Meta-Analysis of Drug Abuse Prevention Programs

Editor:
William J. Bukoski, Ph.D.

NIDA Research Monograph 170
1997

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health

National Institute on Drug Abuse
Division of Epidemiology and Prevention Research
5600 Fishers Lane
Rockville, MD 20857
ACKNOWLEDGMENT

This monograph is based on the papers from a technical review on "Meta-Analysis of Drug Abuse Prevention Programs" held on July 26-27, 1993. The review meeting was sponsored by the National Institute on Drug Abuse.

COPYRIGHT STATUS

The National Institute on Drug Abuse has obtained permission from the copyright holders to reproduce certain previously published material as noted in the text. Further reproduction of this copyrighted material is permitted only as part of a reprinting of the entire publication or chapter. For any other use, the copyright holder's permission is required. All other material in this volume except quoted passages from copyrighted sources is in the public domain and may be used or reproduced without permission from the Institute or the authors. Citation of the source is appreciated.

Opinions expressed in this volume are those of the authors and do not necessarily reflect the opinions or official policy of the National Institute on Drug Abuse or any other part of the U.S. Department of Health and Human Services.

The U.S. Government does not endorse or favor any specific commercial product or company. Trade, proprietary, or company names appearing in this publication are used only because they are considered essential in the context of the studies reported herein.

National Institute on Drug Abuse
NIH Publication No. 97-4147
Printed 1997

NIDA Research Monographs are indexed in the Index Medicus. They are selectively included in the coverage of American Statistics Index, BioSciences Information Service, Chemical Abstracts, Current Contents, Psychological Abstracts, and Psychopharmacology Abstracts.
Table of Contents

Meta-Analysis of Drug Abuse Prevention Research.........................1
  William J. Bukoski

Meta-Analysis of Adolescent Drug Prevention Programs:
Results of the 1933 Meta-Analysis........................................5
  Nancy S. Tobler

Validity of Integrity Tests for Predicting Drug and
Alcohol Abuse: A Meta-Analysis..........................................69
  Frank L. Schmidt, Vish Viswesvaran, and Deniz S. Ones

Meta-Analysis and Models of Substance
Abuse Prevention.............................................................96
  Betsy Jane Becker

Realities of the Effect Size Calculation Process:
Considerations for Beginning Meta-Analysts.......................120
  Patricia D. Perry

Issues and Challenges in Coding Interventions for
Meta-Analysis of Prevention Research................................130
  Elizabeth C. Devine

Experiments Versus Quasi-Experiments:
Do They Yield the Same Answer?.....................................147
  William R. Shadish and Donna T. Heinsman

Drawing Generalized Causal Inferences
Based on Meta-Analysis..................................................165
  Georg E. Matt

Issues in Classification in Meta-Analysis in
Substance Abuse Prevention Research................................183
  William B. Hansen and Lynn A. Rose
Improving Meta-Analysis for Policy Purposes...............................202
Larry V. Hedges

Using Linked Meta-Analysis To Build Policy Models....................216
Mark W. Lipsey

Some Limiting Factors in Meta-Analysis .......................................234
Robert L. Bangert-Drowns