

National Institute on Drug Abuse

RESEARCH

Monograph Series

Compendium

1975–2006



National Institutes of Health
U.S. Department of Health and Human Services
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Research Monograph Compendium

1975–2006

The National Institute on Drug Abuse (NIDA) supports most of the world's research on drug abuse and addiction. NIDA-funded research enables scientists to apply the most advanced techniques available to the study of every aspect of drug abuse, including:

- ◆ genetic and social determinants of vulnerability to drugs;
- ◆ short- and long-term effects of drugs on the brain, including addiction;
- ◆ health and social impacts of drug abuse, including infectious diseases and economic costs; and
- ◆ development and testing of medication and behavioral treatments for drug abuse and addiction.

NIDA has compiled this compendium of NIDA *Research Monographs* published from 1975 to 2006. NIDA *Research Monographs* are prepared by NIDA's research divisions and published by its Office of Science Policy and Communications. The primary objective of the series is to provide critical reviews of research problem areas and techniques, content of state-of-the-art conferences, and integrative research reviews. The purpose of these publications is to disseminate targeted, scientific information to the professional community.

How To Order Research Monographs

Ordering publications from this compendium is as easy as picking up your phone or downloading them from the NIDA Web site (www.drugabuse.gov). Most of the monographs listed in this compendium are also available from the National Technical Information Service (NTIS). For up-to-date pricing information or to order a specific publication, call NTIS toll-free (888-584-8332) or visit the NTIS Web site (www.ntis.gov). Prices may vary for photocopies, electronic files (provided via e-mail in PDF format), or CD-ROM. Prices listed in this compendium from NTIS are archival prices for microfiche and paper copy reports. Prices are subject to change.

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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*.

Publisher's Note

NIDA no longer produces its *Research Monograph* series, except for proceedings from The Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc., which takes place annually in June. The research monographs developed from this meeting include comprehensive, up-to-date reviews of research in progress from many disciplines in drug abuse and dependence, and are published in April of the following year. To order free copies of the proceedings, call the National Clearinghouse for Alcohol and Drug Information (NCADI) toll-free (800-729-6686) or visit the NCADI Web site (www.health.org).

NIDA Research Monographs

Research Monograph 1

Findings of Drug Abuse Research

1975 • Volume I, NTIS PB 272867 \$97.50

Volume II, NTIS PB 272868 \$89.50

An annotated bibliography of extramural grant research supported by the National Institute of Mental Health and the National Institute on Drug Abuse, from 1967 to 1974.

Research Monograph 2

Operational Definitions in Socio-Behavioral Drug Use Research 1975

1976 • NTIS PB 246338 \$52

Task force articles proposing consensual definitions of concepts and terms used in psychosocial research to achieve operational comparability.

Research Monograph 3

Aminergic Hypotheses of Behavior: Reality or Cliché?

1975 • NTIS PB 246687 \$52

Articles examining relation of the brain monoamines to a range of animal and human behaviors.

Research Monograph 4

Narcotic Antagonists: The Search for Long-Acting Preparations

1975 • NTIS PB 247096 \$33.50

Articles concerning research on antagonist delivery systems, such as sustained-release and long-acting drug devices.

Research Monograph 5

Young Men and Drugs—A Nationwide Survey

1976 • NTIS PB 247446 \$52

Report of a national survey in 1974 and 1975 measuring drug use by men 20–30 years of age.

Research Monograph 6

Effects of Labeling the “Drug Abuser:” An Inquiry

1976 • NTIS PB 249092 \$33.50

Analysis and review of literature examining the effects of drug abuse on adolescent apprehensions and arrests.

Research Monograph 7

Cannabinoid Assays in Humans

1976 • NTIS PB 251905 \$47.50

Articles describing developments in measuring methods of cannabinoid levels in the human body—immunoassay, liquid and dual column chromatography, and mass spectroscopy techniques.

Research Monograph 8

Rx: 3x/Week LAAM—Alternative to Methadone

1976 • NTIS PB 253763 \$47.50

Comprehensive summary of the development of LAAM (levo-alpha-acetyl-methadol), a drug used for treatment of narcotic addiction.

Research Monograph 9

Narcotic Antagonists: Naltrexone Progress Report

1977 • NTIS PB 255833 \$59.50

Progress report on naltrexone, from its development through preclinical and clinical studies.

Research Monograph 10

Epidemiology of Drug Abuse: Current Issues

1977 • NTIS PB 266691 \$74

Examines methodological problems of surveys and data collection.

Research Monograph 11

Drugs and Driving

1977 • NTIS PB 269602 \$52

Research review on the effects of different drugs on performance impairment, particularly on driving.

Research Monograph 12

Psychodynamics of Drug Dependence

1977 • NTIS PB 276084 \$59.50

A collection of papers discussing the role of individual psychodynamics in drug dependence.

Research Monograph 13

Cocaine: 1977

1979 • NTIS PB 269175 \$64

A series of reports that discusses cocaine use and misuse.

