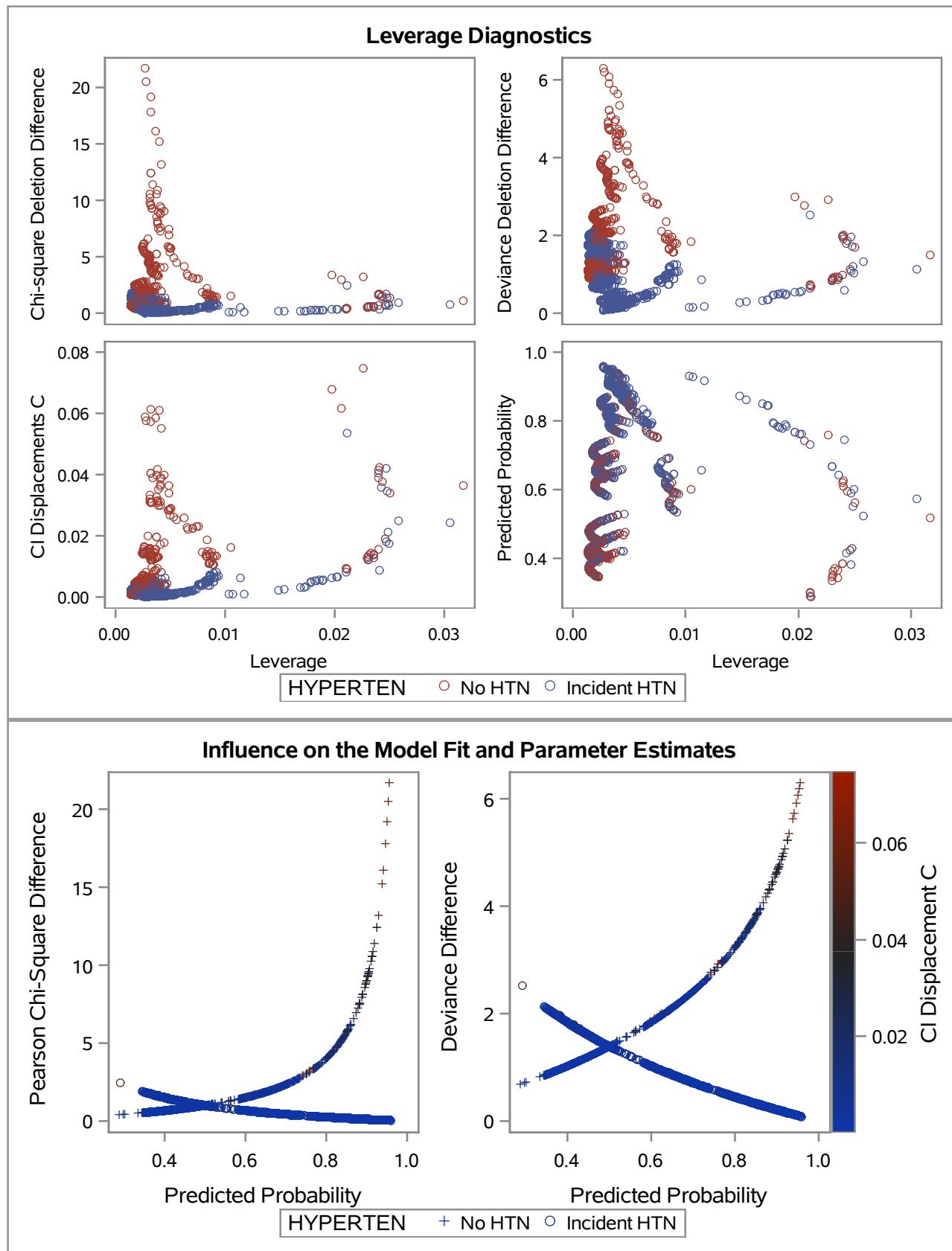
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