

INJURY PREVENTION TOOL REPOSITORY

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BACKGROUND

Research and program evaluation tools related to specific areas of injury prevention are often difficult to locate. In addition, many tools are not published and therefore not readily available to researchers and community practitioners. There is a clear need for a central repository presenting the tools available. The BC Injury Research and Prevention Unit (BCIRPU) in collaboration with the Nova Scotia Child Safety and Injury Prevention Program and the Canadian Collaborating Centres for Injury Prevention and Control developed a tool repository as a web-based resource for the injury prevention community throughout Canada and internationally.

OBJECTIVES

To support and facilitate injury-related research and program evaluation activities by providing a central repository for quick and easy access to injury-related tools.

METHOD

An extensive literature search was conducted using CINAHL, MEDLINE, and Health and Psychosocial Instruments with search words including "child safety", "child injury", "falls", "accidental falls", "back injury", "pedestrian safety", "car seats", "bicycle safety", "risk assessments", "instrument validation", "validity tests and injury prevention", "predictive values of tests", "validation studies", "home safety checklists", "geriatric assessment", "injury", "tools", "survey" and "questionnaire". Reference lists were also checked for relevant articles. Attempts were made to acquire original references for all tools, as well as a list of subsequent citations. In addition, a letter was sent out to injury researchers throughout Canada asking for unpublished tools. We required that all tools relate to the pre-injury event, including safety or preventative measures, the injury event, or the injury itself.

A repository form was developed in order to abstract information on year of development, purpose of the tool, method of delivery, relevance to injury, number of items and time required to complete, type of data collected by the tool, pilot test and reliability/validity testing information, as well as information on obtaining a copy of the instrument.

RESULTS

The literature search identified 6627 potential articles. Subsequent screening for relevance resulted in 99 useful articles on instruments. In addition, 25 instruments were received directly from researchers. Presently, key characteristics of 77 tools have been extracted and compiled into a database used to maintain records.

Literature reviews and requests for submissions from researchers will be ongoing to identify newly developed tools.

Extracted tools have been made accessible on the BCIRPU website www.injuryresearch.bc.ca. The web-based form allows researchers to search for tools based on key words.

CONCLUSION

This repository will facilitate injury prevention research efforts and community-based program evaluations by providing easily accessible injury prevention measurement tools in one convenient location. Its availability on the Internet makes it accessible to researchers and program evaluators around the world.

Data Extraction Form

Name of Instrument: Author:	Form of instrument: Checklists Questionnaire/ Survey Hazard/Risk Assessment Tools Home hazard Appraisal Safety Assessment Tools Injury Surveillance/Tracking tool	Time to administer or complete the instrument: _____
Contact Information Name: _____ Address: _____ Phone: _____ Fax: _____ E-mail: _____	Method of delivery: Self-Report Proxy Report Mail-out Phone Interview In-person interview/assessment Audit of records (postcards) Other:	Methods of data analyses: Qualitative Quantitative
Privacy Use Cost: \$ _____ Public Use Cost: \$ _____		Setting/sample instrument used in: _____
Year Developed: _____		Was it pilot tested? _____
Where to obtain Instrument: Referenced article Contact author Other:		Pilot test sample: _____
Description of the Instrument: _____ _____ _____	Relevance to injury/ Percentage of the instrument specific to injury: _____ _____ _____	Reliability Measures: _____
		Validity Measures: _____
		Reference: _____
		Other References: _____
		Keywords: _____

LIMITS

While the injury prevention community has been contacted to provide unpublished instruments, it remains likely that some instruments will not be captured by the database.

Website
www.injuryresearch.bc.ca



Sample of Tools Included in Repository

- Abuse Screen
- Activities-specific Balance Confidence (ABC) Scale
- Ankle Injury Assessment
- Automobile Safety (Bucklebear) Interview Guide
- Behavioral Risk Factor Surveillance System
- Behavioral Risk Factor Surveillance System (modified)
- Bicycle Helmet Use Survey
- Choice Stepping Reaction Time
- Classification System
- Employee Safety Attitude / Supervisor Safety Attitude
- Fall Risk Assessment Scales
- Fall Risk Index
- Fall-Risk Screening Test
- Falls Efficacy Scale
- Foot and Medial Longitudinal Arch Measurements
- Framingham Safety Surveys
- Functional Reach Test
- Get-up and Go Test
- Get Up and Go Test, Timed and Modified Timed Version
- Hendrich Fall Risk Model
- Home-Screen Scale
- Infant Care Scale
- Injury Prevention Knowledge Survey
- Injury Severity Assessment Survey/Parent Report
- Injury Severity Score
- Is Your Patient About To Fall?
- Medial Longitudinal Arch Measurements
- Modified Gait Abnormality Rating Scale
- Modified Self Efficacy Scale
- Morse Fall Scale
- Multi-Directional Reach Test
- New Injury Severity Score
- Parent Health Behavior Questionnaire
- Parental Influence on Aggressive Behavior Questionnaire
- Parent's Perception (Bucklebear) Questionnaire
- Pediatric Injury Survey
- Performance-Oriented Assessment/Evaluation
- Periodic Occupational Health Survey
- Preplacement Assessments
- Preventive Health History Form
- Reassessment is Safe "Kare" (RISK) Tool
- Rugby Union Injury Data
- Safe at Home Questionnaire
- Seat Belt Use Questionnaire
- Self-Control Rating Scale
- Standardized Mobility Test
- St. Thomas' Risk Assessment Tool in falling elderly inpatients (STRATIFY)
- Tinetti Balance Scale
- University of Illinois at Chicago Fear of Falling Measure (UICFFM)

