The LOGISTIC Procedure

Model Information			
Data Set	WORK.DIAB_DATA		
Response Variable	Diabetes_01		
Number of Response Levels	2		
Model	binary logit		
Optimization Technique	Fisher's scoring		

Number of Observations Read	253680
Number of Observations Used	253680

	Response Prof	ile
Ordered Value	Diabetes_01	Total Frequency
1	0	213703
2	1	39977

Probability modeled is Diabetes_01=1.

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

Model Fit Statistics				
Criterion	Intercept Only	Intercept and Covariates		
AIC	221032.88	175542.54		
sc	221043.32	175772.31		
-2 Log L	221030.88	175498.54		

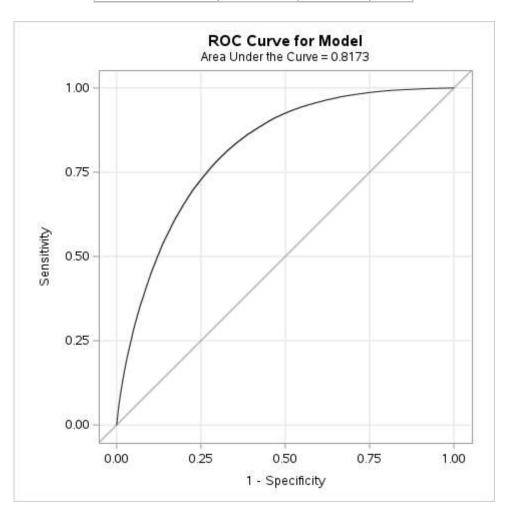
Testing Globa	al Null Hypoth	esis: l	BETA=0
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	45532.3363	21	<.0001
Score	43456.9114	21	<.0001
Wald	32383.9534	21	<.0001

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-7.4834	0.0864	7496.3862	<.0001
HighBP	1	0.7122	0.0139	2636,1088	<.0001
HighChol	1	0.5944	0.0129	2119,9658	<.0001
CholCheck	1	1.1888	0.0618	370.5261	<.0001
Smoker	1	-0.0138	0.0126	1.1928	0.2748
Stroke	1	0.1079	0.0246	19.2877	<.0001
HeartDiseaseorAttack	1	0.1984	0.0174	130.6643	<.0001
PhysActivity	1	-0.0470	0.0139	11.5106	0.0007
Fruits	1	-0.0465	0.0131	12.6240	0.0004
Veggies	1	-0.0368	0.0153	5.8084	0.0159
HvyAlcoholConsump	1	-0.6728	0.0350	368.6966	<.0001
AnyHealthcare	1	0.0554	0.0315	3.0899	0.0788
NoDocbcCost	1	0.0752	0.0219	11.7507	0.0006
GenHlth	1	0.5138	0.00773	4417.2548	<.0001
MentHith	1	-0.00204	0.000819	6.1757	0.0130
ВМІ	1	0.0619	0.000879	4965.7996	<.0001
PhysHlth	1	-0.00706	0.000757	87.1008	<.0001
DiffWalk	1	0.1082	0.0164	43.5823	<.0001
Sex	1	0.2397	0.0128	349.0915	<.0001
Age	1	0.1267	0.00265	2284.1878	<.0001
Education	1	-0.0388	0.00667	33.8031	<.0001
Income	1	-0.0559	0.00341	268.5043	<.0001

Effect	Point Estimate	95% Wald Confidence Limits		
HighBP	2.038	2.038 1.984 2	2.095	
HighChol	1.812	1.767	1.858	
CholCheck	3.283	2.909	3.706	
Smoker	0.986	0.962	1.011	
Stroke	1.114	1.062	1.169	
HeartDiseaseorAttack	1.219	1.179	1.262	
PhysActivity	0.954	0.928	0.980	
Fruits	0.955	0.930	0.979	
Veggies	0.964	0.936	0.993	
HvyAlcoholConsump	0.510	0.476	0.547	
AnyHealthcare	1.057	0.994	1.124	
NoDocbcCost	1.078	1.033	1.125	
GenHlth	1.672	1.646	1.697	
MentHlth	0.998	0.996	1.000	
ВМІ	1.064	1.062	1.066	
PhysHlth	0.993	0.991	0.994	
DiffWalk	1.114	1.079	1.151	
Sex	1,271	1,239	1.303	

Odds Ratio Estimates				
Effect	Point Estimate	95% Wald Confidence Limits		
Age	1.135	1.129	1.141	
Education	0.962	0.949	0.975	
Income	0.946	0.939	0.952	

Association of Predicted Probabilities and Observed Responses				
Percent Concordant	81.7	Somers' D	0.635	
Percent Discordant	18.3	Gamma	0.635	
Percent Tied	0.0	Tau-a	0.169	
Pairs	8543204831	С	0.817	



The REG Procedure Model: MODEL1 Dependent Variable: BMI

Number of Observations Read	253680
Number of Observations Used	253680

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	1358273	67914	1772.11	<.0001
Error	253659	9721116	38.32356		
Corrected Total	253679	11079389			

Root MSE	6.19060	R-Square	0.1226
Dependent Mean	28.38236	Adj R-Sq	0.1225
Coeff Var	21.81144		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	28.36249	0.11979	236.78	<.0001
HighBP	1	2.40868	0.02825	85.28	<.0001
HighChol	1	0.64203	0.02691	23.86	<.0001
CholCheck	1	0.61576	0.06588	9.35	<.0001
Smoker	1	-0.41913	0.02584	-16.22	<.0001
Stroke	1	-1.06952	0.06474	-16.52	<.0001
HeartDiseaseorAttack	1	-0.47764	0.04554	-10.49	<.0001
PhysActivity	1	-1.10548	0.03073	-35.97	<.0001
Fruits	1	-0.51743	0.02690	-19.24	<.0001
Veggies	1	-0.03848	0.03314	-1.16	0.2456
HvyAlcoholConsump	1	-1.19968	0.05396	-22.23	<.0001
AnyHealthcare	1	0.05855	0.06010	0.97	0.3300
NoDocbcCost	1	0.10146	0.04735	2.14	0.0321
GenHlth	1	0.94518	0.01530	61.77	<.0001
MentHlth	1	-0.00237	0.00185	-1.29	0.1987
PhysHlth	1	-0.03348	0.00180	-18.65	<.0001
DiffWalk	1	2.23298	0.04045	55.20	<.0001
Sex	1	0.51185	0.02565	19.95	<.0001
Age	1	-0.32655	0.00463	-70.52	<.0001
Education	1	-0.18540	0.01436	-12.92	<.0001

Parameter Estimates						
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	
Income	1	0.05428	0.00728	7.46	<.0001	

The UNIVARIATE Procedure Variable: resid (Residual)

	Moments						
N	253680	Sum Weights	253680				
Mean	0	Sum Observations	0				
Std Deviation	6.19035859	Variance	38.3205394				
Skewness	2.13661393	Kurtosis	13.2617452				
Uncorrected SS	9721116.12	Corrected SS	9721116.12				
Coeff Variation		Std Error Mean	0.01229059				

