

New Personal Opportunity and Wellness Indicators Scales Using the National Core Indicators

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Background

Wellness and opportunity to engage in choice-making and community participation have long been seen as important life outcomes for people with IDD. However, measuring these outcomes in a systematic and holistic way across state service systems has been a challenge. This poster seeks to fill this need by presenting two new scales, one focused on Wellness Indicators and the other focused on Personal Opportunity, based on the 2017 National Core Indicators national dataset.

Method

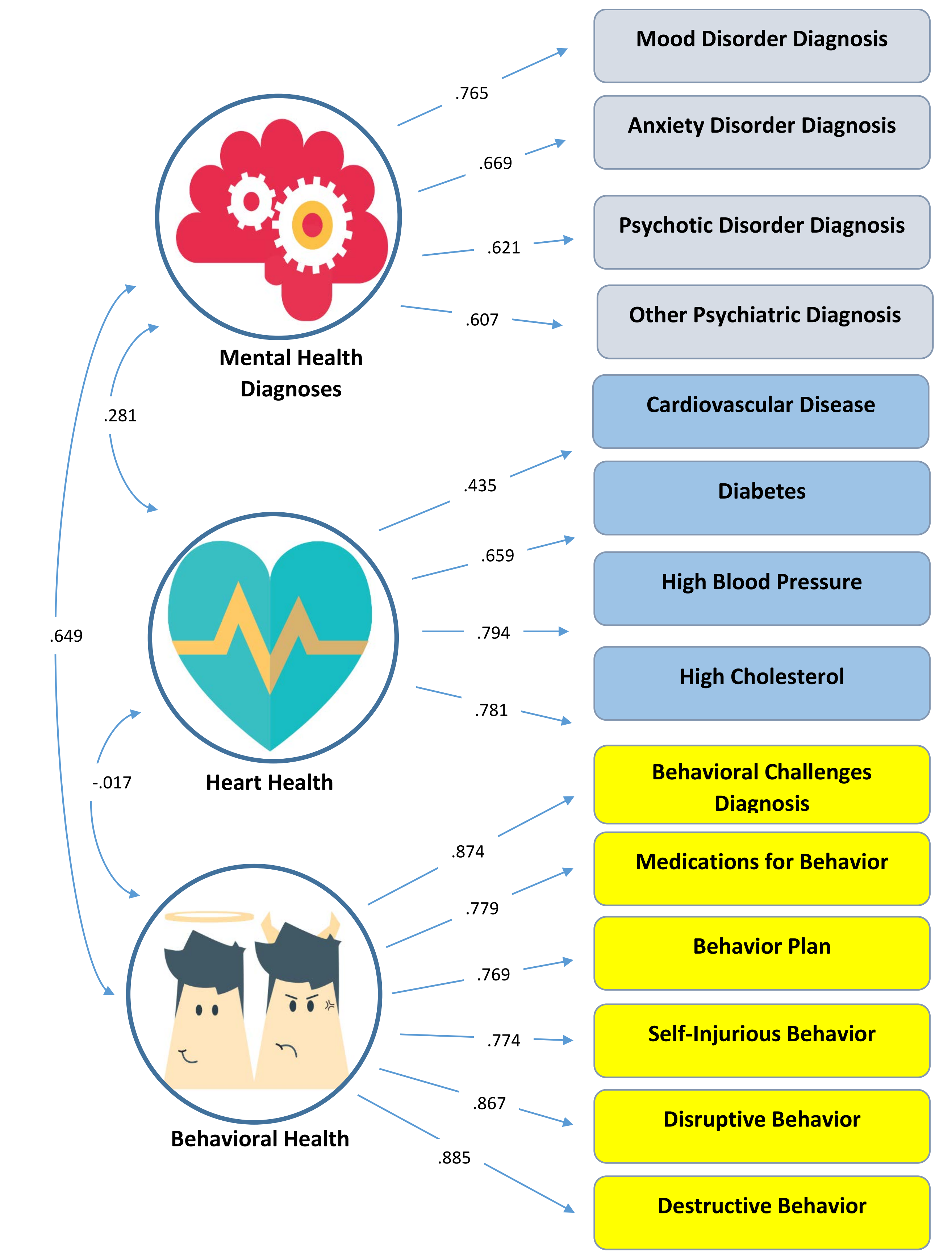
Data Sources.
National Core Indicators Adult In-Person survey (2017) was used to complete this project.

- Virginia NCI Adult In-Person sample: N=810
- National NCI Adult In-Person sample of N=25,544