Research Monograph 14

Marijuana Research Findings: 1976

1977 • NTIS PB 271279 \$74

Technical papers that discuss research findings on the prevalence, use, and consequences of using marijuana.

Research Monograph 15

Review of Inhalants: Euphoria to Dysfunction

1977 • NTIS PB 275798 \$86.50

Defines the nature of the inhalant abuse problem.

Research Monograph 16

Epidemiology of Heroin and Other Narcotics

1978 • NTIS PB 276357 \$68.50

Task force report on research technologies and implications for studying heroin—narcotic use.

Research Monograph 17**Research on Smoking Behavior**

1979 • NTIS PB 276353 \$89.50

Explores the epidemiology, etiology, and consequences of smoking, as well as behavioral change in the prevention and treatment of smoking.

Research Monograph 18**Behavioral Tolerance:
Research and Treatment Implications**

1978 • NTIS PB 276337 \$89.50

Presents research findings on behavioral tolerance in substance abuse and discusses new avenues for research. Compares and contrasts theoretical and experimental approaches to investigations in the field.

Research Monograph 19**International Challenge of
Drug Abuse**

1978 • NTIS PB 293807 \$86.50

Papers presented at the VI World Congress of Psychiatry (1977), discussing the psychobiology of drug abuse and affective disorders.

Research Monograph 20**Self-Administration of Abused
Substances: Methods for Study**

1978 • NTIS PB 288471 \$74

Techniques used to study the basic processes underlying abuse of drugs, ethanol, food, and tobacco.

Research Monograph 21**Phencyclidine (PCP) Abuse:
An Appraisal**

1978 • NTIS PB 288472 \$81

Addresses various factors and research on PCP use and abuse.

Research Monograph 22**QUASAR: Quantitative Structure-
Activity Relationships of
Analgesics, Narcotic Antagonists,
and Hallucinogens**

1978 • NTIS PB 292265 \$103.50

Reports from an interdisciplinary conference on the molecular nature of drug–receptor interactions.

Research Monograph 23**Cigarette Smoking as a
Dependence Process**

1979 • NTIS PB 297721 \$64

Explores reasons why the smoking habit begins, and how it maintains its hold despite smokers' knowledge of the health consequences.

Research Monograph 24**Synthetic Estimates for Small Areas:
Statistical Workshop Papers and
Discussion**

1979 • NTIS PB 299009 \$78.50

Papers from a workshop cosponsored by the National Institute on Drug Abuse and the National Center for Health Statistics on a class of statistical approaches that yield estimates of data for States and local areas.

Research Monograph 25**Behavioral Analysis and Treatment
of Substance Abuse**

1979 • NTIS PB 80112428 \$74

Papers that present commonalities and implications for the treatment of dependency on drugs, ethanol, food, and tobacco.

Research Monograph 26**The Behavioral Aspects of Smoking**

1979 • NTIS PB 80118755 \$59.50

Presents the behavioral section of the 1979 Report of the Surgeon General on Smoking and Health.

Research Monograph 27**Problems of Drug Dependence, 1979:
Proceedings of the 41st Annual
Scientific Meeting, the Committee on
Problems of Drug Dependence, Inc.**

1980 • NTIS PB 80175482 \$111.50

Discusses a range of issues concerning the problems of drug use and abuse.

Research Monograph 28**Narcotic Antagonists:
Naltrexone Pharmacochemistry and
Sustained-Release Preparations**

1981 • NTIS PB 81238875 \$78.50

Papers report research on sustained-release and long-acting devices for use with the narcotic antagonist naltrexone.

Research Monograph 29**Drug Abuse Deaths in Nine Cities:
A Survey Report**

1980 • NTIS PB 80178882 \$59.50

Epidemiologic study providing data on drug-involved deaths and procedures for the investigations.

Research Monograph 30**Theories on Drug Abuse:
Selected Contemporary Perspectives**

1980 • Available only on the NIDA Web site.

Volume presents summaries of the major contemporary theories of drug abuse by each of 43 leading theorists.

Research Monograph 31**Marijuana Research Findings: 1980**

1980 • NTIS PB 80215171 \$68.50

Discusses the use and abuse of marijuana and research findings.

Research Monograph 32**GC/MS Assays for Abused Drugs in Body Fluids**

1980 • NTIS PB 81133746 \$64

Presents a collection of methods for the quantitative analysis of various drugs of abuse using gas chromatography/mass spectrometry (GC/MS).

Research Monograph 33**Benzodiazepines:
A Review of Research Results, 1980**

1981 • NTIS PB 82139106 \$42.50

A RAUS Review Report on the abuse liability of benzodiazepine tranquilizers.

Research Monograph 34**Problems of Drug Dependence, 1980:
Proceedings of the 42nd Annual
Scientific Meeting, the Committee on
Problems of Drug Dependence, Inc.**

1981 • NTIS PB 81194847 \$100

Comprehensive data of ongoing research on drug abuse, addiction, and new compounds.

