Data Summary, Model Information, and Fit Statistics (EM Algorithm)

Number of subjects in dataset: 2587

Number of subjects in analysis: 2587

Number of measurement items: 7

Response categories per item: 2 2 2 2 2 2 2

Number of groups in the data: 1

Number of latent classes: 4

Rho starting values were randomly generated (seed = 591962).

No parameter restrictions were specified (freely estimated).

Seed selected for best fitted model: 262040658

Percentage of seeds associated with best fitted model: 96.00%

The model converged in 74 iterations.

Maximum number of iterations: 5000

Convergence method: maximum absolute deviation (MAD)

Convergence criterion: 0.000001000

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Fit statistics:

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Log-likelihood: -6512.18

G-squared: 253.06

AIC: 315.06

BIC: 496.66

CAIC: 527.66

Adjusted BIC: 398.17

Entropy: 0.93

Degrees of freedom: 96

Test for MCAR

Log-likelihood: -6385.65

G-squared: 222.25

Degrees of freedom: 514

Parameter Estimates

(Standard errors could not be computed; please see the log file for details. )

Gamma estimates (class membership probabilities):

Class: 1 2 3 4

0.0932 0.1423 0.2447 0.5197

Rho estimates (item response probabilities):

Response category 1:

Class: 1 2 3 4

LIFETIME : 0.3097 1.0000 1.0000 0.1199

PREV\_YR : 0.0000 0.9016 1.0000 0.0000

PREV\_MO : 0.0000 0.2611 0.7339 0.0000

NEXT\_MO : 0.2010 0.3059 0.8749 0.0159

APRV\_TRY : 0.9807 0.6672 1.0000 0.1658

APRV\_OCC : 0.9850 0.1978 0.9975 0.0054

APRV\_REG : 0.4254 0.0206 0.6077 0.0019

Response category 2:

Class: 1 2 3 4

LIFETIME : 0.6903 0.0000 0.0000 0.8801

PREV\_YR : 1.0000 0.0984 0.0000 1.0000

PREV\_MO : 1.0000 0.7389 0.2661 1.0000

NEXT\_MO : 0.7990 0.6941 0.1251 0.9841

APRV\_TRY : 0.0193 0.3328 0.0000 0.8342

APRV\_OCC : 0.0150 0.8022 0.0025 0.9946

APRV\_REG : 0.5746 0.9794 0.3923 0.9981

Frequency distribution of log-likelihoods for multiple starting values

LogLik Cum. Cum.

Freq Freq Percent Percent

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-6512.18 ‚\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 96 96 96.00 96.00

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-6515.81 ‚\* 2 98 2.00 98.00

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-6513.98 ‚\* 1 99 1.00 99.00

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-6644.16 ‚\* 1 100 1.00 100.00

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10 20 30 40 50 60 70 80 90

Frequency