

## 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	2992

Response Profile		
Ordered Value	HYPERTEN	Total Frequency
1	Incident HTN	1816
2	No HTN	1176

Probability modeled is HYPERTEN='Incident HTN'.

Note: 12 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information		
Class	Value	Design Variables
SEX	Female	1
	Male	0
CURSMOKE	Current smoker	1
	Not current smoker	0
DIABETES	Diabetes	1
	No Diabetes	0

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	4011.831	3492.574
SC	4017.834	3528.596
-2 Log L	4009.831	3480.574

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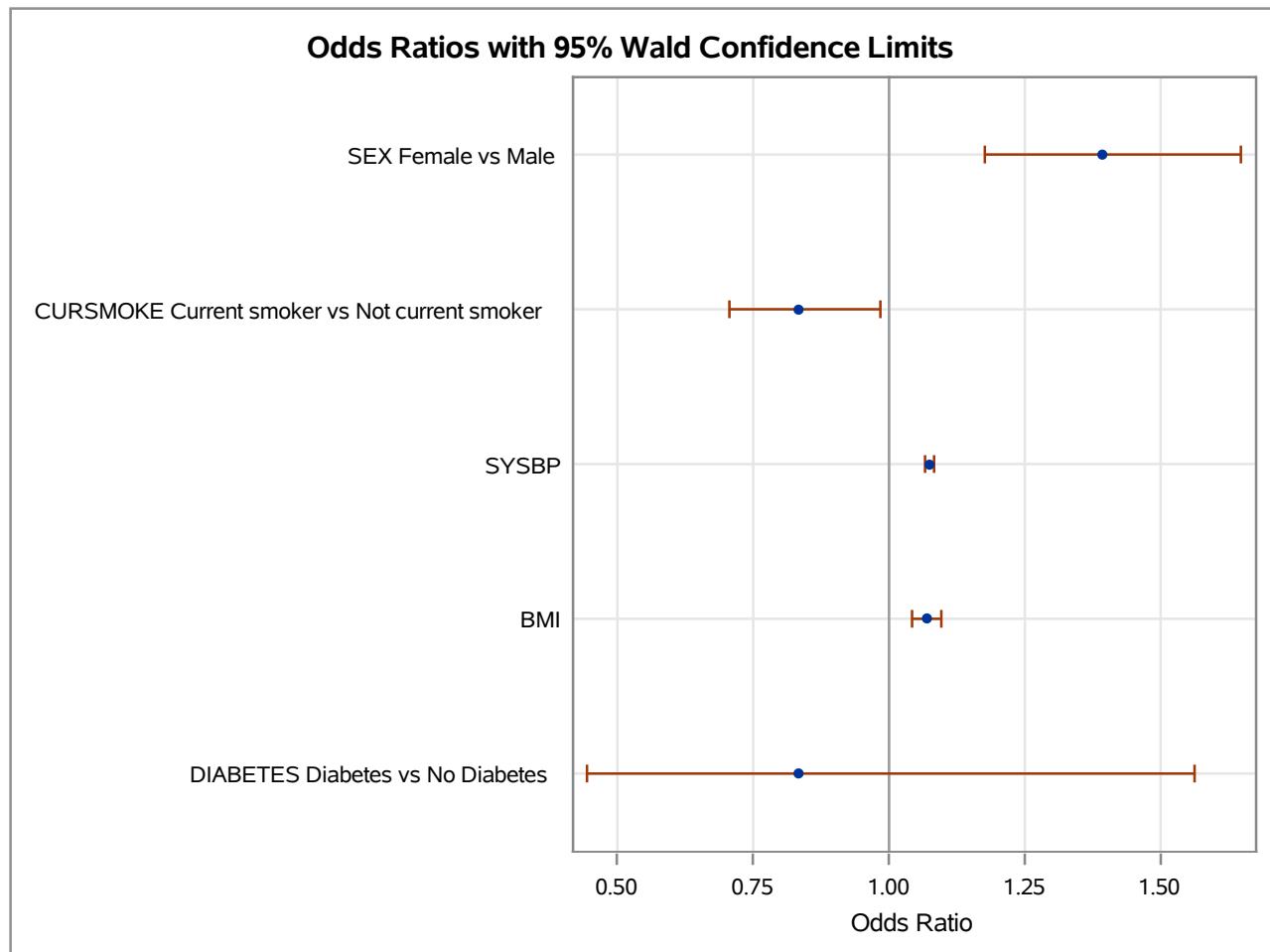
Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	529.2572	5	<.0001
Score	464.3654	5	<.0001
Wald	404.4080	5	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
SEX	1	14.8179	0.0001
CURSMOKE	1	4.6211	0.0316
SYSBP	1	332.3122	<.0001
BMI	1	26.9929	<.0001
DIABETES	1	0.3244	0.5690

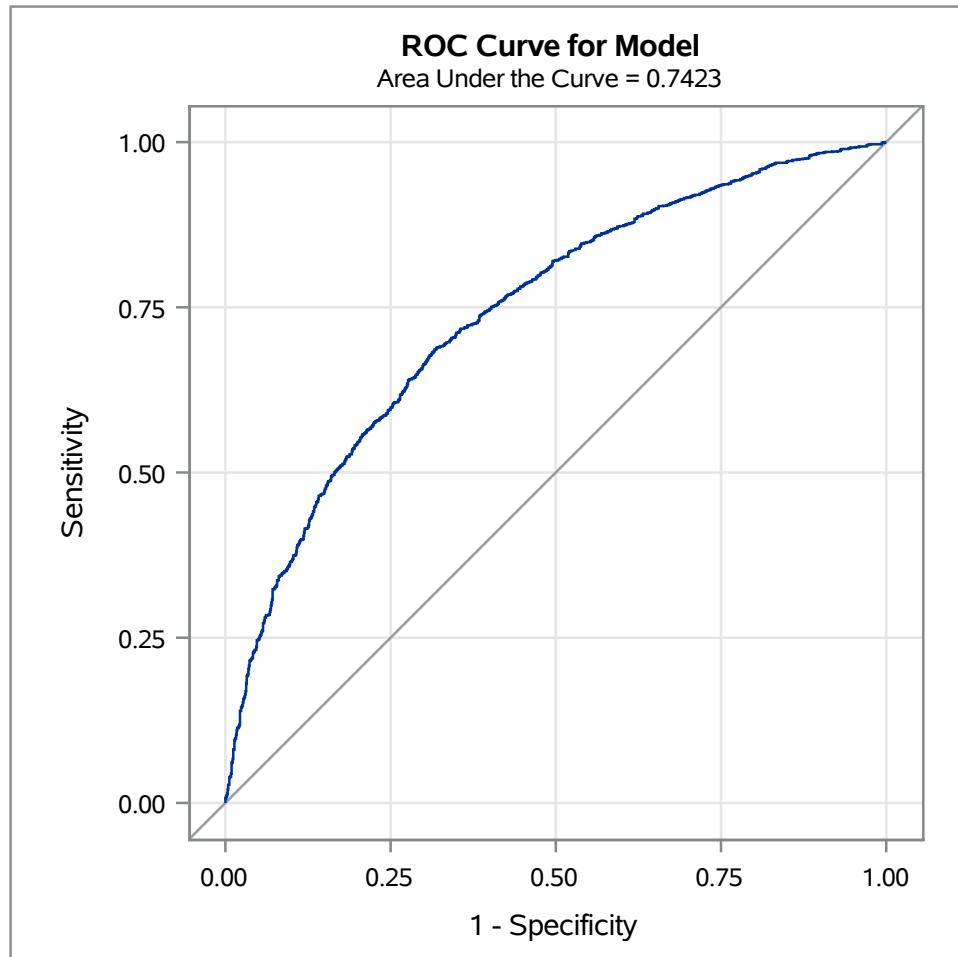
Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-9.9990	0.5586	320.3687	<.0001
SEX	Female	1	0.3309	0.0860	14.8179	0.0001
CURSMOKE	Current smoker	1	-0.1820	0.0847	4.6211	0.0316
SYSBP		1	0.0720	0.00395	332.3122	<.0001
BMI		1	0.0667	0.0128	26.9929	<.0001
DIABETES	Diabetes	1	-0.1828	0.3210	0.3244	0.5690

Odds Ratio Estimates				
Effect			Point Estimate	95% Wald Confidence Limits
SEX Female vs Male			1.392	1.176 1.648
CURSMOKE Current smoker vs Not current smoker			0.834	0.706 0.984
SYSBP			1.075	1.066 1.083
BMI			1.069	1.042 1.096
DIABETES Diabetes vs No Diabetes			0.833	0.444 1.562

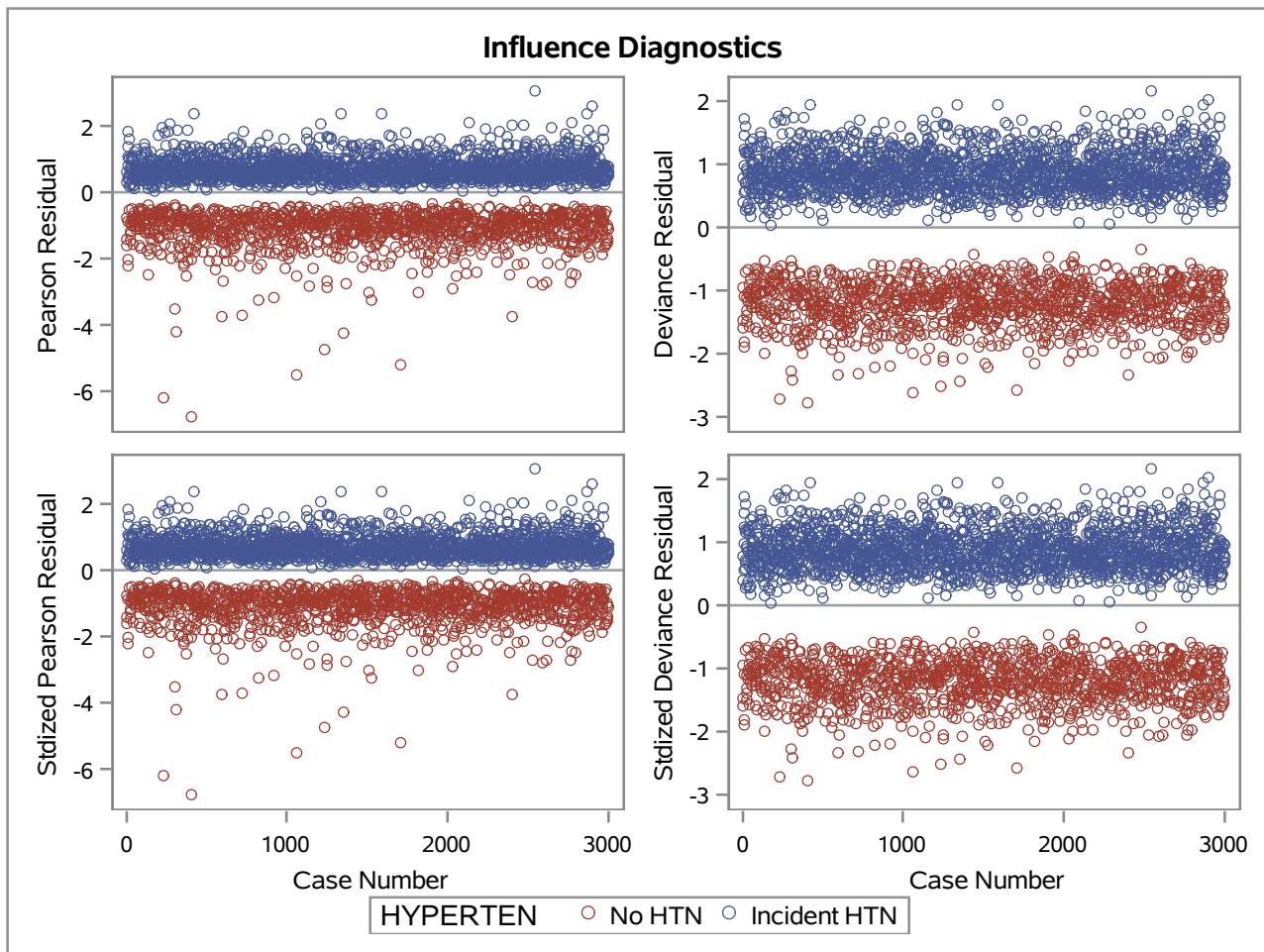