Research Monograph 35**Demographic Trends and Drug Abuse,
1980–1995**

1981 • NTIS PB 82103417 \$42.50

Discusses probable estimates of the extent and nature of nonmedical drug use, 1980–1995, based on age structure and other characteristics of the U.S. population.

Research Monograph 36**New Approaches to Treatment
of Chronic Pain: A Review of
Multidisciplinary Pain Clinics and
Pain Centers**

1981 • NTIS PB 81240913 \$64

Discusses the treatment of pain and the various approaches undertaken by medical centers and pain centers.

Research Monograph 37**Behavioral Pharmacology of
Human Drug Dependence**

1981 • NTIS PB 82136961 \$81

Body of systematically derived data on the behavioral mechanisms of drug use and abuse.

Research Monograph 38**Drug Abuse and the American
Adolescent**

1981 • NTIS PB 82148198 \$47.50

A RAUS Review Report discussing the use of marijuana: epidemiology, sociodelinquency, and biomedical consequences among American adolescents.

Research Monograph 39**Young Men and Drugs in Manhattan:
A Causal Analysis**

1981 • NTIS PB 82147372 \$64

Examines the etiology and natural history of drug use, with a special focus on heroin. Includes a Lifetime Drug Use Index.

Research Monograph 40**Adolescent Marijuana Abusers
and Their Families**

1981 • NTIS PB 82113117 \$42.50

A psychodynamic study of adolescents involved in heavy marijuana use to determine what, if any, interaction between family and adolescent gives rise to drug abuse.

Research Monograph 41**Problems of Drug Dependence, 1981:
Proceedings of the 43rd Annual
Scientific Meeting, the Committee on
Problems of Drug Dependence, Inc.**

1982 • NTIS PB 82190760 \$119.50

Presents abstracts and reports on a wide range of issues and research concerning substance abuse.

Research Monograph 42**The Analysis of Cannabinoids in
Biological Fluids**

1982 • NTIS PB 83136044 \$52

Describes a variety of methodologies for detection and analysis of cannabinoids, to meet requirements of researchers and others for sensitive, reliable, and workable assays.

Research Monograph 43**Problems of Drug Dependence, 1982:
Proceedings of the 44th Annual
Scientific Meeting, the Committee on
Problems of Drug Dependence, Inc.**

1983 • NTIS PB 83252692 \$117

Includes abstracts and reports regarding a wide range of drug abuse issues and research.

Research Monograph 44**Marijuana Effects on the Endocrine
and Reproductive Systems**

1984 • NTIS PB 85150563 \$47.50

An analysis of findings and research needs concerning effects of marijuana use on endocrine and reproductive functioning in animals and humans, with special emphasis on effects upon human pregnancy and fetal development.

Research Monograph 45**Contemporary Research in Pain
and Analgesia, 1983**

1984 • NTIS PB 84184670 \$39.50

A RAUS Review Report on the anatomy, physiology, and neurochemistry of pain and its management.

Research Monograph 46**Behavioral Intervention Techniques
in Drug Abuse Treatment**

1984 • NTIS PB 84184688 \$52

Discusses diverse applications of behavioral interventions, ranging from pharmacological through broad rehabilitative efforts involved in socialization and training, to possible alternative treatment systems based on integration into the community at large.

Research Monograph 47**Preventing Adolescent Drug Abuse: Intervention Strategies**

1983 • NTIS PB 85159663 \$74

A RAUS Review Report on a variety of approaches to prevent adolescent drug abuse, how they can be applied, their chances for success, and the need for future research.

Research Monograph 48**Measurement in the Analysis and Treatment of Smoking Behavior**

1983 • NTIS PB 84145184 \$47.50

Examines issues, methodologies, and technologies in smoking research design and measurement. Provides an overview of knowledge and suggests guidelines to increase validity, compatibility, and comparability of data across studies.

Research Monograph 49**Problems of Drug Dependence, 1983: Proceedings of the 45th Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.**

1984 • NTIS PB 85151553 \$100

A collection of papers in drug abuse research; also includes reports on tests of drug treatment compounds for efficacy and dependence liability.

Research Monograph 50**Cocaine: Pharmacology, Effects, and Treatment of Abuse**

1984 • NTIS PB 85150381 \$47.50

Discusses topics ranging from mechanisms of action and assessment of dependence potential, through analysis of use patterns and behavioral effects, to review of treatment strategies. Provides a central reference in cocaine treatment research.

Research Monograph 51**Drug Abuse Treatment Evaluation: Strategies, Progress, and Prospects**

1984 • NTIS PB 85150365 \$59.50

A review of drug abuse treatment evaluation and identification of research needs, promising approaches, and emerging issues.

Research Monograph 52**Testing Drugs for Physical Dependence Potential and Abuse Liability**

1984 • NTIS PB 85150373 \$52

Presents a review of procedures used to test drugs for their liability to be abused. Makes the important distinction between potential for physical dependence and the broader concept of abuse liability.

