

Book Reviews

Variables Affecting Drug Use

Longitudinal Research on Drug Use. Empirical Findings and Methodological Issues. Papers from a conference, San Juan, P.R., April 1976. DENISE B. KANDEL, Ed. Hemisphere, Washington, D.C., and Halsted (Wiley), New York, 1978. x, 314 pp. \$22.50.

For decades, knowledge of drug users was based mainly on studies of those who were found in prisons or hospitals, and it turned out that many beliefs based on those studies were wrong. This was shown by Lee Robins's study of drug use among Vietnam veterans and by surveys of the general population started by the Marihuana Commission in 1971 and continued by the National Institute on Drug Abuse (NIDA). But these surveys, though they provided data on drug use over time, did so retrospectively, and causal order was never satisfactorily established—reports on early events or feelings could have been colored by later events. So true longitudinal studies were needed. Such studies were started as early as the surveys, but naturally were later in being completed. Now we have some of their results, and the reports presented in the compilation under review show that some of the early hopes for such studies were justified—but that the studies pose problems too.

Examples of hopes fulfilled are the clear demonstration by Johnston, O'Malley, and Eveland that most of the difference in delinquency among non-users and various drug-using groups existed before drug use began and Kandel's identification of the stages through which youthful drug use progresses, previously described in these pages (*Science* 190, 912 [1975]).

A major problem is best pointed up in the study by Josephson and Rosen of the differences between those persons who complete questionnaires or are interviewed in all waves of a panel study and those who are captured by the first wave but are lost in later ones. In the typical research design, the investigator uses probability methods to choose a sample

of some population worth generalizing to. Some members of the sample refuse to cooperate or can't be located, even in the first wave. Of those seen in the first wave, only a percentage are seen in the later ones. It is usually only those who furnish data in all waves on whom data analysis is based, but if a large percentage of the original random sample is lost the generalizability of the conclusions becomes questionable.

Several of the authors would seem to agree with the solution Jessor and Jessor have adopted to this problem. They would not generalize to the population because their core sample (students who completed each of four annual questionnaires) constituted only 38 percent of the original sample, but they saw the core sample as "nonetheless, satisfactory for the testing of hypotheses about variation in behavior and development." But the statistics used for these tests are means and product-moment and multiple correlation coefficients, all of which can clearly differ in part of a sample from their values in the full sample.

Generalization is also affected in other ways. "Drug use" carries its usual connotation, of extensive use of powerful drugs, in only one paper, Robins's examination of her data on Vietnam veterans to tease out the effects of setting and predisposition on whether use of drugs was begun before, during, or after Vietnam service. She looks at initiation into use of marihuana, amphetamines, barbiturates, and narcotics with her usual imagination and rigor, showing that Vietnam had negligible net effect on use of amphetamines and barbiturates but large effects on use of the other two drugs.

The only other paper that deals with part of what is usually perceived as the "drug problem" is one by Roizen, Cahalan, and Shanks on "spontaneous remissions" among problem drinkers. Using a general population sample, these authors show that there is a substantial amount of spontaneous remission of drinking problems, as assessed by a variety of criteria for remission, problem, and seriousness of problem, even when the ac-

tual amount of drinking remains stable or increases. Their findings bring into question the clinical picture focused on "alcoholics" instead of on "drinking problems" with the latter viewed as lasting.

All the other studies are essentially studies of marihuana use. Use of other drugs was found, but infrequently enough that categories like "no drug use," "marihuana only," and "other drugs," or merely "nonusers" and "users," serve Jessor and Jessor, Kandel *et al.*, Mellinger *et al.*, and Smith and Fogg, while those employed by Johnston *et al.* were only slightly more extensive.

This reflects the nature of the samples used. When one thinks of drug use as a social problem, those pictured as users are likely to be minority group members, living in slum areas of large cities, drop-outs from school or frequent truants, in their late teens. But here the samples were:

Jessor and Jessor: middle-class Anglo-American students in grades 7 through 12 of six schools in a small Rocky Mountain city; also a sample of similar college freshmen.

Johnston, O'Malley, and Eveland: national random sample of boys selected in 1966 from 10th grade in 87 high schools across the United States.