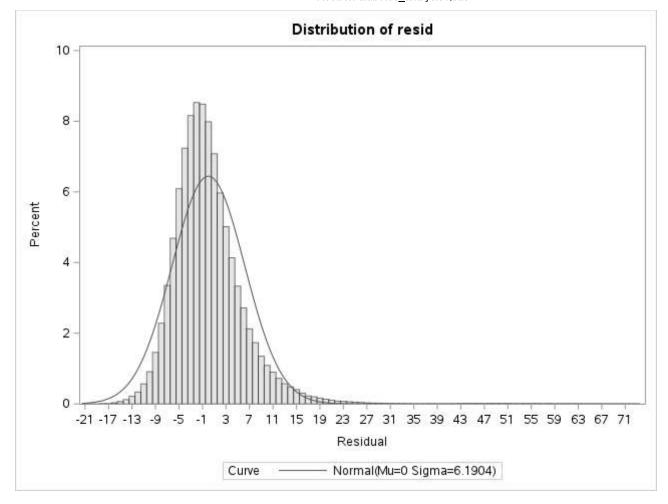
	Basic Statistical Measures				
Location Variability					
Mean	0.00000	Std Deviation	6.19036		
Median	-0.80854	Variance	38.32054		
Mode	-4.68314	Range	94.01116		
		Interquartile Range	6.56811		

Tests for Location: Mu0=0					
Test	Statistic p Value				
Student's t	t	0	Pr > t	1.0000	
Sign	М	-16812	Pr >= M	<.0001	
Signed Rank	s	-1.779E9	Pr >= S	<.0001	

Quantiles (Definition 5)				
Level	Quantile			
100% Max	73,178866			
99%	19.012438			
95%	10.406256			
90%	7.030627			
75% Q3	2.758568			
50% Median	-0.808543			
25% Q1	-3.809540			
10%	-6.344797			
5%	-7.892152			
1%	-11.101380			
0% Min	-20.832293			

Ex	Extreme Observations					
Low	Lowest		est			
Value	Obs	Value	Obs			
-20.8323	133673	69.8680	76533			
-20.1446	175972	70.0289	76371			
-20.1108	27409	70.0646	79351			
-20.0238	83600	71.7917	79508			
-20.0137	1659	73.1789	79555			

The UNIVARIATE Procedure



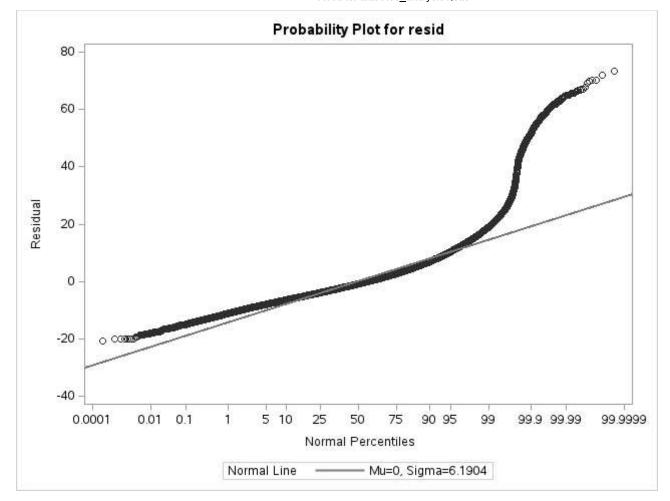
The UNIVARIATE Procedure Fitted Normal Distribution for resid (Residual)

Parameters for Normal Distribution					
Parameter	Symbol	Estimate			
Mean	Mu	0			
Std Dev	Sigma	6.190359			

Goodness-of-Fit Tests for Normal Distribution					
Test	Statistic p Value				
Kolmogorov-Smirnov	D	0.08127	Pr > D	<0.010	
Cramer-von Mises	W-Sq	640.56583	Pr > W-Sq	<0.005	
Anderson-Darling	A-Sq	3820,26457	Pr > A-Sq	<0.005	

Quantiles for Normal Distribution					
	Qua	ntile			
Percent	Observed	Estimated			
1.0	-11.10138	-14.4009			
5.0	-7.89215	-10.1822			
10.0	-6.34480	-7.9333			
25.0	-3.80954	-4.1753			
50.0	-0.80854	0.0000			
75.0	2.75857	4.1753			
90.0	7.03063	7.9333			
95.0	10.40626	10.1822			
99.0	19.01244	14.4009			

The UNIVARIATE Procedure



The LOGISTIC Procedure

Model Information				
Data Set	WORK.DIAB_DATA			
Response Variable	Diabetes_01			
Number of Response Levels	2			
Model	binary logit			
Optimization Technique	Fisher's scoring			

Number of Observations Read	253680
Number of Observations Used	253680

Response Profile							
Ordered Value	Total Frequency						
1	0	213703					
2	1	39977					

Probability modeled is Diabetes_01=1.

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

Model Fit Statistics								
Criterion	Intercept Only	Intercept and Covariates						
AIC	221032.88	172884.56						
SC	221043.32	175307.53						
-2 Log L	221030.88	172420.56						

Testing Global Null Hypothesis: BETA=0						
Test Chi-Square DF Pr > ChiSq						
Likelihood Ratio	48610.3185	231	<.0001			
Score	49582.4092	231	<.0001			
Wald	31019.1004	231	<.0001			

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-6.3151	0.6825	85.6138	<.0001
HighBP	1	1.3148	0.1942	45.8245	<.0001
HighChol	1	1.3676	0.1858	54.1728	<.0001
HighBP*HighChol	1	0.0521	0.0280	3.4597	0.0629
CholCheck	1	1.1392	0.5761	3.9110	0.0480
HighBP*CholCheck	1	-0.0454	0.1364	0.1106	0.7394
HighChol*CholCheck	1	-0.0522	0.1340	0.1519	0.6967
Smoker	1	-0.3616	0.1839	3.8685	0.0492
HighBP*Smoker	1	-0.0362	0.0285	1.6133	0.2040
HighChol*Smoker	1	0.0567	0.0266	4.5526	0.0329
CholCheck*Smoker	1	-0.0473	0.1343	0.1240	0.7247
Stroke	1	1.1141	0.3637	9.3834	0.0022
HighBP*Stroke	1	-0.0519	0.0624	0.6923	0.4054
HighChol*Stroke	1	-0.0358	0.0541	0.4390	0.5076
CholCheck*Stroke	1	-0.3076	0.2606	1.3934	0.2378
Smoker*Stroke	1	-0.0252	0.0509	0.2443	0.6211
HeartDiseaseorAttack	1	1.7793	0.2647	45.1903	<.0001