Research Monograph 53**Pharmacological Adjuncts in Smoking Cessation**

1985 • NTIS PB 89123186 \$52

Reviews literature and scientific work on nicotine and tobacco dependence. Notes usefulness of integrating behavioral and pharmacological treatment strategies in tobacco dependence.

Research Monograph 54**Mechanisms of Tolerance and Dependence**

1984 • NTIS PB 89103279 \$89.50

Discusses the effects and mechanisms responsible for drug dependence and drug tolerance associated with the compulsive use of drugs.

Research Monograph 55**Problems of Drug Dependence, 1984: Proceedings of the 46th Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.**

1985 • NTIS PB 89123194 \$97.50

Details various presentations on the problems of drug dependence from the 46th Annual Scientific Meeting.

Research Monograph 56**Etiology of Drug Abuse: Implications for Prevention**

1985 • NTIS PB 89123160 \$78.50

Summarizes research findings on the causes of adolescent drug use and pre-adolescent risk factors and predictors of drug use. Identifies priorities for further research.

Research Monograph 57**Self-Report Methods of Estimating Drug Use: Meeting Current Challenges to Validity**

1985 • NTIS PB 88248083 \$59.50

Examines issues regarding the validity of self-reported data—such as under-reporting in direct questioning; noncoverage of population groups at risk for drug use; and estimating use of low prevalence.

Research Monograph 58**Progress in the Development of Cost-Effective Treatment of Drug Abusers**

1988 • NTIS PB 89125017 \$59.50

Looks at short-term treatment approaches that are potentially more effective and cost efficient than traditional long-term treatments for drug abuse.

Research Monograph 59**Current Research on the Consequences of Maternal Drug Abuse**

1985 • NTIS PB 89125025 \$42.50

Focuses attention on results of clinical studies measuring the behavioral, developmental, and cognitive effects of prenatal abuse of drugs, including marijuana, opiates, PCP, and other drugs in combination; examines strengths and weaknesses in the methods used for these studies.

Research Monograph 60**Prenatal Drug Exposure: Kinetics and Dynamics**

1985 • NTIS PB 89124564 \$52

Explores research technologies for studying drug use by the pregnant mother and the effects on the fetus and newborn; considers placental transfer of various drugs, alcohol, and components of cigarette smoke, and their biotransformation in the placenta and fetus.

Research Monograph 61**Cocaine Use in America: Epidemiologic and Clinical Perspectives**

1985 • NTIS PB 89131866 \$68.50

Aims to increase understanding of the epidemiology of cocaine use, reviews available information about patterns of use in the United States, and recommends ways to expand scientific knowledge about cocaine use behaviors.

Research Monograph 62**Neuroscience Methods in Drug Abuse Research**

1985 • NTIS PB 89130660 \$52

Presents approaches to understanding the neurobiological processes that underlie drug abuse behavior from a variety of disciplines (neurochemistry, neurophysiology, and neuroanatomy).

Research Monograph 63**Prevention Research: Deterring Drug Abuse Among Children and Adolescents**

1987 • NTIS PB 89103287 \$68.50

Focuses on school-based social skills and a contrasting cognitive-developmental approach to substance abuse prevention.

Research Monograph 64**Phencyclidine: An Update**

1986 • NTIS PB 89131858 \$78.50

Offers a scientific report on basic biological mechanisms underlying phencyclidine's effects and presents treatment approaches useful to healthcare personnel and researchers.

Research Monograph 65**Women and Drugs: A New Era for Research**

1986 • NTIS PB 89130637 \$42.50

Affirms the need to routinely include the gender variable in drug abuse research. Presents data about women and drugs from preclinical, clinical, and epidemiologic studies, and discusses societal, economic, and physiological factors that relate to drug use and abuse in women.

Research Monograph 66**Genetic and Biological Markers in Drug Abuse and Alcoholism**

1986 • NTIS PB 89134423 \$47.50

Discusses genetic and biological markers, identifies research gaps, and recommends future directions.

Research Monograph 67**Problems of Drug Dependence, 1985: Proceedings of the 47th Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.**

1986 • NTIS PB 89122337 \$119.50

This meeting commemorated the 50th Anniversary of the National Institute on Drug Abuse's Intramural Research Program and the Addiction Research Center (ARC), which sought to study the fundamentals of drug addiction through multidisciplinary research.

Research Monograph 68**Strategies for Research on the Interactions of Drugs of Abuse**

1986 • NTIS PB 89134936 \$68.50

Discusses the interaction of drugs of abuse and therapeutic modalities with other compounds used on the street or therapeutically.

Research Monograph 69**Opioid Peptides: Medicinal Chemistry**

1986 • NTIS PB 89158422 \$89.50

A comprehensive review of the development of new synthetic peptides as analgesics and therapeutic drugs without addiction liability.

Research Monograph 70**Opioid Peptides: Molecular Pharmacology, Biosynthesis, and Analysis**

1987 • NTIS PB 89158430 \$94.50

Presents basic research of great potential usefulness, both in further research and in treatment applications (companion volume to RM 69).

