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The GLIMMIX Procedure

Model Information

Data Set NYAM.RIGGINSWOK4

Response Variable recentincar

Response Distribution Binary

Link Function Logit

Variance Function Default

Variance Matrix Blocked By pid

Estimation Technique Residual PL

Degrees of Freedom Method Between-Within

Class Level Information

Class Levels Values

pid 298 not printed

recentincar 2 no yes

retention 2 yes no

injectdrugs 2 yes no

everheroin 2 yes no

mentaldiag 3 don yes no

site 10 not printed

Number of Observations Read 1224

Number of Observations Used 552

Response Profile

Ordered Total

Value recentincar Frequency

1 no 496

2 yes 56

The GLIMMIX procedure is modeling the probability that recentincar='yes'.

Dimensions

R-side Cov. Parameters 2

Columns in X 14

Columns in Z per Subject 0

Subjects (Blocks in V) 231

Max Obs per Subject 4

Optimization Information

Optimization Technique None

Parameters 1

Lower Boundaries 0

Upper Boundaries 0

Fixed Effects Profiled

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The GLIMMIX Procedure

Optimization Information

Residual Variance Profiled

Starting From Data

Fixed effects updates stopped at iteration 19.

Fit Statistics

-2 Res Log Pseudo-Likelihood .

Generalized Chi-Square 381.43

Gener. Chi-Square / DF 0.70

Covariance Parameter Estimates

Standard

Cov Parm Subject Estimate Error

CS pid 0.2392 0.06251

Residual 0.7037 0.05822

Solutions for Fixed Effects

Standard

Effect retention injectdrugs everheroin mentaldiag Estimate Error DF t Value Pr > |t|

Intercept -4.5306 1.7370 222 -2.61 0.0097

retention yes -1.2984 0.3293 28 -3.94 0.0005

retention no 0 . . . .

years\_any\_opioid -0.01915 0.01820 222 -1.05 0.2939

asidrugscore 0.03054 0.01507 222 2.03 0.0440

male 0.8573 0.4032 222 2.13 0.0346

injectdrugs yes -1.0189 0.4033 222 -2.53 0.0122

injectdrugs no 0 . . . .

everheroin yes 1.8695 1.5694 222 1.19 0.2349

everheroin no 0 . . . .

mentaldiag don -21.5153 41311 222 -0.00 0.9996

mentaldiag yes 0.4107 0.3468 222 1.18 0.2376

mentaldiag no 0 . . . .

BC31 1.0950 0.4891 222 2.24 0.0262

Odds Ratio

Retention = 0.27

Asidrugscore = 1.03

Male = 2.36

Injectdrugs = 0.36

Bc31 = 2.99

Type III Tests of Fixed Effects

Num Den

Effect DF DF F Value Pr > F

retention 1 28 15.54 0.0005

years\_any\_opioid 1 222 1.11 0.2939

asidrugscore 1 222 4.10 0.0440

male 1 222 4.52 0.0346

injectdrugs 1 222 6.38 0.0122

everheroin 1 222 1.42 0.2349

mentaldiag 2 222 0.70 0.4971

BC31 1 222 5.01 0.0262