

# **BIBLIOGRAPHY OF BEHAVIORAL SCIENCE RESEARCH IN UNINTENTIONAL INJURY PREVENTION**

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# **BIBLIOGRAPHY OF BEHAVIORAL SCIENCE RESEARCH IN UNINTENTIONAL INJURY PREVENTION**

## **INTRODUCTION**

This bibliography grew out of an initial meeting CDC sponsored on behavioral science and unintentional injury prevention in September 1998. From this meeting, CDC's Injury Center formed a Behavioral Science Working Group to bring together researchers and practitioners who have interest and experience in using behavioral science approaches in unintentional injury prevention. The working group is part of a general effort to take an interdisciplinary approach to injury prevention and to identify innovative strategies from the behavioral and social sciences. The work of this group has helped CDC to promote and facilitate new scientific approaches to injury prevention and to document important contributions not easily found or often cited in the injury literature.

Members of the working group are from universities and government agencies in the United States, Australia, Canada, and the United Kingdom. They actively conduct research in clinical, social, and pediatric psychology; preventive medicine; health education; health promotion; behavioral epidemiology; and health communications. This group is unique because of its members' academic diversity and history of addressing injury prevention from a behavioral and social science perspective.

The goals of the bibliography are to document the contributions of behavioral and social science research to unintentional injury prevention and control and to increase awareness about the impact and importance of behavioral science in the field of injury control. Ideally, this bibliography will help to stimulate injury researchers and behavioral scientists to work together to uncover new solutions to the injury problem. This bibliography can also serve as a useful starting point for students and researchers who are interested in conducting research related to behavioral science and injury control.

## **METHODS AND FORMAT**

### **SEARCH STRATEGY**

We conducted a literature search of English-language literature published from 1980 to 2001, with supplementary searches conducted through early 2003. We used several social/behavioral and medical literature databases, including Medline, PsycInfo, CINAHL, and Current Contents online databases. We focused our search on theory-based research in unintentional injury prevention that incorporated theoretical models such as PRECEDE, the Haddon matrix, the Health Belief Model, and Social Learning Theory. We used these and several additional theoretical models as our primary search topics, and cross-referenced each with target populations and types of injury (e.g., head injury, bicycle injury, motor vehicle crashes, drowning). We also completed searches on terms in each of the following research areas:

- School-based research (e.g., school education, school safety)
- Education and training research (e.g., safety education, safety training, consumer education, counseling and brief interventions)
- Behavioral research (e.g., behavior modification, behavioral intention, behavioral safety, applied behavioral analysis, problem behavior)
- Social behavior research (e.g., diffusion of innovation, social norms and socialization, social facilitation)
- Organizational research (e.g., organizational development, organizational climate)
- Communications research (e.g., risk communication, risk perception, mass media, social marketing)
- Environmental psychology (e.g., ecological studies, human factors and ergonomics, hazard reduction, environmental health)
- Intervention research (e.g., development, implementation, evaluation and dissemination of interventions focused on behavior change)
- Non-traditional injury disciplines (e.g., environmental psychology, military medicine, simulation research, fire technology, regulatory controls, and child development)

To further expand our list of citations, we reviewed reference sections of key articles and texts and included any publications not identified through our literature search. This strategy proved especially useful for the non-traditional injury disciplines, which were less often represented in the public health literature databases.

## **CRITERIA AND PROCEDURES FOR SELECTING AND CATEGORIZING BIBLIOGRAPHY ENTRIES**

Our search produced thousands of citations from hundreds of journals, reports, and publications. We reviewed these citations and abstracts (when available) to select articles for inclusion in this bibliography. Keeping with the goals of our project, articles, reports, and other publications to be included had to address non-occupational injuries and involve the application of behavioral or social science principles or health education practices. Some exceptions were made for studies that addressed unintentional injury topics in occupational settings (e.g., on-the-job seat belt use, safety culture). Epidemiological research was kept to a minimum, and when single studies produced multiple publications, we selected one or two that we perceived to be the most relevant.

Once we agreed on the final list, we categorized citations in two different ways, as reflected in the bibliography format.

- (1) *Selected keywords.* Words that describe either the target population (e.g., children, adolescents) or the type of intervention (e.g., health communications, behavior modification).
- (2) *Broad subject headings.* Categories that encompass the major injury topics (e.g., motor vehicle, sports-related, poisoning), determinants of injury, review articles, and cross-cutting research that focuses on more than one of these areas. The headings that appear in this section are not mutually exclusive; thus, the same article may appear under more than one subject heading.

Members of the working group reviewed the draft bibliography and provided feedback on citations and categorizations. The members of the Working Group on Behavioral Sciences in Unintentional Injury Prevention are listed at the end of this introduction.

## **BIBLIOGRAPHY FORMAT**

The document appears in two major sections:

- **Section I** lists references alphabetically by author and offers a one-page index of pertinent references by selected keywords.
- **Section II** is a listing of the references divided into broad subject headings.

## ACKNOWLEDGMENTS

*The following individuals\* contributed to the search for literature in this bibliography, reviewed and revised entries, and/or participated as members<sup>†</sup> of the Working Group on Behavioral Science and Unintentional Injury Prevention.*

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