Research Monograph 71**Opiate Receptor Subtypes and Brain Function**

1988 • NTIS PB 89151955 \$64

Examines the state of knowledge of opiate receptor subtypes and specific opioid peptides that act on these receptor subtypes, and considers how brain function might be related to the diversity of receptor/ligand combinations.

Research Monograph 72**Relapse and Recovery in Drug Abuse**

1986 • NTIS PB 89151963 \$64

Reviews long-term studies to assess patterns of relapse and recovery to better understand and help clients in treatment.

Research Monograph 73**Urine Testing for Drugs of Abuse****1987 • NTIS PB 89151971 \$47.50**

Answers questions about what urine screening can and cannot do, how it fits into an overall drug program, and how it can be used more reliably. Illustrates typical screening and confirmation techniques for various abused drugs.

Research Monograph 74**Neurobiology of Behavioral Control in Drug Abuse****1986 • NTIS PB 89151989 \$47.50**

Examines the personality characteristics that may contribute to drug abuse and advanced technologies such as the PET scan that make it possible to study brain metabolism and visualize specific receptors in the living human brain.

Research Monograph 75**Progress in Opioid Research: Proceedings of the 1986 International Narcotics Research Conference****1986 • Available only on the NIDA Web site.**

Includes sections on: receptor isolation; multiple opioid receptors and their ligands; post-receptor events; PCP and its receptor; novel opioid ligands; synthesis and antinociception/analgesia; behavior; and addiction, tolerance, and dependence.

Research Monograph 76**Problems of Drug Dependence, 1986: Proceedings of the 48th Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.****1987 • NTIS PB 88208111 \$114**

Summary of research into the biological, behavioral, and chemical bases of drug abuse.

Research Monograph 77**Adolescent Drug Abuse: Analyses of Treatment Research****1988 • NTIS PB 89125488 \$47.50**

Presents an overview of adolescent drug abuse treatment research and points out the many difficulties associated with adolescent clinical studies. Reviews research on various steps in the treatment process—assessment, treatment selection, treatment delivery, and aftercare.

Research Monograph 78**The Role of Neuroplasticity in the Response to Drugs****1987 • NTIS PB 88245683 \$68.50**

Reviews research on how the nervous system can alter its response to drugs. Summarizes studies of the nervous system both during development, when it is most vulnerable to drug effects, and during adulthood, when drugs tend to have more limited and specific effects.

Research Monograph 79**Structure-Activity Relationships of the Cannabinoids****1987 • NTIS PB 89109201 \$68.50**

Presents research on methods in which changing the molecular structures of natural cannabinoids and their synthetic analogs alters their effects.

Research Monograph 80**Needle Sharing Among Intravenous Drug Abusers: National and International Perspectives****1988 • NTIS PB 88236138 \$64**

Describes a variety of programs and policies being used in various U.S. cities and in Western Europe to reduce the risk of intravenous drug users spreading HIV through the sharing of needles and other equipment.

Research Monograph 81**Problems of Drug Dependence, 1987: Proceedings of the 49th Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.****1988 • NTIS PB 89109227 \$141**

Presents abstracts and reports on a wide range of issues from the 1987 CPDD Meeting on drug dependence.

Research Monograph 82**Opioids in the Hippocampus****1988 • NTIS PB 88245691 \$52**

Reviews research on the location and functions of opioid peptides and their receptors in the hippocampal area of the brain. Pinpoints gaps in knowledge, controversies, and directions for further research.

Research Monograph 83**Health Hazards of Nitrite Inhalants****1988 • NTIS PB 89125496 \$47.50**

Discusses research on the use and effects of nitrite inhalants and their effects alone or in combination with other drugs of abuse. Describes nitrite inhalants' association with Kaposi's sarcoma in AIDS.

Research Monograph 84**Learning Factors in Substance Abuse****1988 • NTIS PB 89125504 \$68.50**

Discusses the role of learning—behavior changes due to experience—in drug taking, drug abuse, treatment, relapse, and even the drug economy. Shows how drugs “teach” the body and nervous system to react to certain events in new and sometimes life-threatening ways.

Research Monograph 85**Epidemiology of Inhalant Abuse: An Update**

1988 • NTIS PB 89123178 \$64

Discusses the abuse of volatile solvents, aerosols, and anesthetics. Identifies populations most at risk, and discusses various approaches to control, prevention, and intervention.

Research Monograph 86**Compulsory Treatment of Drug Abuse: Research and Clinical Practice**

1988 • NTIS PB 89151997 \$74

Explores the efficacy of compulsory treatment for drug abusers. Includes studies on the influence of coercion on a variety of treatment outcomes, as well as the costs and potential benefits of compulsory treatment.

Research Monograph 87**Opioid Peptides: An Update**

1988 • NTIS PB 2004105754 \$59

Presents information on design and synthesis of analgesic agents, conformation analysis, and mechanisms of analgesia.