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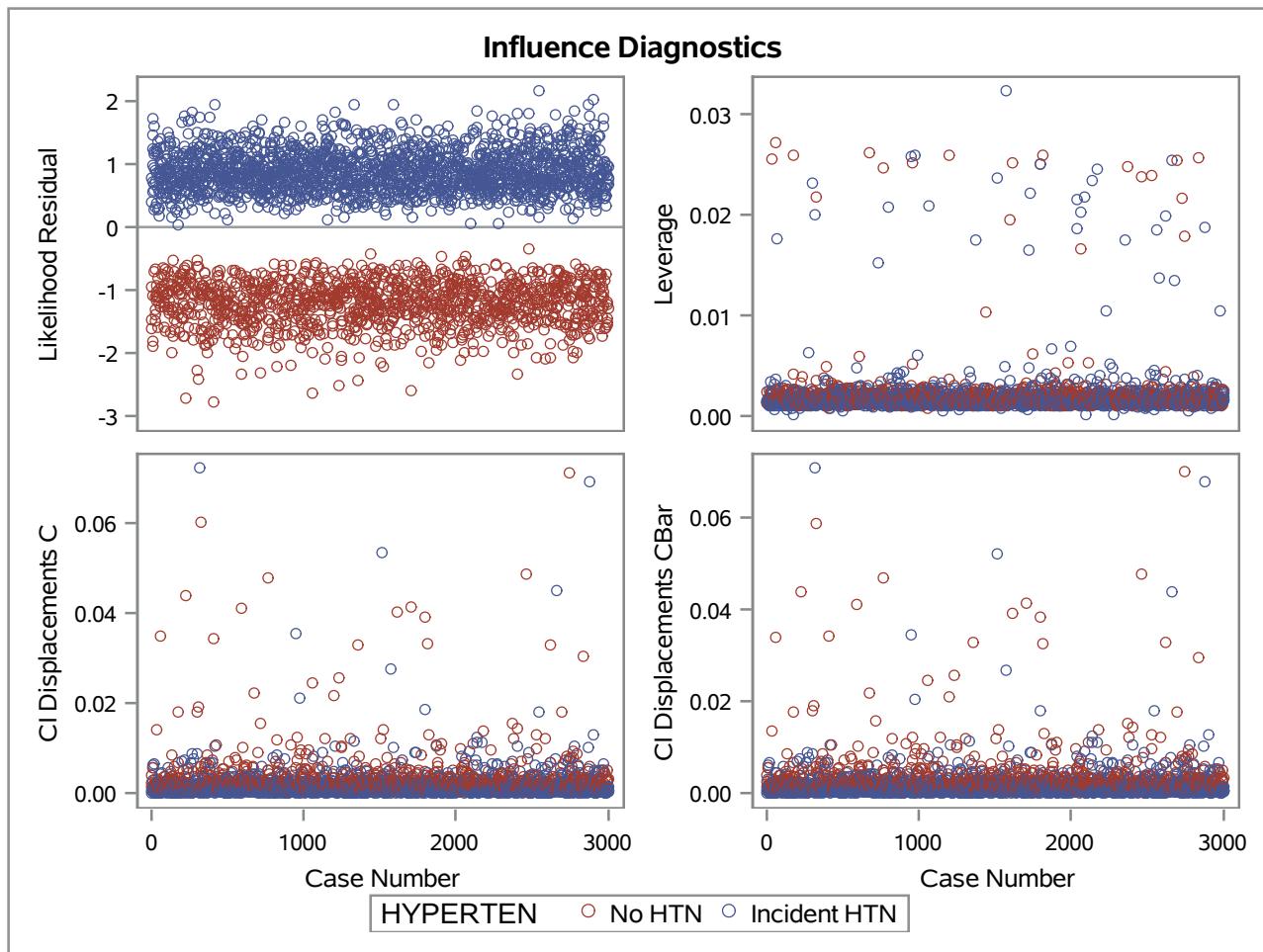
Association of Predicted Probabilities and Observed Responses			
Percent Concordant	74.2	Somers' D	0.485
Percent Discordant	25.8	Gamma	0.485
Percent Tied	0.0	Tau-a	0.231
Pairs	2135616	c	0.742