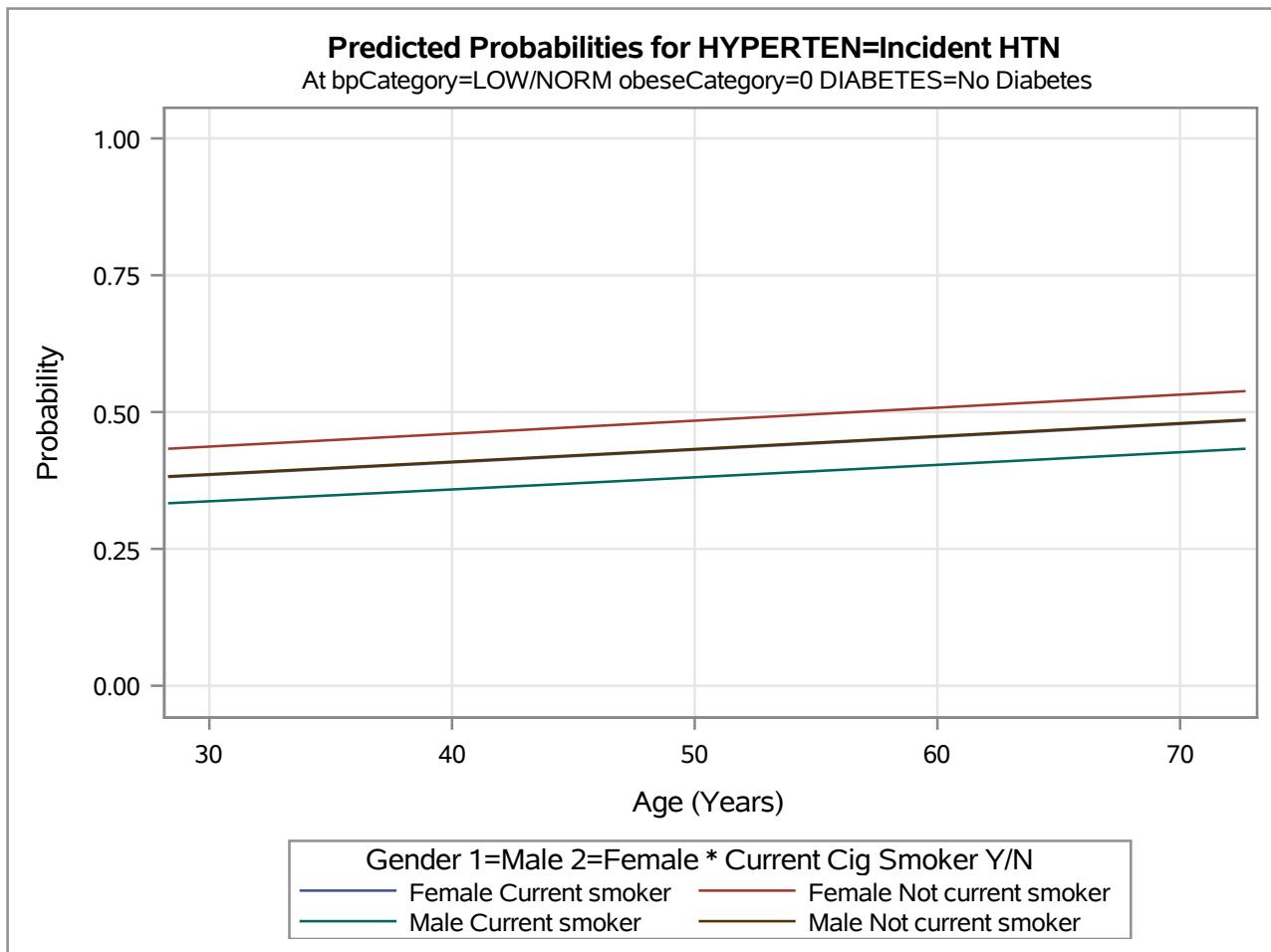
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