Research Monograph 88**Mechanisms of Cocaine Abuse and Toxicity**

1988 • NTIS PB 89125512 \$86.50

Reviews advances in knowledge of cocaine's biological and physiological actions, identifies brain regions involved in cocaine's effects, discusses acute and chronic toxicity of cocaine use, and identifies directions for future research.

Research Monograph 89**Biological Vulnerability to Drug Abuse**

1988 • NTIS PB 89125520 \$59.50

Discusses strategies for identifying genetic factors in drug abuse and implications for treatment and prevention. Presents findings based in part on family, twin, and adoption studies and studies of groups at high risk for drug abuse.

Research Monograph 90**Problems of Drug Dependence, 1988: Proceedings of the 50th Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.**

1988 • Available only on the NIDA Web site.

Reports on the 50th annual meeting of the Committee on Problems of Drug Dependence (CPDD) held in June 1988. Investigators from many disciplines presented their research ranging from the biochemistry of the neuron to the clinical treatment of drug-dependent patients.

Research Monograph 91**Drugs in the Workplace: Research and Evaluation Data**

1989 • NTIS PB 90147257 \$84

Describes drug abuse research and evaluation activities in the work environment. Studies include prevalence of drug use by the workforce, drug use and job performance, and workplace-based efforts to prevent drug use and treat drug abusers.

Research Monograph 92**Testing for Abuse Liability of Drugs in Humans**

1989 • NTIS PB 90148933 \$94.50

Contains methodologies available for testing drugs in humans and conclusions about abuse liability and dependence potential. Assesses methods for evaluating drugs in human subjects and describes advantages and limitations of each approach.

Research Monograph 93**AIDS and Intravenous Drug Abuse: Future Directions for Community-Based Prevention Research**

1990 • NTIS PB 90148941 \$81

Presents successful models in prevention/outreach for AIDS education for drug abusers and training for drug treatment personnel. Describes strengths and weaknesses of the programs and the salient issues to consider when establishing such a program.

Research Monograph 94**Pharmacology and Toxicology of Amphetamine and Related Designer Drugs**

1989 • NTIS PB 90148958 \$89.50

Summarizes research findings on the neuronal mechanisms through which the amphetamines produce their effects, and develops a consensus regarding future directions that may lead to better characterizations of the effects of these drugs on various physiological parameters.

Research Monograph 95**Problems of Drug Dependence, 1989: Proceedings of the 51st Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.**

1990 • NTIS PB 90237660 \$152.50

Discusses research into the biological, behavioral, and chemical bases of drug abuse. This report includes symposium papers on medication development programs, methadone maintenance programs, opiates and chronic pain, and urine testing.

Research Monograph 96**Drugs of Abuse: Chemistry, Pharmacology, Immunology, and AIDS**

1990 • NTIS PB 90237678 \$74

A technical review of research in the fields of pharmacology, medicinal chemistry, and immunology, as they relate to the effects of drug abuse on the immune system.

Research Monograph 97**Neurobiology of Drug Abuse: Learning and Memory**

1990 • NTIS PB 90237686 \$74

Assesses the available model systems and research on the neurobiology of learning and memory as it relates to the study of drug abuse.

Research Monograph 98**The Collection and Interpretation of Data From Hidden Populations**

1990 • NTIS PB 90237694 \$52

Explores qualitative approaches to the study of drug abuse among “hidden” populations. Focuses primarily on ethnographic research designs.

Research Monograph 99**Research Findings on Smoking of Abused Substances**

1990 • NTIS PB 91141119 \$59.50

Examines the pharmacological and toxicological effects and the pharmacokinetic and behavioral characteristics of smoking abused substances.

Research Monograph 100**Drugs in the Workplace: Research and Evaluation Data, Volume II**

1991 • NTIS PB 92146232 \$68.50

Contains a discussion of reports and studies presented at the 1989 “Drugs in the Workplace Conference.” Papers discuss the nature and extent of the problems of drugs in the workplace, drug use and job performance indicators, and Drug-Free Workplace Program research.

Research Monograph 101**Residual Effects of Abused Drugs on Behavior**

1990 • NTIS PB 91172858 \$54.50

Evaluates the state of knowledge on the residual effects of chronic substance abuse on behavior, and fosters an interdisciplinary research effort to study and understand long-term drug effects involving both laboratory researchers and clinicians.

Research Monograph 102**Anabolic Steroid Abuse**

1990 • NTIS PB 91172866 \$74

Discusses whether anabolic steroids possess abuse potential and whether they play a role in the abuse of other substances. Includes a historical overview of the discovery and development of anabolic steroids, a critical evaluation of their performance-enhancing effects, and an ethnographic study of anabolic steroid abuse in New York City.

Research Monograph 103**Drugs and Violence: Causes, Correlates, and Consequences**

1990 • NTIS PB 91172841 \$78.50

Reports findings from a variety of studies on aspects of the drug and violence nexus.