Josephson and Rosen: 18,000 students from 18 junior and senior high school systems, purposely selected to reflect racial, regional, and community size differences in the United States.

Kandel, Kessler, and Margulies: students from 18 New York State high schools, grades 9 through 12.

Mellinger, Somers, Bazell, and Mannheim: freshmen at the University of California, Berkeley; 82 percent white, 12 percent Asian; middle-income parents; superior high school records.

Robins: random sample of army enlisted males who returned to the United States from Vietnam in September 1971, and another random sample of those who tested positive for morphine just before departure.

Roizen, Cahalan, and Shanks: probability sample of white males, aged 21 through 59, in San Francisco.

Smith and Fogg: students in grades 4 through 12 of six suburban school systems in the Boston area; white, middle-income parents.

Of these, only Robins's sample was both complete for the last wave and representative of a segment of the general population at risk of serious drug use. The studies by Jessor and Jessor, Mellinger *et al.*, and Smith and Fogg were on samples in which use of drugs like heroin was improbable, and age decreased the

Longitudinal Research In Drug Use Empirical Findings And Methodological Issues

Anna-Karin Andershed



Longitudinal Research In Drug Use Empirical Findings And Methodological Issues:

Drug and Alcohol Use Stanley Einstein, 1989-01-01 This book is the outcome of the First International Congress on Drugs and Alcohol to be held in Israel Both the conference and this volume grew out of the need to overcome the specious man made barriers which continue to separate intervention plans and efforts in the broad field of substance use and misuse This need demands that all of us become aware not only of the differences which may separate our concerns but also of the similarities in our goals and endeavors We are obligated to draw together toward a common effort for the common good The conference was designed to facilitate the exploration of generic issues This volume is designed to document a variety of factors which are basic to the defining selection planning implementation and evaluation of substance use and misuse intervention This book is not a traditional proceedings volume Because the needs of a listening audience are quite different from those of the solitary reader and the roles of a workshop or plenary session participant are also dissimilar from those of the reader not all of the Congress presentations are included and the articles that are included have undergone major revisions Current intervention needs and options demand a broad spectrum of clearly defined roles for all who are or should be involved Hence these issues among others served as guidelines in the preparation of the revised articles *Longitudinal Research on Drug Use* Denise Bystryn Kandel, NIDA Research Monograph, 1976 *Research Issues*, 1974

Advances in Clinical Child Psychology Benjamin B. Lahey, Alan E. Kazdin, 2012-12-06 Advances in Clinical Child Psychology is a serial publication designed to provide researchers and clinicians with a medium for discussing new and innovative approaches to the problems of children In this fourth volume a group of highly distinguished authors have described advancing knowledge in a number of critical areas of applied child psychology These include childhood depression drug abuse social skills deficits community living skills the genetics of childhood behavior disorders and affective states in children In addition major statements on new approaches to the assessment of dysfunctional family systems and the social skills of children as well as the increasingly important methodology of epidemiology are included in this volume These chapters provide a synopsis of many of the most important advances in the field of clinical child psychology The quality of a series of this sort is of course due to the quality of the contributing authors We feel very fortunate indeed therefore to have been able to entice such a distinguished group of authors to contribute to this volume We are also most appreciative of the guidance and assistance of the consulting editors who provided us with ideas for chapter topics and authors and who carefully reviewed and edited each chapter We also express our hearty thanks to Leonard R Pace of Plenum whose expertise and support has always been generously given BENJAMIN B LAHEY ALAN E KAZDIN ix Contents The Epidemiology of Child Psychopathology 1 William Yule 1 Introduction Substance Abuse and Psychopathology Arthur Alterman, 2014-07-08 Substance misuse and abuse exist in almost every human society In our western civilization the bulk of attention has focused on those individuals who specifically seek treatment or those who have become so disabled by these problems that they

require treatment These individuals usually qualify for a psychiatric diagnosis of alcohol or other substance abuse However just as it has been recognized that primary substance abuse is frequently associated with other diagnosable psychiatric disorders such as sociopathy or attention deficit disorder residual type and that the origins of substance abuse are multivariate we have also begun to become aware that many other individuals in our society with psychiatric or other problems also suffer to varying degrees from substance abuse These problems may be considered secondary by various specialists or treatment personnel but nevertheless they are problems and what disorder is primary or secondary in a given individual may often be very difficult to determine in a meaningful fashion Thus within the past decade research studies have reported significant incidences of substance abuse or misuse in high school and college aged populations in medical populations and in individuals with other psychiatric disorders such as schizophrenia depression and the anxiety and personality disorders Yet to date little has been done to bring together and systematize this widely scattered data that describes the presence of substance abuse problems in various populations

