

Active Where? Individual Item Reliability Report June, 2010

INTRODUCTION

The Active Where? Study was designed to develop new measures of environmental correlates of diet and physical activity specifically for youth. The environments of interest were home, community, and school. Three different sites were involved in this study in order to make the findings more generalizable. These sites were in: San Diego, California; Cincinnati, Ohio; and Boston, Massachusetts. A survey was administered to a sample of adolescents, parents of these adolescents, and parents of a sample of children. The study was supported by Active Living Research (ALR), a program of the Robert Wood Johnson Foundation. *For a thorough description of the study, please refer to:*

- (1) <http://www.drjamesallis.sdsu.edu/Documents/AW%20methods%20and%20overview.pdf>
- (2) http://www-rohan.sdsu.edu/faculty/sallis/Documents/Active_Where_Pubs_9_22_09.pdf

Purpose

The purpose of this report is to present the test-retest reliability of the individual survey items used in the Active Where? Study. These reliability statistics may be used by other researchers or community health planners who are interested in using survey items from this study in their own research projects. These results supplement reliability analyses on selected scales that have been reported in various published papers.

METHODS

Sample

The Active Where? Survey was administered to three different samples: 1) adolescents; 2) parents of these adolescents; and 3) parents of children. Adolescents were between the ages of 12 and 17, and children were between the ages of 6 and 11. The survey was administered twice, approximately 2 to 4 weeks apart, to the same study participants. The only participants used in this test-retest reliability analysis are those that completed the survey at both time points.

Measures

The survey has 23 sections, each focusing on a different aspect of the physical environment that may be related to health behaviors. The surveys for parents were identical to the survey administered to adolescents, except for slight changes in wording (“your child’s” vs. “your”) and additional sections on “parking” and the “International Prevalence Study on Physical Activity – Environmental Module.” The full surveys are posted in two locations: Dr. Jim Sallis’s website (<http://www.drjamesallis.sdsu.edu/measures.html>) and the ALR website (<http://www.activelivingresearch.org/node/11951>).

Analysis

All analyses were conducted using SPSS Statistics 17.0. For survey items with more than 2 response options, intra-class correlation coefficients and percent agreements were obtained. For survey items with 2 responses, kappa coefficients were obtained. Some of the survey items were recoded for this analysis. Exact coding schemes are described for each section in the results tables.

RESULTS

Individual item test-retest reliability statistics are presented in three separate documents:

- 1) adolescents (N=120): http://www-rohan.sdsu.edu/faculty/sallis/Documents/AW_item_reliability_Adolescent.pdf
- 2) parents of adolescents (N=120): http://www-rohan.sdsu.edu/faculty/sallis/Documents/AW_item_reliability_ParentAdo.pdf
- 3) parents of children (N=97): http://www-rohan.sdsu.edu/faculty/sallis/Documents/AW_item_reliability_ParentChild.pdf

This report was prepared by Lauren Joe and Jordan Carlson of Active Living Research