Research Monograph 104**Psychotherapy and Counseling in the Treatment of Drug Abuse**

1990 • NTIS PB 91172874 \$47.50

Describes the methodological problems in doing psychotherapy and counseling research and the strategies researchers can use in dealing with those methodological problems.

Research Monograph 105**Problems of Drug Dependence, 1990: Proceedings of the 52th Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.**

1990 • NTIS PB 91198044 \$152.50

A compilation of research findings, opinions, and experiences told by experts in the fields of drug abuse prevention, treatment, and research. This collection of papers, presented at the 1990 CPDD meeting, discusses a variety of topics including the use of animals in research, opiate research, diagnosis, symptomology, treatment of drug abuse, and HIV infection and AIDS.

Research Monograph 106**Improving Drug Abuse Treatment**

1991 • NTIS PB 92105873 \$94.50

Discusses the various issues, problems, and successes of treatment services and research in the 1990s.

Research Monograph 107**Drug Abuse Prevention Intervention Research: Methodological Issues**

1991 • NTIS PB 92160985 \$78.50

Examines and suggests various methodological approaches to prevention intervention.

Research Monograph 108**Cardiovascular Toxicity of Cocaine: Underlying Mechanisms**

1991 • NTIS PB 92106608 \$68.50

Discusses the potential sites of cocaine's cardiovascular actions and the possible mechanisms underlying these cardiac events in various animal models and in human tissues.

Research Monograph 109**Longitudinal Studies of HIV Infection in Intravenous Drug Users: Methodological Issues in Natural History Research**

1991 • NTIS PB 92106616 \$52

Reviews the natural history of HIV infection and AIDS in drug-abusing populations. Examines the many factors that impact the disease's acquisition, progression, and termination.

Research Monograph 110**Epidemiology of Cocaine Use and Abuse**

1991 • NTIS PB 92146240 \$84

Discusses the trends of cocaine use, health, and social consequences related to cocaine use and abuse, natural history of cocaine abuse, predisposing factors for cocaine users, and the economics and distribution of cocaine.

Research Monograph 111**Molecular Approaches to Drug Abuse Research: Volume I, Receptor Cloning, Neurotransmitter Expression, and Molecular Genetics**

1991 • NTIS PB 92135748 \$68.50

Examines progress made in drug abuse research through molecular approaches. Reviews technological advances and introduces promising research in the fields of molecular biology and molecular genetics and other relevant research areas.

Research Monograph 112**Emerging Technologies and New Directions in Drug Abuse Research**

1991 • NTIS PB 92155449 \$84

Discusses the impact of technological advances on drug abuse research. Focuses on innovative methods that could alter directions and applications of research on drugs of abuse.

Research Monograph 113**Economic Costs, Cost-Effectiveness, Financing, and Community-Based Drug Treatment**

1991 • NTIS PB 92155795 \$68.50

Discusses the role of health services research in assisting the Nation to improve the delivery of basic drug abuse treatment. It examines the methodology of cost-of-illness estimates and reviews cost-effectiveness and benefit-cost studies as linked to the development of the research agenda.

Research Monograph 114**Methodological Issues in Controlled Studies on Effects of Prenatal Exposure to Drugs of Abuse**

1991 • NTIS PB 92146216 \$89.50

Provides a summary of controlled studies conducted to identify the prenatal effects of drugs on behavioral, intellectual, and physical development of drug-exposed infants and the reproductive outcome in the addicted mother.

Research Monograph 115**Methamphetamine Abuse: Epidemiologic Issues and Implications**

1991 • NTIS PB 92146224 \$47.50

Discusses the resurgence of methamphetamine use and addresses issues including patterns and trends of use; physical and biochemical properties of the drug; characteristics of the abusing population; and the manufacturing, marketing, and distribution of the drug throughout the world.

Research Monograph 116**Drug Discrimination: Applications to Drug Abuse Research**

1991 • NTIS PB 94169471 \$94.50

Addresses the techniques and findings of experiments that analyze how organisms discriminate drugs from other substances.

Research Monograph 117**Methodological Issues in Epidemiological, Prevention, and Treatment Research on Drug-Exposed Women and Their Children**

1992 • NTIS PB 93102101 \$94.50

Considers the effects of prenatal exposure to drugs; physical and behavioral aspects of the mother, child, and their relation to each other; intervention issues; and legal issues relating to substance-abusing women and their children.

Research Monograph 118**Drug Abuse Treatment in Prisons and Jails**

1992 • NTIS PB 93102143 \$81

Provides an overview of drug abuse treatment programs in prisons and jails and incorporates HIV information relative to this population. Special issues such as diagnosis, assessment, case management, and future directions, are also discussed.

Research Monograph 119**Problems of Drug Dependence, 1991: Proceedings of the 53rd Annual Scientific Meeting, the Committee on Problems of Drug Dependence, Inc.**

1992 • NTIS PB 93126670 \$152.50

Comprises a review of research from many disciplines in drug abuse and drug dependence. Discusses a wide range of topics, from prenatal exposure and AIDS to withdrawal and drug treatment medications.