HighBPHenrDisesse0	Analysis of Maximum Likelihood Estimates						
HighBP-HeartDisease				Standard	Wald	_	
HighChol'HeartDiseas 1 0-2014 0.088 3.01990 0.00 CholChock-HeartDiseas 1 0-5591 0.0383 0.000 0.00 Siroke-HeartDisease 1 0-0001 0.0353 0.000 0.00 HighBP-PhysActivity 1 0-0213 0.1350 0.0034 0.00 HighBP-PhysActivity 1 0.00135 0.0304 0.00 0.00 Simoker-PhysActivity 1 0.0042 0.0320 0.000 0.02 Simoker-PhysActivity 1 0.0408 0.002 0.027 0.008 HeartDisease 1 0.0080 0.027 0.027 0.008 HighChol'PhysActivity 1 0.0080 0.027 0.0389 0.03 HighChol'PhysActivity 1 0.0080 0.027 0.0389 0.03 HighChol'PhysActivity 1 0.0080 0.029 0.03 0.03 Siroke*Truits 1 0.0282 0.029 0.02 0.02 HighChol'P						Pr > ChiSq	
ChoiCheck*HeartDisease	•					0.0048 <.0001	
Smoker/HeartDiseasee 1 -0.00019 0.0585 0.0000 0.959 StrokerHeartDiseasee 1 0.1680 0.0515 10.4067 0.00 HighBP-PhysActivity 1 0.00133 0.0351 0.00634 0.055 HighChorPhysActivity 1 0.00138 0.0282 0.0021 0.0088 Smoker/PhysActivity 1 0.0442 0.0280 0.22779 0.012 Smoker/PhysActivity 1 0.0089 0.0370 0.0378 0.0089 Fruits 1 0.0089 0.0370 0.0089 0.007 HighBP-Fruits 1 0.0089 0.027 0.0389 0.037 HighBP-Fruits 1 0.0089 0.0290 0.0389 0.037 Chalcheck-Fruits 1 0.0689 0.0290 0.14867 0.048 Smoker-Futis 1 0.0689 0.0290 0.14867 0.049 HardDisease-Fruits 1 0.0689 0.029 0.1487 0.029 HighBP-F	0					0.0028	
PhysActivity						0.9959	
HighPiPhysActivity	Stroke*HeartDiseaseo	1	0.1660	0.0515	10.4067	0.0013	
HighChell'PhysActivity	PhysActivity	1	-0.2139	0.1896	1.2728	0.2592	
Choicheck PhysActivity	HighBP*PhysActivity	1	0.00183	0.0315	0.0034	0.9538	
Smoker/Physactivity 1 0.0442 0.0280 2.4079 0.12 Stroker Physactivity 1 0.0869 0.0360 0.3576 0.088 Fruits 1 0.0836 0.0870 2.9719 0.087 HighBr-Fruits 1 0.0839 0.0265 0.0859 0.037 HighBr-Fruits 1 0.0839 0.0275 0.0859 0.043 CholCheck-Fruits 1 0.0839 0.0260 0.4867 0.043 Smoker-Fruits 1 0.0829 0.0360 1.4867 0.027 Smoker-Fruits 1 0.0862 0.0830 5.0339 0.02 Penderity-Fruits 1 0.0862 0.0381 5.0339 0.02 Veggies 1 0.0520 0.0343 0.032 0.0341 0.037 HighEP-Veggies 1 0.0362 0.0343 0.032 0.2880 0.038 Glock-Veggies 1 0.0243 0.0412 1.1276 0.038 Fruit	HighChol*PhysActivit	1	0.00135	0.0292	0.0021	0.9631	
Stroke*Physactivity	CholCheck*PhysActivi	1	0.0128	0.1359	0.0088	0.9252	
HeartDisePhysActivi						0.1207	
Fruits	, ,					0.0804	
HighBrFruits 1 0.0635 0.0295 4.8376 0.035 HighChoFruits 1 0.00809 0.0276 0.0889 0.76 CholCheck-Fruits 1 0.00827 0.0180 5.6273 0.041 Simoker-Fruits 1 0.0628 0.0520 1.4567 0.022 HeartDiseaseo-Fruits 1 0.0620 0.0366 1.8300 0.072 Veggles 1 0.0620 0.0367 3.1075 0.072 HighChol*Veggles 1 0.0620 0.0347 3.1324 0.077 HighChol*Veggles 1 0.0620 0.0342 0.2536 0.610 Smoker*Veggles 1 0.0683 0.0699 1.4480 0.224 HeartDisease*Veggles 1 0.0443 0.0417 1.4126 0.028 Fruits*Veggles 1 0.0439 0.0611 0.4503 0.05 HyyAcdivity*Veggles 1 0.0341 0.070 0.5231 0.62 HyyBacholCond						0.0847	
HighChol*Fruits 1 0.00009 0.0276 0.0859 0.766 CholCheck*Fruits 1 0.0927 0.1387 0.4667 0.498 Smoker*Fruits 1 0.0928 0.0520 1.4567 0.022 HeartDiseaseo*Fruits 1 0.0964 0.0288 5.0338 0.02 Veggles 1 0.0864 0.0288 5.0338 0.02 HighBrYeogles 1 0.0820 0.0347 3.1924 0.07 HighBrYeogles 1 0.0823 0.0439 2.9800 0.08 SmokerYeogles 1 0.0883 0.0569 1.4489 0.02 SmokerYeogles 1 0.0384 0.0315 0.0394 0.1272 Fruits*Veggles 1 0.0384 0.0321 1.4727 0.00 HyphAlcoholConsump 1 0.0334 0.0322 1.0172 0.02 HyphAlcoholConsump 1 0.0244 0.0461 0.422 0.03 HighChol*HyyAlcoholCon 1 <th></th> <th></th> <th></th> <th></th> <th></th> <th>0.0703</th>						0.0703	
Smoker'Fruits 1 0.0693 0.0269 5.6273 0.02 Stroke Fruits 1 0.0622 0.0500 1.4567 0.22 HeartDiseaseo'Fruits 1 0.0664 0.0288 5.0338 0.02 Veggies 1 0.06467 0.0288 5.0338 0.02 Veggies 1 0.0620 0.0347 3.1924 0.07 High Provegies 1 0.0620 0.0347 3.1924 0.07 CholCheck'vegies 1 0.0824 0.0315 0.0684 0.79 Stroke'Veggies 1 0.0484 0.0315 0.0684 0.79 HeartDisease'Veggies 1 0.0484 0.0417 1.1426 0.22 Fruits'Veggies 1 0.0344 0.0411 0.4503 0.00 HyyActivity'Begies 1 0.0349 0.6411 0.4503 0.00 HyyActivity'Begies 1 0.0349 0.6411 0.4503 0.00 HyyActivAlcoholCon 1						0.7694	
Stroke*Fruits	CholCheck*Fruits	1	0.0927	0.1357	0.4667	0.4945	
	Smoker*Fruits	1	0.0639	0.0269	5.6273	0.0177	
PhysActivity'Fruits 11 0.0846 0.0288 5.0338 0.00 Veggies 1 0.03677 0.2086 3.1075 0.07 HighBPVeggies 1 0.04620 0.0347 3.1924 0.07 CholCheck*Veggies 1 0.0885 0.1489 2.9800 0.088 Smoker*Veggies 1 0.0885 0.0469 1.4489 0.228 PhysActivity*Veggies 1 0.0483 0.0392 1.0727 0.238 PhysActivity*Veggies 1 0.0334 0.0411 0.1450 0.028 HyyActivity*Veggies 1 0.0394 0.4611 0.4503 0.50 HyyActivity*Veggies 1 0.0394 0.4611 0.4503 0.50 HyyActivity*Veggies 1 0.0231 0.0411 0.4503 0.05 HighBP*MyAlcoholCon 1 0.0291 0.0410 0.022 0.050 HighBP*MyAlcoholCon 1 0.0281 0.030 0.220 0.020 SrokerHyyAl	Stroke*Fruits	1	0.0628	0.0520	1.4567	0.2275	
Veggies 11 -0.0877 0.2086 3.1075 0.07 HighBrVeggies 11 -0.0820 0.0347 3.1924 0.07 HighChol'Veggies 11 -0.0620 0.0348 2.9800 0.08 Smoker'Veggies 11 0.00824 0.0351 0.0684 0.78 Stroke'Veggies 11 0.00824 0.0322 1.0727 0.28 PhysActivity'Veggies 11 0-0133 0.0322 1.0727 0.28 HypAlcoholConsump 11 0-0334 0.0421 0.4503 0.50 HighChol'HyyAlcoholCon 11 0-0,124 0.0822 2.0361 0.108 HighChol'HyyAlcoholCon 11 0-0,241 0.0806 3.2033 0.075 Stroke'HyyAlcoholCon 11 0-1086 0.1049 1.0725 0.03 PhysActiv'HyyAlcoholCon 11 0.0386 0.0922 0.1580 0.28 PhysActiv'HyyAlcoholCon 11 0.0386 0.0922 0.1580 0.28	HeartDiseaseo*Fruits	1	0.0502	0.0366	1.8800	0.1703	
