Model Information

Data Set WORK.RENAL
Distribution Binomial
Link Function Logit

Dependent Variable MICRO24 prevalence of microalbuminuria at 6 years fu

Number of Observations Read 172
Number of Observations Used 172
Number of Events 42
Number of Trials 172

Response Profile

Ordered		Total
Value	MICRO24	Frequency
1	1	42
2	0	130

PROC GENMOD is modeling the probability that MICRO24='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	166	155.3362	0.9358
Scaled Deviance	166	155.3362	0.9358
Pearson Chi-Square	166	182.2750	1.0980
Scaled Pearson X2	166	182.2750	1.0980
Log Likelihood		-77.6681	

Algorithm converged.

Analysis Of Parameter Estimates

Parameter	DF	Estimate	Standard Error	Wald 95% (Confidence its	Chi- Square	Pr > ChiSq
Intercept	1	-8.2806	3.0714	-14.3005	-2.2608	7.27	0.0070
INT	1	-1.5831	0.4267	-2.4195	-0.7467	13.76	0.0002
HBAEL	1	0.5675	0.1449	0.2835	0.8515	15.34	<.0001
YEARSDM	1	0.0096	0.0636	-0.1151	0.1343	0.02	0.8799
SBP	1	0.0233	0.0208	-0.0174	0.0640	1.26	0.2620
FEMALE	1	-0.8905	0.4473	-1.7672	-0.0139	3.96	0.0465
Scale	0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

DCCT - log link 2

The GENMOD Procedure

Model Information

Data Set WORK.RENAL
Distribution Binomial
Link Function Log

Dependent Variable MICRO24 prevalence of microalbuminuria at 6 years fu

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Response Profile

Ordered		Total
Value	MICRO24	Frequency
1	1	42
2	0	130

PROC GENMOD is modeling the probability that MICRO24='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	166	0.0000	0.0000
Scaled Deviance	166	0.0000	0.0000
Pearson Chi-Square	166	80.7791	0.4866
Scaled Pearson X2	166	80.7791	0.4866
Log Likelihood		-1.79769E308	

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

Analysis Of Parameter Estimates

			Standard	Wald 95% (Confidence	Chi-	
Parameter	DF	Estimate	Error	Lim	its	Square	Pr > ChiSq
Intercept	0	-0.9513	0.0000	-0.9513	-0.9513		
INT	0	-0.1189	0.0000	-0.1189	-0.1189		
HBAEL	0	0.0459	0.0000	0.0459	0.0459		
YEARSDM	0	0.0035	0.0000	0.0035	0.0035	•	
SBP	0	0.0028	0.0000	0.0028	0.0028		
FEMALE	0	-0.0692	0.0000	-0.0692	-0.0692	•	
Scale	0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

Model Information

Data Set WORK.RENAL
Distribution Binomial
Link Function Log
Dependent Variable MICRO24

prevalence of
microalbuminuria
at 6 years fu

Number of Observations Read 172
Number of Observations Used 172
Number of Events 42
Number of Trials 172

Response Profile

Ordered		Total
Value	MICRO24	Frequency
1	1	42
2	0	130

PROC GENMOD is modeling the probability that MICRO24='1'.

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	166	158.4378	0.9544
Scaled Deviance	166	158.4378	0.9544
Pearson Chi-Square	166	169.7421	1.0225
Scaled Pearson X2	166	169.7421	1.0225
Log Likelihood		-79.2189	

Algorithm converged.

Analysis Of Parameter Estimates

Parameter	DF	Estimate	Standard Error	Wald 95% (Confidence its	Chi- Square	Pr > ChiSq
Intercept	1	-3.7767	1.4990	-6.7148	-0.8387	6.35	0.0118
INT	1	-1.0484	0.3091	-1.6542	-0.4426	11.50	0.0007
HBAEL	1	0.2661	0.0642	0.1403	0.3920	17.18	<.0001
YEARSDM	1	-0.0137	0.0334	-0.0793	0.0518	0.17	0.6809
SBP	1	0.0054	0.0130	-0.0200	0.0309	0.17	0.6760
FEMALE	1	-0.7292	0.3139	-1.3443	-0.1140	5.40	0.0202
Scale	0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

Model Information

Data Set WORK.RENAL
Distribution Poisson
Link Function Log

Dependent Variable MICRO24 prevalence of

microalbuminuria at 6 years fu

Number of Observations Read 172 Number of Observations Used 172

Class Level Information

Class	Levels	Values
OBSN	172	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
		21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37
		38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54
		55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71
		72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87

Parameter Information

Parameter	Effect
Prm1	Intercept
Prm2	INT
Prm3	HBAEL
Prm4	YEARSDM
Prm5	SBP
Prm6	FEMALE

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	166	93.4752	0.5631
Scaled Deviance	166	93.4752	0.5631
Pearson Chi-Square	166	128.1050	0.7717
Scaled Pearson X2	166	128.1050	0.7717
Log Likelihood		-88.7376	

Algorithm converged.

Analysis Of Initial Parameter Estimates

Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Chi- Square	Pr > ChiSq
Intercept	1	-5.5016	2.2458	-9.9033	-1.0999	6.00	0.0143
INT	1	-1.0801	0.3532	-1.7725	-0.3878	9.35	0.0022
HBAEL	1	0.3394	0.0983	0.1468	0.5321	11.93	0.0006
YEARSDM	1	-0.0032	0.0487	-0.0986	0.0922	0.00	0.9475
SBP	1	0.0130	0.0164	-0.0192	0.0452	0.63	0.4285
FEMALE	1	-0.6201	0.3557	-1.3173	0.0771	3.04	0.0813
Scale	0	1.0000	0.0000	1.0000	1.0000		

NOTE: The scale parameter was held fixed.

GEE Model Information

Correlation Structure	Independent		
Subject Effect	OBSN (172 levels)		
Number of Clusters	172		
Correlation Matrix Dimension	1		
Maximum Cluster Size	1		
Minimum Cluster Size	1		

Algorithm converged.

Analysis Of GEE Parameter Estimates Empirical Standard Error Estimates

Parameter	Estimate	Standard Error		fidence its	Z	Pr > Z
Intercept	-5.5016	1.8790	-9.1843	-1.8189	-2.93	0.0034
INT	-1.0801	0.3043	-1.6766	-0.4837	-3.55	0.0004
HBAEL	0.3394	0.0836	0.1755	0.5033	4.06	<.0001
YEARSDM	-0.0032	0.0387	-0.0791	0.0727	-0.08	0.9341
SBP	0.0130	0.0144	-0.0152	0.0412	0.90	0.3663
FEMALE	-0.6201	0.2999	-1.2079	-0.0323	-2.07	0.0387