

Classen, S., Winter, S.M., Velozo, C., Bédard, M., Lanford, D., Brumback, B., & Lutz, B. (in press). Item Development and Validity Testing for a Safe Driving Behavior Measure. *American Journal of Occupational Therapy*.

Abstract:

OBJECTIVE: To report on item development and validity testing of a self-report older adult Safe Driving Behaviors Measure (SDBM).

METHOD: Based on theoretical frameworks (Precede-Proceed Model of Health Promotion, Haddon's matrix and Michon's model), existing driving measures, previous research, and guided by measurement theory, we developed items capturing safe driving behavior. Item development was further informed by focus groups. We established face validity using peer reviewers and content validity using expert raters.

RESULTS: Peer review indicated acceptable face validity. Initial expert rater review yielded a scale content validity index (CVI) rating of 0.78, with 44/60 items rated ≥ 0.75 . Sixteen unacceptable items (≤ 0.5) required major revision or deletion. The next CVI scale average was 0.84 indicating acceptable content validity.

CONCLUSION: The SDBM has relevance as a self-report to rate older drivers. Future pilot testing of the SDBM comparing results to on-road testing will define criterion validity.

MeSH Keywords: aged, self assessment, automobile driving, psychometrics, measurement