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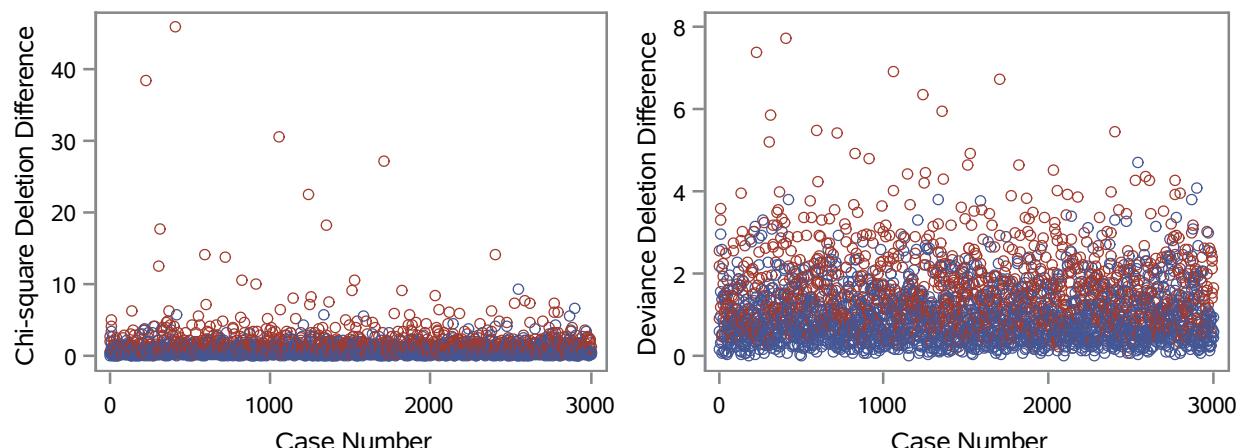


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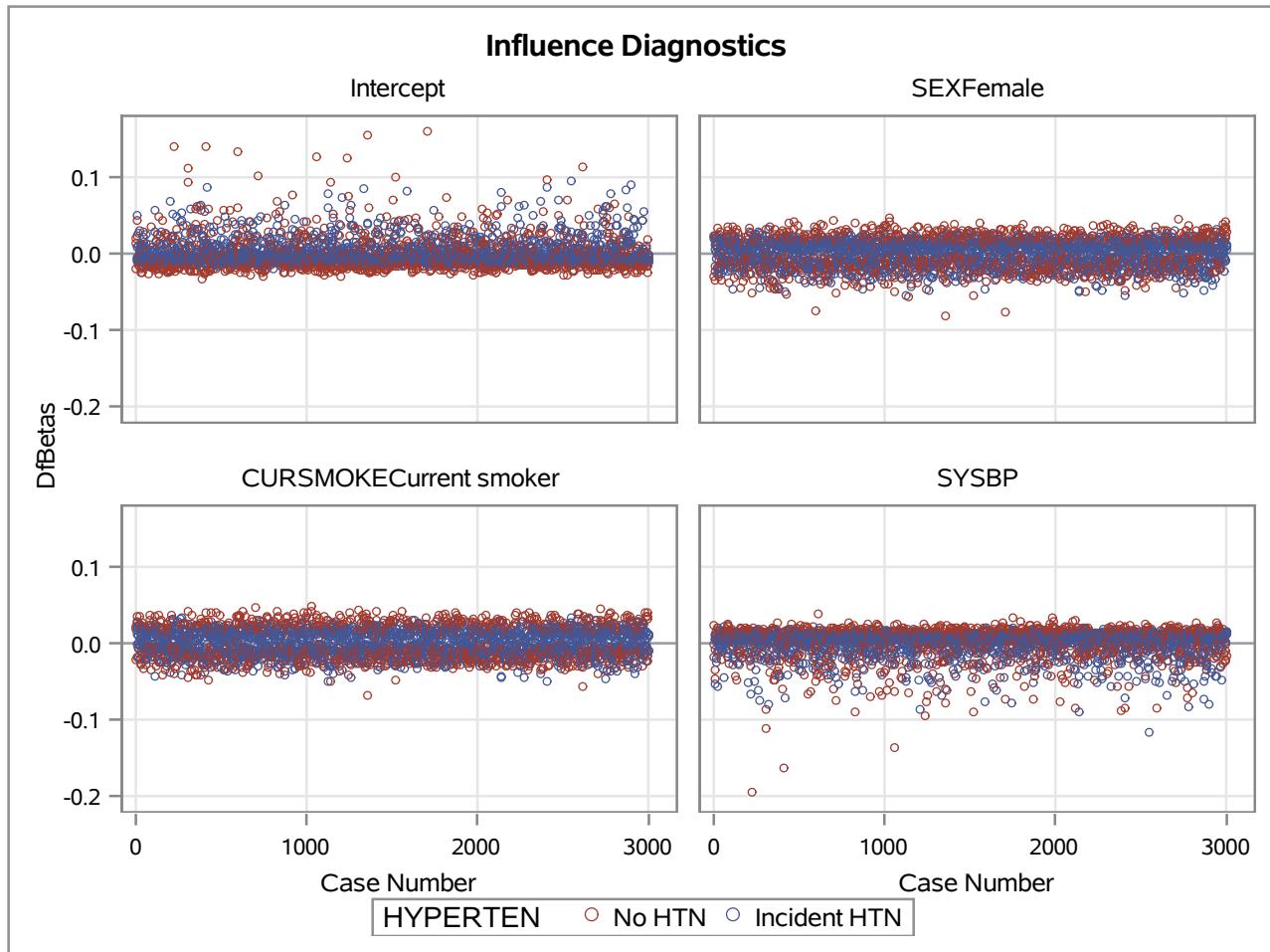
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## Influence Diagnostics

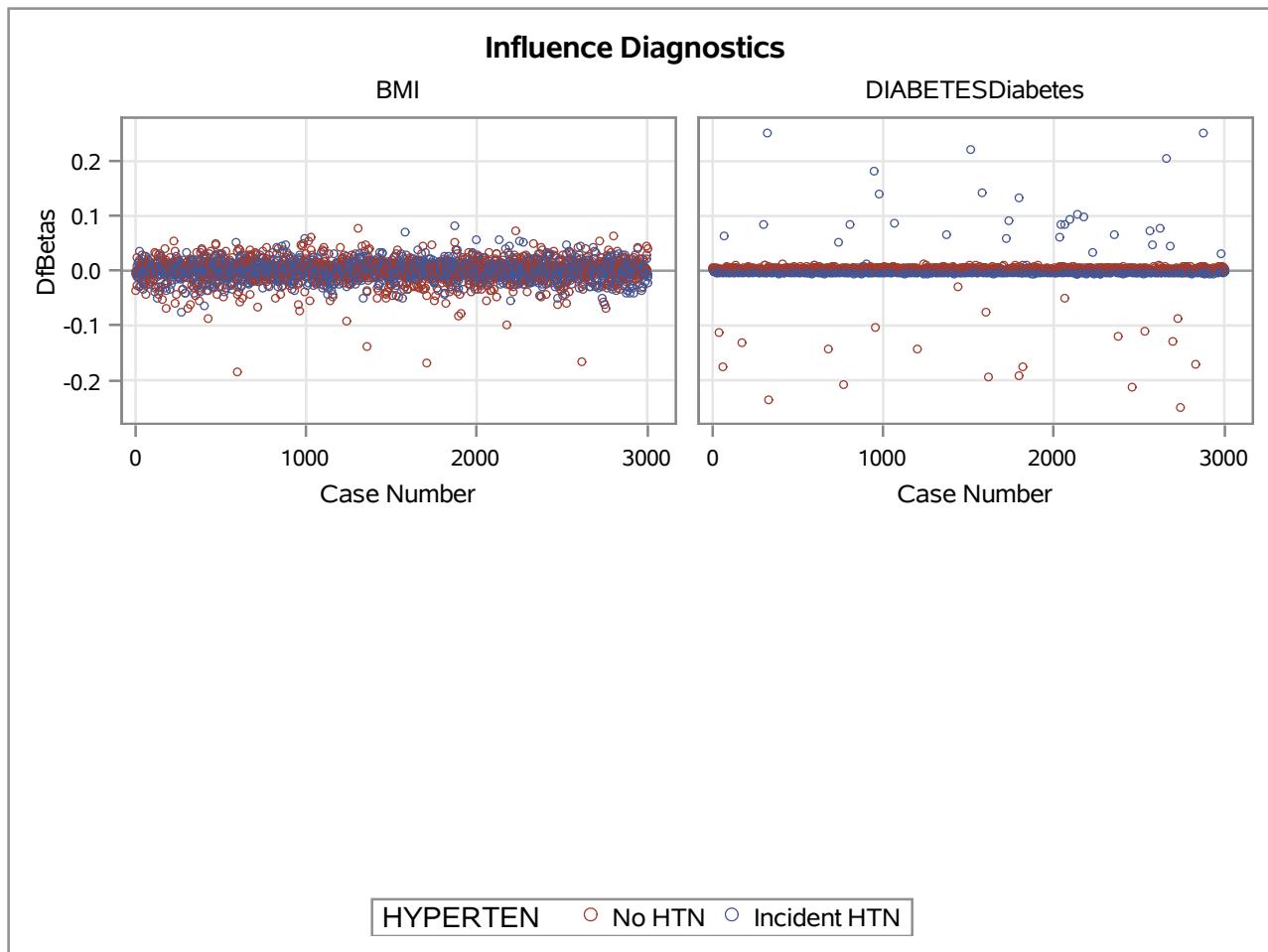