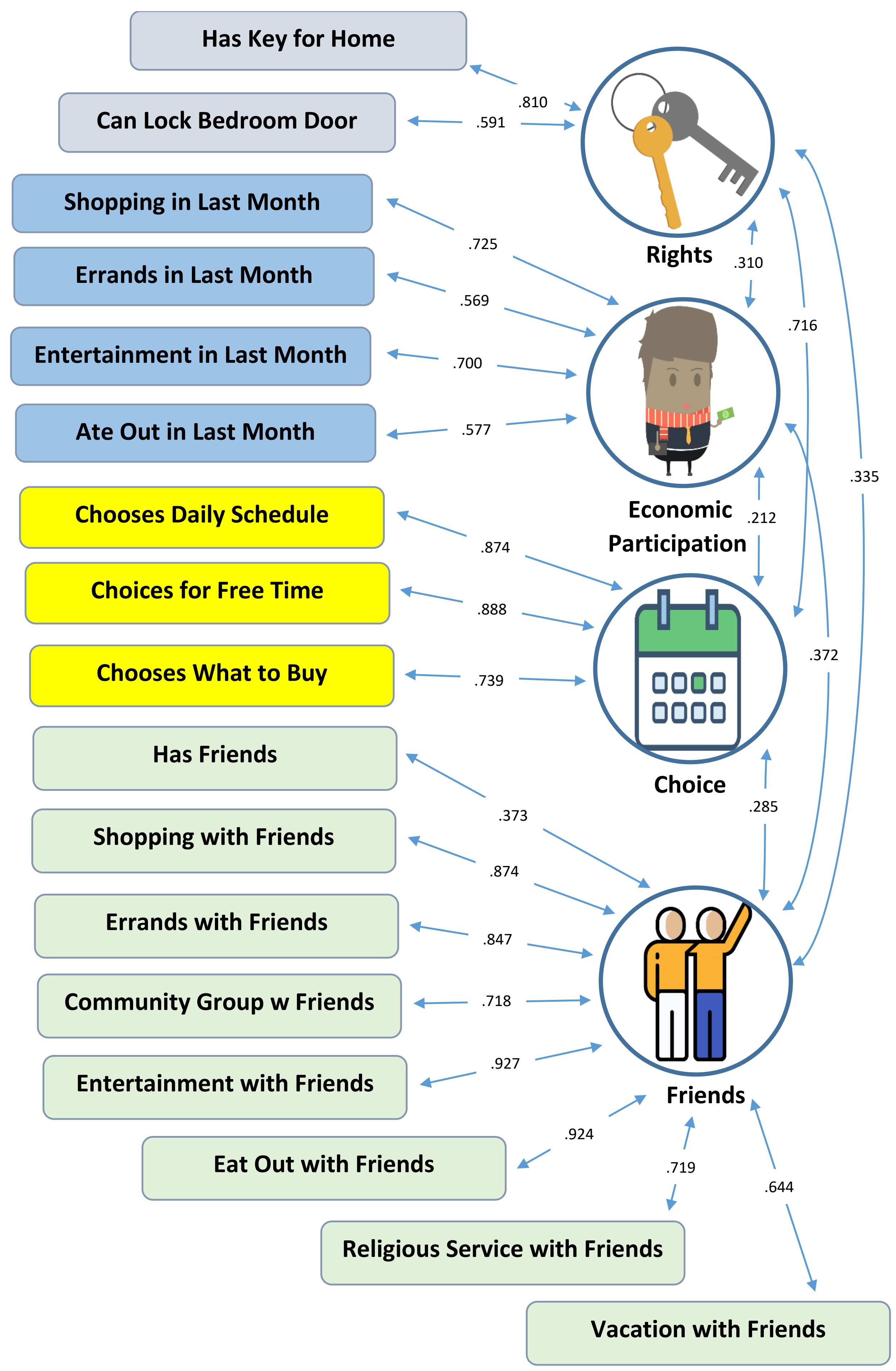
Procedure.
We initially constructed variables based on Virginia NCI data, and then tested those models in the national NCI data.

Analysis.
We used Mplus Version 7.11 with mean-and-variance-adjusted weighted least squares estimator (WLSMV) for all confirmatory factor analysis (CFA) models. To address potential bias due to missing data full information maximum likelihood was used. Friendship items in VA had missingness of approximately 40% while all other items had 0-10% missingness. Acceptable model fit guidelines are as such: CFI $\geq .95$, SRMR $\leq .08$, and RMSEA $\leq .06$ (Hu & Bentler, 1999).

Wellness



Personal Opportunity



Fit Statistics

Personal Opportunity National Model (N=25,544)	
Chi-Square Test of Model Fit	
Value	3498.835*
Degrees of Freedom	113
P-Value	0.000
RMSEA (Root Mean Square Error of Approximation)	
Estimate	0.034
90 Percent C.I.	0.033 0.035
Probability RMSEA $\leq .05$	1.000
CFI	0.977
TLI	0.972
WRMR (Weighted Root Mean Square Residual)	
Value	4.366

Fit Statistics

Wellness National Model (N=25,544)	
Chi-Square Test of Model Fit	
Value	2176.648*
Degrees of Freedom	74
P-Value	0.0000
RMSEA (Root Mean Square Error of Approximation)	
Estimate	0.033
90 Percent C.I.	0.032 0.035
Probability RMSEA $\leq .05$	1.000
CFI	0.987
TLI	0.984
WRMR (Weighted Root Mean Square Residual)	
Value	4.270

Why Does This Matter?

There are three main ways in which these findings may be important:

1. Provides the most holistic NCI measures that have been developed to understand Wellness and Personal Opportunity.
2. Explains a method for using national and state-level data together to investigate important policy questions.
3. Provides a way to look at Wellness and Personal Opportunity outcomes nationally and to examine differences among states.

Next Steps

Researchers in other states are encouraged to assess the fit of these models to their own state's NCI data. Doing so may allow investigation of questions such as:

- How to state service utilization profiles relate to outcomes in the Wellness and Personal Opportunity domains?
- How do factors such as residence type, level of disability, and access to support resources relate to these outcomes?
- How to these outcomes vary from state to state?