HighBPVeggies 1 -0.0620 0.0347 3.1924 0.078 HighCholvVeggies 1 -0.0162 0.0322 0.2524 0.618 CholCheck'Veggies 1 -0.0263 0.0469 2.9800 0.088 StrokerVeggies 1 0.00845 0.0569 1.4480 0.228 HeartDisease'Veggies 1 0.00343 0.0322 1.0727 0.30 Fruits'Veggies 1 0.0334 0.0322 1.0727 0.30 HighBP'HyAlcoholConsump 1 0.0384 0.0822 2.3061 0.122 HighBP'HyAlcoholCon 1 0.0244 0.0760 0.1088 0.230 0.05 HighChol'HyAlcoholCon 1 0.0281 0.0882 2.2301 0.02 Stroker'HyAlcoholCon 1 0.0280 0.1049 1.0725 0.06 HighChol'Anylachloc 1 0.0186 0.0292 0.150 0.089 Fruits'HyAlcoholCo 1 0.0386 0.0292 0.059 0.039 </th <th>PhysActivity*Fruits</th> <th>1</th> <th>-0.0646</th> <th>0.0288</th> <th>5.0338</th> <th>0.0249</th>	PhysActivity*Fruits	1	-0.0646	0.0288	5.0338	0.0249	
HighChol*Veggies			-0.3677	0.2086		0.0779	
CholCheck'Veggles 1 0.2633 0.1469 2.9800 0.088 Smoker'Veggles 1 0.00824 0.0315 0.0684 0.783 Stroker'Veggles 1 0.00855 0.0569 1.4489 0.221 HeartDisease'Veggles 1 0.00834 0.0347 1.1276 0.283 Fruits'Veggles 1 0.03394 0.0322 1.0730 0.050 HyyAlcoholConsump 1 0-03394 0.0461 0.4503 0.050 HighBP'thyAlcoholCon 1 0-1248 0.0822 2.3061 0.121 HighBP-thyAlcoholCon 1 0-2148 0.0822 2.3061 0.122 Smoker'HyAlcoholCon 1 0-2290 0.1646 2.2307 0.12 HeartDise'HyAlcoholCon 1 0-0.280 0.1646 2.2307 0.12 Fruits'HyAlcoholCon 1 0.0366 0.0922 0.1580 0.09 Fruits'HyAlcoholCon 1 0.0366 0.0922 0.1580 0.08						0.0740	
Smoker/Veggies 11 0,00824 0,0315 0,0684 0,793 StrokevVeggies 11 -0,0685 0,0589 1,4489 0,228 HearDisease*Veggies 11 0,0443 0,0417 1,1276 0,288 Fruits*Veggies 11 0,0334 0,0322 1,0727 0,308 HypActoholConsump 11 0-0,394 0,4611 0,4503 0,500 HighChol*HypAlcoholCon 11 0-0,1248 0,0822 2,3061 0,122 HighChol*HypAlcoholCon 11 0,0241 0,0760 0,1008 0,751 CholCheck*HypAlcoholCon 11 0,0241 0,0780 3,2033 0,075 Stroke*HypAlcoholCon 11 0,1086 0,1048 2,7802 0,099 Hypactiv*HypAlcoholCon 11 0,0380 0,0302 0,1089 Fruits*HypAlcoholCon 11 0,0384 0,0322 0,1089 HighChol*AnyHealthcare 11 0,0384 0,0322 0,1089 HighBPAnyHealthcare <						0.6154	
Stroke						0.0843	
HeartDisease'Veggies						0.7937	
PhysActivity¹Veggies 1 0.0334 0.0322 1.0727 0.30 Fruits²Veggies 1 0.0335 0.0309 18.6385 <.00						0.2287	
Fruits*Veggies						0.3003	
HyyAlcoholConsump						<.0001	
HighChol*HvyAlcoholC		1	-0.3094	0.4611	0.4503	0.5022	
CholCheck*HvyAlcohol 1 0.2312 0.3197 0.5231 0.468 Smoker*HvyAlcoholCon 1 0.1442 0.0806 3.2033 0.073 Stroke*HvyAlcoholCon 1 0.12507 0.1646 2.3207 0.122 PhysActiv*HvyAlcohol 1 0.1086 0.1049 1.0725 0.30 PhysActiv*HvyAlcoholCo 1 0.0338 0.0730 0.2150 0.64 Veggles*HvyAlcoholCo 1 0.0364 0.0322 0.1580 0.69 AnyHealthcare 1 0.0006 0.0929 0.0000 0.989 HighBP*AnyHealthcare 1 0.0066 0.0669 0.3683 0.54 CholCheck*AnyHealthcare 1 0.0406 0.0669 0.3683 0.54 Bighch*AnyHealthcare 1 0.04662 0.0655 1.0227 0.31 Stroke*AnyHealthcare 1 0.0864 0.0948 0.0721 0.78 PhysActiv*AnyHealthcare 1 0.0814 0.0675 1.5252 0.21 <th>HighBP*HvyAlcoholCon</th> <th>1</th> <th>-0.1248</th> <th>0.0822</th> <th></th> <th>0.1289</th>	HighBP*HvyAlcoholCon	1	-0.1248	0.0822		0.1289	
Smoker'HvyAlcoholCon 1 0.1442 0.0806 3.2033 0.07 Stroke'HvyAlcohol 1 0.2507 0.1646 2.3207 0.12 HeartDise'HvyAlcohol 1 0.1086 0.1049 1.0725 0.30 PhysActiv'HvyAlcoholCon 1 0.0338 0.0730 0.2150 0.94 Veggles'HvyAlcoholCon 1 0.0386 0.0922 0.1580 0.089 AnyHealthcare 1 0.0006 0.0969 0.0000 0.099 HighBP'AnyHealthcare 1 0.0006 0.0669 0.3683 0.54 CholCheck'AnyHealthcar 1 0.0406 0.0669 0.3683 0.54 Smoker'AnyHealthcare 1 0.0462 0.0655 1.0227 0.31 Stroke'AnyHealthcare 1 0.0862 0.0655 1.0227 0.31 PhysActiv'AnyHealthcar 1 0.0864 0.0751 1.5252 0.21 Fruits'AnyHealthcar 1 0.0844 0.0762 1.5252 0.21 <	HighChol*HvyAlcoholC	1	0.0241	0.0760	0.1008	0.7509	
Stroke*HvyAlcoholCon	CholCheck*HvyAlcohol	1	0.2312	0.3197	0.5231	0.4695	
HeartDise*HvyAlcohol	Smoker*HvyAlcoholCon	1	0.1442	0.0806	3.2033	0.0735	
PhysActiv*HvyAlcohol	,					0.1277	
Fruits*HvyAlcoholCon 1 0.0338 0.0730 0.2150 0.64t Veggies*HvyAlcoholCo 1 0.0366 0.0922 0.1580 0.69 AnyHealthcare 1 0.8064 0.3242 6.1858 0.01 HighBP*AnyHealthcare 1 -0.0006 0.0699 0.0000 0.998 HighChol*AnyHealthcare 1 -0.0406 0.0669 0.3683 0.54 CholCheck*AnyHealthcare 1 -0.0662 0.0655 1.0227 0.31 Stroke*AnyHealthcare 1 -0.1907 0.1303 2.1416 0.14 HeartDise*AnyHealthcar 1 0.0816 0.0695 1.5252 0.21 PhysActiv*AnyHealthcar 1 0.0816 0.0699 1.4899 0.22 Veggies*AnyHealthcar 1 0.0816 0.0699 1.4899 0.22 Veggies*AnyHealthcar 1 0.0824 0.0742 0.7071 0.404 Hyalcoho*AnyHealthcar 1 0.0825 0.1538 2.2068 0.13	-					0.3004	
Veggles*HvyAlcoholCo 1 0.0366 0.0922 0.1580 0.69 AnyHealthcare 1 0.8064 0.3242 6.1858 0.01 HighBP*AnyHealthcare 1 -0.0006 0.0699 0.0000 0.99 HighChol*AnyHealthcare 1 -0.0406 0.0669 0.3683 0.54 CholCheck*AnyHealthcare 1 -0.0662 0.0655 1.0227 0.31 Stroke*AnyHealthcare 1 -0.1907 0.1303 2.1416 0.14* HeartDise*AnyHealthcare 1 0.0254 0.0948 0.0721 0.78 PhysActiv*AnyHealthcar 1 0.0816 0.0669 1.4899 0.22 Veggles*AnyHealthcar 1 -0.0624 0.0742 0.7071 0.40 HvyAlcoho*AnyHealthc 1 -0.0224 0.0742 0.7071 0.40 HvyAlcoho*AnyHealthc 1 -0.0330 0.0492 0.4492 0.50 HighBP*NoDocbcCost 1 0.0330 0.0492 0.4492 0.50 <						0.0954	
AnyHealthcare 1 0.8064 0.3242 6.1858 0.01 HighBP*AnyHealthcare 1 -0.00006 0.0699 0.0000 0.999 HighChol*AnyHealthcare 1 -0.0406 0.0669 0.3683 0.54 CholCheck*AnyHealthcare 1 -0.0662 0.0655 1.0227 0.31 Stroke*AnyHealthcare 1 -0.1907 0.1303 2.1416 0.14 HeartDise*AnyHealthcar 1 0.0254 0.0948 0.0721 0.78 PhysActiv*AnyHealthcar 1 0.0834 0.0675 1.5252 0.21 Fruits*AnyHealthcar 1 0.0816 0.0669 1.4899 0.22 Veggies*AnyHealthcar 1 -0.0624 0.0742 0.7071 0.40 HvyAlcoho*AnyHealthc 1 -0.02285 0.1538 2.2068 0.13 NoDocbcCost 1 0.04043 0.2518 2.5768 0.10 HighBP*NoDocbcCost 1 0.0330 0.0492 0.4492 0.50	•						