Psychosocial Constructs of Alcoholism and Substance Abuse Barry Stimmel, 2016-10-14 Originally published in 1983 in an attempt to provide a broader knowledge base to aid both treatment and prevention experts examine topics such as the need for an holistic approach to therapy sexual functioning drug abusing youths in inner city neighbourhoods the role of the family and much more

Drugs, Daydreaming, and Personality Bernard Segal, George J. Huba, Jerome L. Singer, 2018-02-06 Originally published in 1980 this book presents a detailed account of a series of investigations that examined the patterns of resort to drugs and alcohol use in college youth and how such substance uses are linked to personality characteristics and daydreaming patterns The Editors chose to emphasize the more private features of the personality because these had often been ignored in earlier research despite popular assumptions that there are close ties between fantasy inwardness spacey qualities all suggesting permanent changes in mental organization and substance use in youth This volume will be of interest to a wider audience than just drug and alcohol researchers because of the effort to go beyond normative patterns of substance use toward explorations of personality and consciousness

Straight and Devious Pathways from Childhood to Adulthood Lee N. Robins, Michael Rutter, 1990 This book examines childhood personality and behaviour to adulthood from major longitudinal studies in psychopathology

Handbook of Moral Behavior and Development William M. Kurtines, Jacob Gewirtz, Jacob L. Lamb, 2013-04-15 The publication of this unique three volume set represents the culmination of years of work by a large number of scholars researchers and professionals in the field of moral development The literature on moral behavior and development has grown to the point where it is no longer possible to capture the state of the art in a single volume This comprehensive multi volume Handbook marks an important transition because it provides evidence that the field has emerged as an area of scholarly activity in its own right Spanning many professional domains there is a striking variety of issues and topics surveyed anthropology biology economics education philosophy psychology psychiatry sociology social work

and more By bringing together work on diverse topics the editors have fostered a mutually beneficial exchange not only between alternative approaches and perspectives but also between applied and pure research interests The Theory volume presents current and ongoing theoretical advances focusing on new developments or substantive refinements and revisions to existing theoretical frameworks The Research volume summarizes and interprets the findings of specific theory driven research programs reviews research in areas that have generated substantial empirical findings describes recent developments in research methodology techniques and reports research on new and emerging issues The Application volume describes a diverse array of intervention projects educational clinical organizational and the like Each chapter includes a summary report of results and findings conceptual developments and emerging issues or topics Since the contributors to this publication are active theorists researchers and practitioners it may serve to define directions that will shape the emerging literature in the field

Childhood and Chemical Abuse Karol L Kumpfer, Stephanie Griswold-Ezekoye, Mary Frank, 2013-12-02 Childhood and Chemical Abuse highlights the most recent prevention and intervention strategies for fighting substance abuse among children and adolescents The contributors all experienced researchers and service providers in the chemical abuse field clarify the negative impact that substance abusers can have on the health welfare and productivity of others document the increased risk of becoming substance abusers that children of substance abusers face and examine the major causes and correlates of chemical dependency in youth The issues research and strategies within this exciting book provide a grounded and practical direction for the implementation of prevention and intervention techniques in the addiction process

Drugs and American High School Students, 1975-1983 Lloyd Johnston, Patrick M. O'Malley, Jerald G. Bachman, 1984 *Drugs and American High School Students*, 1984