HYPERTEN      ○ No HTN    ○ Incident HTN

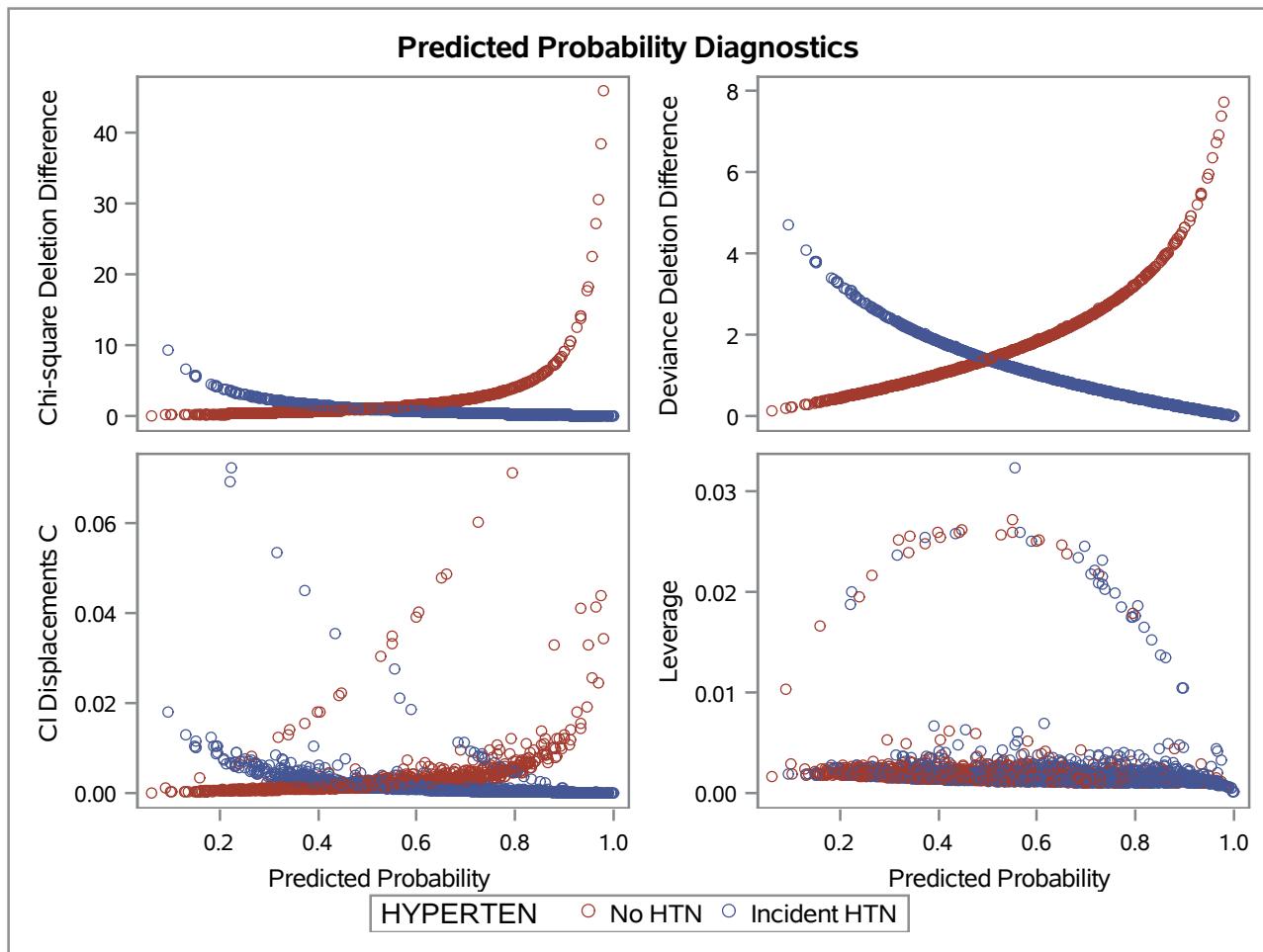
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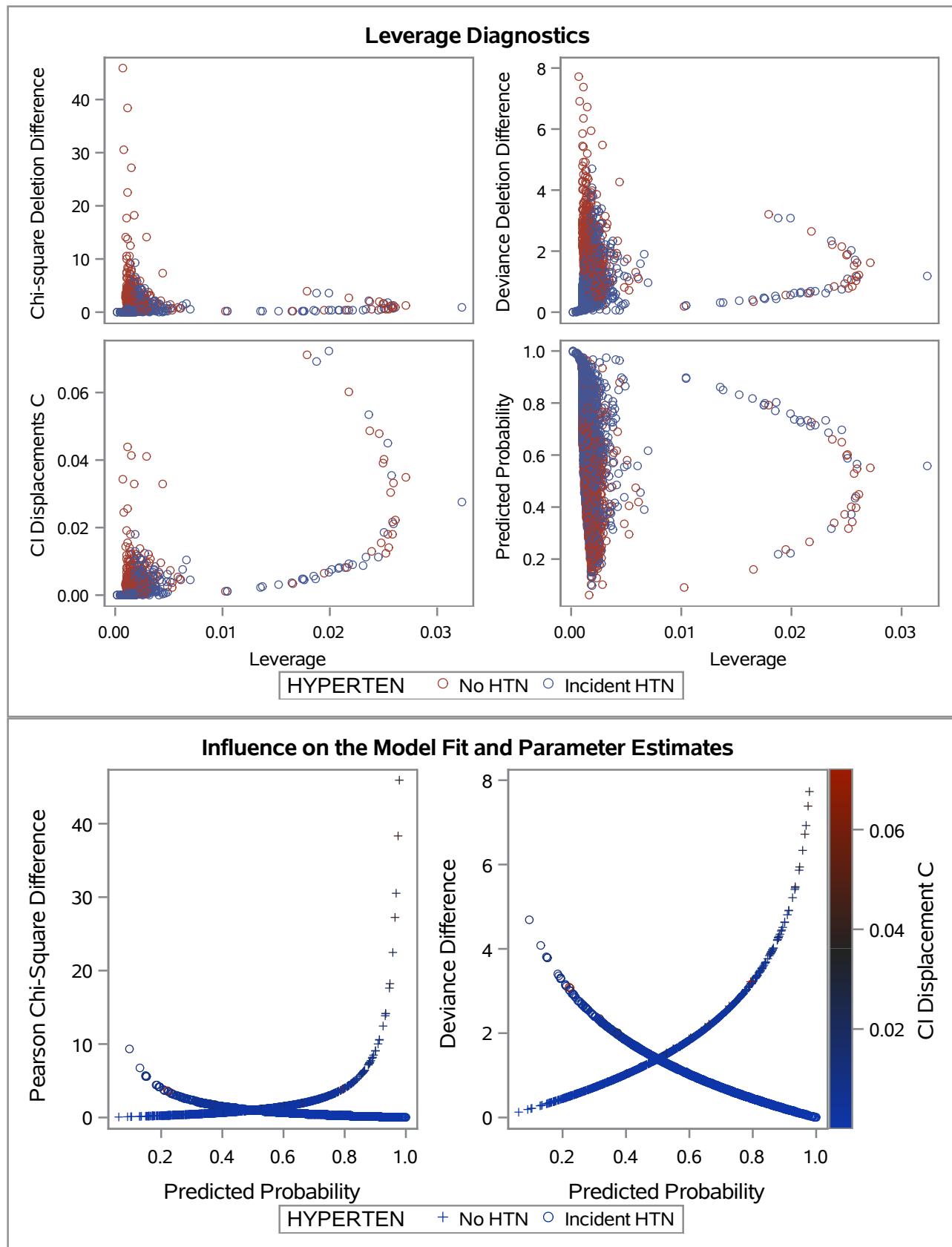
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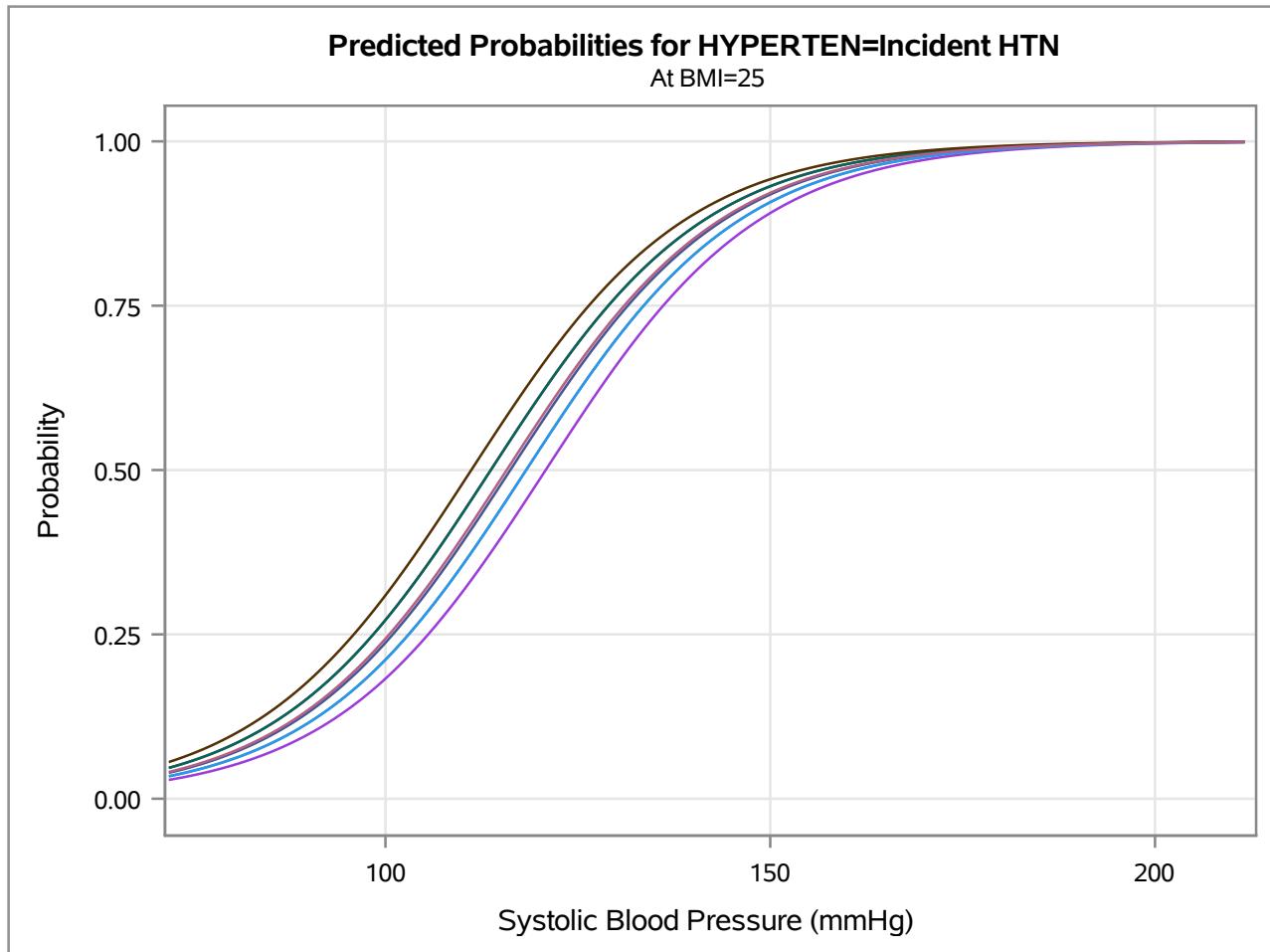
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