HighBP*AnyHealthcare 1 -0.00006 0.0699 0.0000 0.999 HighChol*AnyHealthca 1 1 -0.0406 0.0669 0.3683 0.544 CholCheck*AnyHealthcare 1 1 -0.0662 0.0655 1.0227 0.31 Stroke*AnyHealthcare 1 1 -0.1907 0.1303 2.1416 0.144 HeartDise*AnyHealthcare 1 1 0.0254 0.0645 0.0721 0.781 PhysActiv*AnyHealthcare 1 1 0.0834 0.0675 1.5252 0.211 Fruits*AnyHealthcare 1 1 0.0816 0.0669 1.4899 0.222 Veggies*AnyHealthcar 1 1 -0.0624 0.0742 0.7071 0.400 HvyAlcoho*AnyHealthcar 1 1 -0.0624 0.0742 0.7071 0.400 HvyAlcoho*AnyHealthcar 1 1 -0.2285 0.1538 2.2068 0.133 NoDocbcCost 1 0.4043 0.2518 2.5768 0.103 HighBP*NoDocbcCost 1 0.00300 0.0492 0.4492 0.503 HighChol*NoDocbcCost 1 0.00860 0.0467 0.0200 0.888 CholCheck*NoDocbcCost 1 0.01108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 0.1108 0.0450 6.0689 0.015 Stroke*NoDocbcCost 1 0.01451 0.0781 3.4548 0.063 HeartDise*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 HvyAlcoho*NoDocbcCost 1 0.01041 0.0515 4.0828 0.044 HvyAlcoho*NoDocbcCost 1 0.01041 0.0515 4.0828 0.044 HvyAlcoho*NoDocbcCost 1 0.01041 0.0515 4.0828 0.044 HighBP*GenHith 1 0.07770 0.1048 54,9211 <0.004 HighSPGenHith 1 0.00762 0.0162 0.2212 0.633 CholCheck*GenHith 1 0.00762 0.0162 0.2212 0.633 CholCheck*GenHith 1 0.00762 0.0165 0.6349 0.422 Veggies*GenHith 1 0.0085 0.0305 7.8406 0.006 Fruits*GenHith 1 0.0085 0.0305 7.8406 0.006 Fruits*GenHith 1 0.00867 0.0191 5.9856 0.014 Fruits*GenHith 1 0.0067 0.0191 5.9856 0.014 Fruits*GenHith 1 0.0074 0.0273 3.0119 0.088 NoDocbcCost*GenHith 1 0.0079 0.00187 1.9485 0.068	,					0.0910	
HighChol*AnyHealthca	-					0.9993	
Smoker*AnyHealthcare 1 -0.0662 0.0655 1.0227 0.31 Stroke*AnyHealthcare 1 -0.1907 0.1303 2.1416 0.143 HeartDise*AnyHealthc 1 0.0254 0.0948 0.0721 0.78 PhysActiv*AnyHealthc 1 0.0834 0.0675 1.5252 0.21 Fruits*AnyHealthcare 1 0.0816 0.0669 1.4899 0.222 Veggies*AnyHealthcar 1 -0.0624 0.0742 0.7071 0.40 HiyAlcoho*AnyHealthcar 1 -0.02285 0.1538 2.2068 0.13 NoDocbcCost 1 0.02403 0.2518 2.5768 0.10 HighBP*NoDocbcCost 1 0.0330 0.0492 0.4492 0.50 HighChol*NoDocbcCost 1 0.0330 0.0492 0.4492 0.50 CholCheck*NoDocbcCost 1 0.0108 0.0450 6.0689 0.01 Stroke*NoDocbcCost 1 0.01451 0.0781 3.4548 0.06 <						0.5440	
Stroke*AnyHealthcare	CholCheck*AnyHealthc	1	0.2350		1.9338	0.1643	
HeartDise*AnyHealthc	Smoker*AnyHealthcare	1	-0.0662	0.0655	1.0227	0.3119	
PhysActiv*AnyHealthc 1 0.0834 0.0675 1.5252 0.21t Fruits*AnyHealthcare 1 0.0816 0.0669 1.4899 0.22t Veggies*AnyHealthcar 1 -0.0624 0.0742 0.7071 0.40t HvyAlcoho*AnyHealthc 1 -0.2285 0.1538 2.2068 0.13 NoDocbcCost 1 0.4043 0.2518 2.5768 0.100 HighBP*NoDocbcCost 1 -0.0330 0.0492 0.4492 0.500 HighChol*NoDocbcCost 1 0.00660 0.0467 0.0200 0.88 CholCheck*NoDocbcCost 1 -0.2346 0.1603 2.1423 0.143 Smoker*NoDocbcCost 1 -0.1108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.756	Stroke*AnyHealthcare	1	-0.1907	0.1303	2.1416	0.1433	
Fruits*AnyHealthcare 1 0.0816 0.0669 1.4899 0.223 Veggies*AnyHealthcar 1 -0.0624 0.0742 0.7071 0.406 HvyAlcoho*AnyHealthc 1 -0.2285 0.1538 2.2068 0.13 NoDocbcCost 1 0.4043 0.2518 2.5768 0.106 HighBP*NoDocbcCost 1 -0.0330 0.0492 0.4492 0.50 HighChol*NoDocbcCost 1 0.0330 0.0492 0.4492 0.50 CholCheck*NoDocbcCost 1 0.2346 0.1603 2.1423 0.143 Smoker*NoDocbcCost 1 -0.1108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 -0.11087 0.0591 3.3802 0.061 PhysActiv*NoDocbcCost 1 0.0199 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.751 Veggies*NoDocbcCost 1 0.1266 0.1206 1.1018 0.293 <	HeartDise*AnyHealthc	1	0.0254	0.0948	0.0721	0.7883	
Veggies*AnyHealthcar 1 -0.0624 0.0742 0.7071 0.400 HvyAlcoho*AnyHealthc 1 -0.2285 0.1538 2.2068 0.13 NoDocbcCost 1 0.4043 0.2518 2.5768 0.100 HighBP*NoDocbcCost 1 -0.0330 0.0492 0.4492 0.500 HighChol*NoDocbcCost 1 0.00660 0.0467 0.0200 0.88 CholCheck*NoDocbcCost 1 -0.2346 0.1603 2.1423 0.143 Smoker*NoDocbcCost 1 -0.1108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 -0.1451 0.0781 3.4548 0.063 HeartDise*NoDocbcCost 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.683 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.751 Veggies*NoDocbcCost 1 0.1266 0.1206 1.1018 0.293	PhysActiv*AnyHealthc	1		0.0675	1.5252	0.2168	
HvyAlcoho*AnyHealthc	,					0.2222	
NoDocbcCost 1 0.4043 0.2518 2.5768 0.100 HighBP*NoDocbcCost 1 -0.0330 0.0492 0.4492 0.500 HighChol*NoDocbcCost 1 0.00660 0.0467 0.0200 0.88 CholCheck*NoDocbcCost 1 -0.2346 0.1603 2.1423 0.143 Smoker*NoDocbcCost 1 -0.1108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 -0.1187 0.0781 3.4548 0.066 HeartDise*NoDocbcCost 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.756 Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.044 HvyAlcoho*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.044 HvyAlcoho*NoDocbcCost 1 -0.0717 0.0717 0.9991 0.31* <th></th> <th></th> <th></th> <th></th> <th></th> <th>0.4004</th>						0.4004	
HighBP*NoDocbcCost 1 -0.0330 0.0492 0.4492 0.503 HighChol*NoDocbcCost 1 0.00660 0.0467 0.0200 0.883 CholCheck*NoDocbcCost 1 -0.2346 0.1603 2.1423 0.143 Smoker*NoDocbcCost 1 -0.1108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 -0.1451 0.0781 3.4548 0.063 HeartDise*NoDocbcCost 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.683 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.751 Veggies*NoDocbcCost 1 0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCost 1 0.1266 0.1206 1.1018 0.293 AnyHealth*NoDocbcCost 1 0.0717 0.0717 0.9991 0.31* GenHIth 1 0.07770 0.1048 54.9211 <.006							
HighChol*NoDocbcCost 1 0.00660 0.0467 0.0200 0.88 CholCheck*NoDocbcCost 1 -0.2346 0.1603 2.1423 0.143 Smoker*NoDocbcCost 1 -0.1108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 -0.1451 0.0781 3.4548 0.063 HeartDise*NoDocbcCost 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.756 Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCost 1 -0.0717 0.0717 0.9991 0.31* GenHlth 1 0.7770 0.1048 54.9211 <.00						0.5027	