In Sync with Adolescence Anna-Karin Andershed, 2007-03-12 At the start of every school day it is not an unfamiliar sight to see younger children bounding toward school bright eyed and bushy tailed ready to seize the day In contrast adolescents sometimes seem to sleepwalk toward their middle and high schools often bleary eyed cantankerous and less than enthusiastic to get down to work Why the difference Recent developmental research has demonstrated a relationship between sleep wake patterns and different kinds of problem behaviors including social adjustment problems family coercion and disaffection from school Adolescents who prefer staying up later in the evening and arising late in the morning i e eveningness have often been considered at greater risk of suffering from such problem behaviors as delinquency and negative relationships with parents and teachers Those who tend to go to bed and arise earlier i e morningness have long been associated with more positive outcomes In the majority of previous research however these concepts have never been adequately tested In Sync with Adolescence The Role of Morningness Eveningness in Development examines the possible effects of adolescent preferences on problem behavior in different contexts This volume presents a new way of looking at morningness eveningness in relation to adolescent development in general and on problem behavior in particular The study has produced results the implications

of which necessitate a reinterpretation of the current thinking about morningness eveningness and adolescent adjustment This volume should be of particular interest to developmental psychologists and researchers who are interested in examining the role of biological factors in psychological processes as well as to sleep researchers who are interested in both the clinical and behavioral aspects In addition it is a valuable resource for clinical child and school psychologists medical staff teachers and anyone who works with adolescents

The Development of Alcohol Problems Robert A. Zucker, Gayle M. Boyd, Jan Howard, 1994 Guide to Risk Factor and Outcome Instruments for Youth Substance Abuse Prevention Program Evaluations, 1999 **Adolescent Health**, 1991 Adolescent Health: Background and the effectiveness of selected prevention and treatment services, 1991 This three volume work presents the Office of Technology's assessment of the physical emotional and behavioral health status of contemporary American adolescents including those living in poverty racial and ethnic minority groups Native Americans and rural adolescents Specific topics covered are identifying risk and protective factors for adolescent health problems evaluating options in the organization of health services and technologies available to adolescents assessing options in the conduct of national health surveys to improve collection of adolescent health statistics and identifying gaps in research on the health and behavior of adolescents

Drug Use, Policy, and Management Richard Isralowitz, 2002-06-30 This new edition provides an up to date examination of the key issues of the drug problem including cigarettes heroin alcohol cocaine and marijuana It offers a current review of definitions of drug use and dependence the latest developments regarding tobacco use and the historical agreement between government and industry and research and analysis from a cross cultural perspective A detailed account of opium and heroin distribution and control in the region of Afghanistan provide valuable insight Whether it be illegal drugs such as marijuana heroin and cocaine or legal substances including cigarettes and alcohol drug use is a deeply imbedded characteristic of society An immense amount of money and human resources is spent in the United States to address drug use For example the cost of substance abuse to the U S economy each year is estimated to be over 414 billion In terms of illegal drugs alone the U S drug market has been estimated to be 150 billion a year The annual federal anti drug budget for law enforcement is about 12 billion per year and about 3 billion goes to overseas drug wars alone with about half of that amount going to Colombia to eliminate opium and coca cultivation It has been reported that substance abuse and addiction will add at least 41 billion to the costs of elementary and secondary education for 2001 due to class disruption and violence special education and tutoring teacher turnover truancy children left behind student assistance programs property damage injury and counseling The cost to the nation for each of its hard core addicts per year is about 30 000 The amount spent on the drug problem does not include the cost of drug use measured in human suffering increased violence and lost lives nor does it include the damage done by cigarettes and alcohol The second updated edition of this important work examines issues about the use and abuse of legal and illegal drugs from multiple perspectives including the social context of reality historical and present patterns of use causal factors

associated with addiction research findings including those of a cross cultural nature case studies of addicts and the management of services provision **Handbook of Substance Abuse** Ralph E. Tarter, Robert T. Ammerman, Peggy J. Ott, 2013-03-09 A review of the literature pertaining to the neurobehavioral pharmacology of abusable drugs this is the only book to survey each of the eleven classes of addictive drugs from the perspectives of neurological behavioral and clinical pharmacology Designed to serve as a companion text to the DSM IV manual the Handbook provides comprehensive information about each drug and drug class having abuse potential with respect to their pharmaceutical mechanisms and actions

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