



## Physical Activity Belief Scales for Diabetes Risk: Development and Psychometric Testing

[Login \(/login\)](#)

- [IUPUI ScholarWorks Repository](#)
- →
- [Center for Translating Research Into Practice \(TRIP\)](#)
- →
- [TRIP Scholars](#)
- →
- [David G. Marrero](#)
- →
- [View Item](#)

## Physical Activity Belief Scales for Diabetes Risk: Development and Psychometric Testing

[Blue, Carolyn L.](#) ; [Marrero, David G.](#) ; [Black, David R.](#)



Name: blue-2008-physical.pdf

Size: 439.7Kb

Format: PDF

[View/Open](#)

Permanent Link: <http://hdl.handle.net/1805/3546>

Date: 2008-06

Keywords: [Type 2 diabetes](#) ; [theory of planned behavior](#) ; [physical activity beliefs](#) ; [psychometric testing](#)

Cite As: Blue, C. L., Marrero, D. G., & Black, D. R. (2008). Physical activity belief scales for diabetes risk: development and psychometric testing. *Health Education & Behavior*, 35(3), 316-331.

### Abstract:

This article describes the development and psychometric evaluation of behavioral belief, normative belief, and control belief scales, derived from the theory of planned behavior to predict physical activity intentions of persons at risk for diabetes. In Study 1, belief statements from interviews were categorized, ranked, and evaluated for item construction. Content validity was established by 96.1% agreement among a five-member expert panel. In Study 2, items developed from the belief statements were administered to 106 adults at risk for diabetes. Psychometric analyses provided evidence of construct validity and reliability of the three scales. Internal consistency was sufficient ( $\alpha = .76-.95$ ), and test-retest evaluations indicated scale stability ( $r = .79-.91$ ). Factor analyses and confirmatory factor analysis using structural equation modeling provided evidence that the items were appropriately grouped under each construct. Researchers and practitioners can use these measures to assess behavioral, normative, and control beliefs about physical activity among persons at risk for diabetes.

**This item appears in the following Collection(s)**

- [Department of Medicine Articles \(/handle/1805/4121\)](/handle/1805/4121)
- [David G. Marrero \(/handle/1805/6601\)](/handle/1805/6601)



[Show Statistical Information \(#\)](#)

## My Account

- [Login](#)
- [Register](#)

## Statistics

- [Most Popular Items](#)
- [Statistics by Country](#)
- [Most Popular Authors](#)

[About Us \(/page/about\)](/page/about) | [Contact Us \(/contact\)](/contact) | [Send Feedback \(/feedback\)](/feedback)

[\\_\(/htmlmap\)](/htmlmap)

### FULLFILLING *the* PROMISE

[Privacy Notice \(http://ulib.iupui.edu/privacy\\_notice\)](http://ulib.iupui.edu/privacy_notice)



Copyright (<http://www.iu.edu/copyright/index.html>) ©2015

The Trustees of Indiana University (<http://www.iu.edu/>),

Copyright Complaints (<http://www.iu.edu/copyright/complaints.shtml>)