Smoker*NoDocbcCost 1 -0.1108 0.0450 6.0689 0.013 Stroke*NoDocbcCost 1 -0.1451 0.0781 3.4548 0.063 HeartDise*NoDocbcCos 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.683 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.756 Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 AnyHealth*NoDocbcCost 1 -0.0717 0.0717 0.9991 0.31* GenHIth 1 0.7770 0.1048 54.9211 <.004						0.8877	
Stroke*NoDocbcCost 1 -0.1451 0.0781 3.4548 0.063 HeartDise*NoDocbcCos 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.751 Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCost 1 -0.1266 0.1206 1.1018 0.293 AnyHealth*NoDocbcCost 1 -0.0717 0.0717 0.9991 0.31* GenHlth 1 0.7770 0.1048 54.9211 <0.00	-					0.1433	
HeartDise*NoDocbcCos 1 -0.1087 0.0591 3.3802 0.066 PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.68 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.756 Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCos 1 -0.1266 0.1206 1.1018 0.293 AnyHealth*NoDocbcCos 1 -0.0717 0.0717 0.9991 0.31 GenHlth 1 0.7770 0.1048 54.9211 <.006	Smoker*NoDocbcCost	1	-0.1108	0.0450	6.0689	0.0138	
PhysActiv*NoDocbcCost 1 0.0190 0.0469 0.1640 0.688 Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.756 Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCos 1 -0.1266 0.1206 1.1018 0.293 AnyHealth*NoDocbcCos 1 -0.0717 0.0717 0.9991 0.31 GenHith 1 0.7770 0.1048 54.9211 <.000	Stroke*NoDocbcCost	1	-0.1451	0.0781	3.4548	0.0631	
Fruits*NoDocbcCost 1 0.0142 0.0458 0.0964 0.756 Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCos 1 0.1266 0.1206 1.1018 0.293 AnyHealth*NoDocbcCos 1 -0.0717 0.0717 0.9991 0.31 GenHIth 1 0.7770 0.1048 54.9211 <.006		_				0.0660	
Veggies*NoDocbcCost 1 -0.1041 0.0515 4.0828 0.043 HvyAlcoho*NoDocbcCos 1 0.1266 0.1206 1.1018 0.293 AnyHealth*NoDocbcCos 1 -0.0717 0.0717 0.9991 0.31 GenHIth 1 0.7770 0.1048 54.9211 <.006						0.6855	
HvyAlcoho*NoDocbcCos 1 0.1266 0.1206 1.1018 0.293 AnyHealth*NoDocbcCos 1 -0.0717 0.0717 0.9991 0.313 GenHIth 1 0.7770 0.1048 54.9211 <.006						0.7561	
AnyHealth*NoDocbcCos 1 -0.0717 0.0717 0.9991 0.31 GenHIth 1 0.7770 0.1048 54.9211 <.006						0.0433	
GenHlth 1 0.7770 0.1048 54.9211 <.000	-					0.2939 0.3175	
HighBP*GenHith 1 -0.0664 0.0172 14.8302 0.006 HighChol*GenHith 1 -0.0662 0.0162 0.2212 0.638 CholCheck*GenHith 1 -0.1119 0.0799 1.9599 0.16 Smoker*GenHith 1 -0.0604 0.0159 14.3967 0.006 Stroke*GenHith 1 -0.0855 0.0305 7.8406 0.006 HeartDisease*GenHith 1 -0.1007 0.0213 22.2875 <.006	-					<.0001	
HighChol*GenHith 1 0.00762 0.0162 0.2212 0.638 CholCheck*GenHith 1 -0.1119 0.0799 1.9599 0.16 Smoker*GenHith 1 -0.0604 0.0159 14.3967 0.006 Stroke*GenHith 1 -0.0855 0.0305 7.8406 0.008 HeartDisease*GenHith 1 -0.1007 0.0213 22.2875 <.006						0.0001	
Smoker*GenHith 1 -0.0604 0.0159 14.3967 0.000 Stroke*GenHith 1 -0.0855 0.0305 7.8406 0.000 HeartDisease*GenHith 1 -0.1007 0.0213 22.2875 <.000	-					0.6381	
Stroke*GenHlth 1 -0.0855 0.0305 7.8406 0.003 HeartDisease*GenHlth 1 -0.1007 0.0213 22.2875 <.000 PhysActivity*GenHlth 1 0.0594 0.0172 11.8862 0.000 Fruits*GenHlth 1 -0.0132 0.0165 0.6349 0.429 Veggies*GenHlth 1 0.0467 0.0191 5.9856 0.014 HvyAlcoholCo*GenHlth 1 -0.0675 0.0442 2.3352 0.129 AnyHealthcar*GenHlth 1 -0.0138 0.0390 0.1258 0.725 NoDocbcCost*GenHlth 1 -0.0474 0.0273 3.0119 0.085 MentHlth 1 -0.0194 0.0104 3.4600 0.065 HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.165	CholCheck*GenHlth	1	-0.1119	0.0799	1.9599	0.1615	
HeartDisease*GenHlth 1 -0.1007 0.0213 22.2875 <.000	Smoker*GenHlth	1	-0.0604	0.0159	14.3967	0.0001	
PhysActivity*GenHlth 1 0.0594 0.0172 11.8862 0.000 Fruits*GenHlth 1 -0.0132 0.0165 0.6349 0.428 Veggies*GenHlth 1 0.0467 0.0191 5.9856 0.014 HvyAlcoholCo*GenHlth 1 -0.0675 0.0442 2.3352 0.128 AnyHealthcar*GenHlth 1 -0.0138 0.0390 0.1258 0.723 NoDocbcCost*GenHlth 1 -0.0474 0.0273 3.0119 0.083 MentHlth 1 -0.0194 0.0104 3.4600 0.063 HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.163		1	-0.0855	0.0305	7.8406	0.0051	
Fruits*GenHlth 1 -0.0132 0.0165 0.6349 0.429 Veggies*GenHlth 1 0.0467 0.0191 5.9856 0.014 HvyAlcoholCo*GenHlth 1 -0.0675 0.0442 2.3352 0.129 AnyHealthcar*GenHlth 1 -0.0138 0.0390 0.1258 0.723 NoDocbcCost*GenHlth 1 -0.0474 0.0273 3.0119 0.083 MentHlth 1 -0.0194 0.0104 3.4600 0.063 HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.163						<.0001	
Veggies*GenHlth 1 0.0467 0.0191 5.9856 0.014 HvyAlcoholCo*GenHlth 1 -0.0675 0.0442 2.3352 0.12 AnyHealthcar*GenHlth 1 -0.0138 0.0390 0.1258 0.72 NoDocbcCost*GenHlth 1 -0.0474 0.0273 3.0119 0.08 MentHlth 1 -0.0194 0.0104 3.4600 0.06 HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.16	-					0.0006	
HvyAlcoholCo*GenHlth 1 -0.0675 0.0442 2.3352 0.126 AnyHealthcar*GenHlth 1 -0.0138 0.0390 0.1258 0.723 NoDocbcCost*GenHlth 1 -0.0474 0.0273 3.0119 0.083 MentHlth 1 -0.0194 0.0104 3.4600 0.063 HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.163						0.4256	
AnyHealthcar*GenHith 1 -0.0138 0.0390 0.1258 0.725 NoDocbcCost*GenHith 1 -0.0474 0.0273 3.0119 0.085 MentHith 1 -0.0194 0.0104 3.4600 0.065 HighBP*MentHith 1 -0.00262 0.00187 1.9485 0.165						0.0144	
NoDocbcCost*GenHlth 1 -0.0474 0.0273 3.0119 0.083 MentHlth 1 -0.0194 0.0104 3.4600 0.063 HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.163	•					0.1265	
MentHlth 1 -0.0194 0.0104 3.4600 0.063 HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.163	-					0.7228	
HighBP*MentHlth 1 -0.00262 0.00187 1.9485 0.162						0.0629	
						0.1627	
HighChol*MentHlth 1 0.00275 0.00177 2.4036 0.12	HighChol*MentHlth	1	0.00275	0.00177	2.4036	0.1211	

Results: diabetes_analysis1.sas							
Analysis of Maximum Likelihood Estimates							
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq		
CholCheck*MentHlth	1	-0.00846	0.00707	1,4306	0.2317		
Smoker*MentHlth	1	0.00269	0.00171	2.4879	0.1147		
Stroke*MentHIth	1	0.00174	0.00275	0.4003	0.5269		
HeartDiseas*MentHlth	1	0.00140	0.00212	0.4396	0.5073		
PhysActivit*MentHlth	1	0.00124	0.00173	0.5172	0.4720		
Fruits*MentHlth	1	0.00304	0.00173	3.1017	0.0782		
Veggies*MentHlth	1	0.00543	0.00194	7.8432	0.0051		
HvyAlcoholC*MentHith	1	0.00498	0.00431	1.3368	0.2476		
AnyHealthca*MentHith	1	-0.00540	0.00353	2.3348	0.1265		
NoDocbcCost*MentHIth	1	0.000435	0.00222	0.0385	0.8445		
GenHith*MentHith	1	-0.00121	0.00100	1.4472	0.2290		
ВМІ	1	-0.0145	0.0107	1.8516	0.1736		
HighBP*BMI	1	-0.00291	0.00202	2.0759	0.1496		
HighChol*BMI	1	-0.00095	0.00188	0.2565	0.6125		
CholCheck*BMI	1	0.00697	0.00778	0.8011	0.3708		
Smoker*BMI	1	0.0113	0.00189	35.7294	<.0001		
Stroke*BMI	1	-0.00180	0.00385	0.2177	0.6408		
HeartDiseaseorAt*BMI	1	-0.00177	0.00278	0.4048	0.5246		
PhysActivity*BMI	1	0.00396	0.00199	3.9436	0.0470		
Fruits*BMI	1	0.000331	0.00193	0.0294	0.8639		
Veggies*BMI	1	0.000680	0.00224	0.0918	0.7619		
HvyAlcoholConsum*BMI	1	0.00157	0.00531	0.0871	0.7679		
AnyHealthcare*BMI	1	0.000494	0.00413	0.0144	0.9046		
NoDocbcCost*BMI	1	0.000300	0.00299	0.0100	0.9202		
GenHith*BMI	1	0.000904	0.00115	0.6226	0.4301		
MentHlth*BMI	1	0.000286	0.000113	6.4427	0.0111		
PhysHlth	1	0.0112	0.0109	1.0583	0.3036		
HighBP*PhysHlth	1	0.00305	0.00173	3.1100	0.0778		
HighChol*PhysHlth	1	0.00220	0.00158	1.9273	0.1651		
CholCheck*PhysHlth	1	0.0103	0.00796	1.6708	0.1961		
Smoker*PhysHlth	1	0.00159	0.00154	1,0774	0.2993		
Stroke*PhysHlth	1	0.00330	0.00254	1.6939	0.1931		
HeartDiseas*PhysHlth	1	0.00278	0.00188	2.1948	0.1385		
PhysActivit*PhysHlth	1	-0.00393	0.00156	6.3704	0.0116		
Fruits*PhysHlth	1	-0.00164	0.00158	1.0739	0.3001		
Veggies*PhysHlth	1	-0.00524	0.00178	8.6222	0.0033		
HvyAlcoholC*PhysHlth	1	-0.00459	0.00439	1.0927	0.2959		
AnyHealthca*PhysHith	1	0.00143	0.00372	0.1480	0.7004		
NoDocbcCost*PhysHIth	1	0.00360	0.00237	2,3055	0.1289		
GenHith*PhysHith	1	-0.00749	0.000775	93.4070	<.0001		
MentHith*PhysHith	1	0.000209	0.000078	7.2328	0.0072		
BMI*PhysHlth	1	0.000184	0.000106	3.0011	0.0832		
DiffWalk	1	1.2264	0.2394	26.2404	<.0001		
HighBP*DiffWalk	1	0.00965	0.0376	0.0658	0.7976		
HighChol*DiffWalk	1	0.0641	0.0342	3.5040	0.0612		
CholCheck*DiffWalk	1	0.0577	0.1695	0.1156	0.7338		
Smoker*DiffWalk	1	-0.0545	0.0333	2.6731	0.1021		
Stroke*DiffWalk	1	0.0678	0.0562	1.4552	0.2277		
HeartDiseas*DiffWalk	1	0.2093	0.0413	25.7459	<.0001		
PhysActivit*DiffWalk	1	-0.0404	0.0336	1.4455	0.2293		
Fruits*DiffWalk Veggies*DiffWalk	1	-0.00614	0.0344	0.0319	0.8582		
Veggies*DiffWalk HvyAlcoholC*DiffWalk	1	0.0337	0.0388	0.7564 1.1677	0.3845		
AnyHealthca*DiffWalk	1	0.1038	0.0960	1.1677	0.2799		
NoDocbcCost*DiffWalk	1	-0.1189	0.0831	4.9432	0.2885		
GenHlth*DiffWalk	1	-0.1301	0.0333	44.6625	<.0001		
MentHIth*DiffWalk	1	0.00121	0.00193	0.3887	0.5330		
BMI*DiffWalk	1	-0.0127	0.00193	29.1864	<.0001		
PhysHlth*DiffWalk	1	-0.00070	0.00162	0.1856	0.6666		
Sex	1	-0.3080	0.1854	2.7609	0.0966		
HighBP*Sex	1	-0.1243	0.0291	18.2090	<.0001		
HighChol*Sex	1	-0.1392	0.0272	26.1697	< .0001		
CholCheck*Sex	1	-0.1035	0.1340	0.5971	0.4397		
Smoker*Sex	1	0.0110	0.0267	0.1690	0.6810		
Stroke*Sex	1	-0.0339	0.0516	0.4328	0.5106		
HeartDiseaseorAt*Sex	1	-0.00147	0.0371	0.0016	0.9683		
PhysActivity*Sex	1	0.00258	0.0291	0.0078	0.9294		
Fruits*Sex	1	-0.0791	0.0275	8.2955	0.0040		
Veggies*Sex	1	0.0430	0.0322	1.7821	0.1819		
HvyAlcoholConsum*Sex	1	0.1200	0.0741	2.6220	0.1054		
AnyHealthcare*Sex	1	0.1025	0.0664	2.3835	0.1226		
NoDocbcCost*Sex	1	0.0264	0.0459	0.3303	0.5655		
GenHlth*Sex	1	-0.0906	0.0162	31.1936	<.0001		
MentHlth*Sex	1	0.000586	0.00174	0.1139	0.7358		
BMI*Sex	1	0.000958	0.00194	0.2427	0.6222		
PhysHlth*Sex	1	0.00212	0.00157	1.8255	0.1767		
DiffWalk*Sex	1	0.1250	0.0342	13.3448	0.0003		
Age	1	0.0963	0.0359	7.2015	0.0073		
ons/d8a68d2a-6863-4031-accb-c6f68063e4f3/results							

				analysis1.sas	
Analys	Analysis of Maximum Likelihood Estimates				
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
HighBP*Age	1	-0.0450	0.00577	60.8915	<.0001
HighChol*Age	1	-0.0716	0.00560	163.7350	<.0001
CholCheck*Age	1	-0.0318	0.0271	1,3814	0.2399
Smoker*Age	1	0.00464	0.00560	0,6875	0.4070
Stroke*Age	1	-0.0328	0.0120	7.5101	0.0061
HeartDiseaseorAt*Age	1	-0.0511	0.00857	35,5389	<.0001
PhysActivity*Age	1	-0.00441	0.00609	0.5249	0.4688
Fruits*Age	1	-0.0252	0.00573	19.3779	<.0001
Veggies*Age	1	0.00784	0.00665	1.3899	0.2384
HvyAlcoholConsum*Age	1	-0.0374	0.0154	5.8782	0.0153
AnyHealthcare*Age	1	-0.0526	0.0142	13.6428	0.0002
NoDocbcCost*Age	1	0.0190	0.00943	4.0362	0.0445
GenHlth*Age	1	-0.0311	0.00331	88,6453	<.0001
MentHlth*Age	1	0.00183	0.000354	26,5528	<.0001
BMI*Age	1	0.00606	0.000367	273.0622	<.0001
PhysHlth*Age	1	0.000061	0.000339	0.0320	0.8579
DiffWalk*Age	1	-0.0390	0.00745	27.3647	<.0001
	1	0.0775	0.00743	186,3755	<.0001
Sex*Age Education	1	-0.1440	0.00568	2,7168	0.0993
HighBP*Education	1	0.0344	0.0874	5,2386	0.0993
	1				
HighChol*Education CholCheck*Education	1	-0.00696 -0.0340	0.0141	0.2448	0.6208
Smoker*Education	1	0.0229	0.0652	2.7541	0.0021
Stroke*Education	1		0.0158		
		0.0391	0.0252	2.4070 0.3537	0.1208 0.5520
HeartDisea*Education	1	0.0108	0.0181		
PhysActivi*Education		-0.0123		0.7171	0.3971
Fruits*Education	1	-0.0407	0.0142	8.2670	0.0040
Veggies*Education	1	-0.00541	0.0100	0.1139	0.7358
HvyAlcohol*Education	1	-0.00429	0.0394	0.0118	0.9133
AnyHealthc*Education	1	-0.0807	0.0302	7.1542	0.0075
NoDocbcCos*Education	1	0.00634	0.0219	0.0840	0.7719
GenHlth*Education	1	0.0211	0.00809	6.8287	0.0090
MentHlth*Education	1	-0.00140	0.000840	2.7988	0.0943
BMI*Education	1	-0.00060	0.000990	2.4134	0.1203
PhysHlth*Education DiffWalk*Education	1		0.000774	0.5994 2.5263	0.4388
		-0.0270	0.0170		
Sex*Education	1	0.0124	0.0141	0.7780	0.3778
Age*Education	1	0.00853 -0.2821	0.00289	8.7362 38.3689	0.0031 <.0001
Income HighBP*Income	1	-0.2821	0.00765	0.0006	0.9804
HighChol*Income	1	-0.00019	0.00703	0.0286	0.8656
CholCheck*Income	1	0.0842	0.0328	6.5728	0.0104
Smoker*Income	1	0.00495	0.00699	0.5023	0.4785
Stroke*Income	1	0.00495	0.00699	1.0021	0.4765
HeartDiseaseo*Income	1	-0.00987	0.0129	1.0021	0.3168
	1		0.00943		
PhysActivity*Income	1	-0.0175		5.5590	0.0184
Fruits*Income		-0.00002	0.00721	0.0000	0.9974
Veggies*Income	1	0.000679	0.00819	0.0069	0.9339
HvyAlcoholCon*Income	1	0.00554	0.0199	0.0771	0.7813
AnyHealthcare*Income	1	-0.0387	0.0163	5.6154	0.0178
NoDocbcCost*Income	1	0.0122	0.0113	1.1696	0.2795
GenHith*Income	1	0.0335	0.00412	66.1385	<.0001
MentHith*Income	1	0.000847	0.000411	4.2466	0.0393
BMI*Income	1	0.000148	0.000490	0.0908	0.7632
PhysHlth*Income	1	-0.00066	0.000387	2.9460	0.0861
DiffWalk*Income	1	-0.00599	0.00840	0.5090	0.4756
Sex*Income	1	0.0239	0.00705	11.4829	0.0007
Age*Income	1	0.00420	0.00145	8,3939	0.0038
Education*Income	1	0.00717	0.00308	5.4285	0.0198

Association of Predicted Probabilities and Observed Responses						
Percent Concordant	oncordant 82.4 Somers' D 0.6					
Percent Discordant	17.6	Gamma	0.648			
Percent Tied	0.0	Tau-a	0.172			
Pairs	8543204831	С	0.824			