Research Monograph 120**Bioavailability of Drugs to the Brain and Blood-Brain Barrier**

1992 • NTIS PB 92214956 \$74

Demonstrates the importance of the blood-brain barrier in understanding drug addiction, and affirms that the various roles of the blood-brain barrier must be understood to fully comprehend how drugs affect the central nervous system and the treatment of drug abuse.

Research Monograph 121**Buprenorphine: An Alternative Treatment for Opioid Dependence**

1992 • NTIS PB 93129781 \$52

Addresses aspects of the problems of drug abuse by focusing on the development and early research findings of buprenorphine for the treatment of opioid dependence and addiction.

Research Monograph 122

Currently out of print.

Research Monograph 123**Acute Cocaine Intoxication: Current Methods of Treatment**

1992 • NTIS PB 94115433 \$59.50

Provides an overview of methods used to treat acute intoxication from cocaine. Examines the cardiovascular and cerebrovascular effects of cocaine; and the adverse effects of using other drugs with cocaine.

Research Monograph 124**Neurobiological Approaches to Brain-Behavior Interaction**

1992 • NTIS PB 93203834 \$74

Discusses the correlations between brain changes due to drug use and behavioral events. Reviews techniques and methodologies for studying the brain mechanisms that modify behavior. Also examines advances in technology and methodologies.

Research Monograph 125**Activation of Immediate Early Genes by Drugs of Abuse**

1993 • NTIS PB 94169489 \$64

Discusses the effects of drugs of abuse on the class of genes known as immediate-early genes and methodologies for studying this area.

Research Monograph 126**Molecular Approaches to Drug Abuse Research: Volume II, Structure, Function, and Expression**

1992 • NTIS PB 94169497 \$52

Summarizes progress in drug abuse research achieved through molecular approaches; reviews relevant advances in the field of molecular biology and genetics.

Research Monograph 127**Progress and Issues in Case Management**

1992 • NTIS PB 94169505 \$94.50

Discusses research studies on case management in the areas of street outreach, treatment, waiting list-reduction, and criminal justice. Suggests various models of case management and their benefits.

Research Monograph 128**Statistical Issues in Clinical Trials for Treatment of Opiate Dependence**

1992 • NTIS PB 93203826 \$59.50

Discusses methods in design and conduct of clinical trials for treatment of opiate dependence. Addresses issues of scientific analysis of clinical trials.

Research Monograph 129**Inhalant Abuse:
A Volatile Research Agenda**

1992 • NTIS PB 93183119 \$84

Reviews all areas related to solvent abuse—social and abuse patterns, clinical evaluation of psychological and physiological symptoms and disease states, treatment, pharmacology, toxicity, prevention, legal, and economic issues.

Research Monograph 130**Drug Abuse Among Minority Youth: Methodological Issues and Recent Research Advances**

1993 • NTIS PB 94169513 \$86.50

Provides the latest information on the patterns, causes, and consequences among minority individuals. Discusses how to improve the collection of data when conducting drug abuse research among minority at-risk populations.

Research Monograph 131**Impact of Prescription Drug Diversion Control Systems on Medical Practice and Patient Care**

1993 • NTIS PB 94169521 \$84

Discusses the impact of prescription drug abuse on public health, the systems in place to minimize abuse, and its impact on patient care. Focuses on gaps in the ability to evaluate diversion control systems.

Research Monograph 132**Problems of Drug Dependence, 1992: Proceedings of the 54th Annual Scientific Meeting, the College on Problems of Drug Dependence, Inc.**

1993 • NTIS PB 94115508 \$141

This issue summarizes a wide range of drug abuse research topics—from prenatal exposure and AIDS to dependence, withdrawal, and treatment medications.

Research Monograph 133**Sigma, PCP, and NMDA Receptors**

1993 • NTIS PB 94169539 \$74

Includes information on the pharmacological characteristics of sigma, PCP, and NMDA-preferring glutamate receptors. The properties and the functional role these drugs and receptors play on biology and behavior are also analyzed in detail.

Research Monograph 134**Medications Development: Drug Discovery, Databases, and Computer-Aided Drug Design**

1993 • NTIS PB 94169547 \$81

Discusses the drug discovery process and techniques and technologies used to develop medications for drug abuse treatment.

Research Monograph 135**Cocaine Treatment: Research and Clinical Perspectives**

1993 • NTIS PB 94169554 \$78.50

Explores major issues in the treatment of cocaine abuse and dependence. Reviews available findings from studies of treatment, and sets forth recommendations for research and practice.

Research Monograph 136**Assessing Neurotoxicity of Drugs of Abuse**

1993 • NTIS PB 94169562 \$78.50

Discusses a variety of methodologies that are used in research on the neurotoxicity of several abused substances including amphetamine and its congeners, tetrahydrocannabinol, and phencyclidine.

Research Monograph 137**Behavioral Treatments for Drug Abuse and Dependence**

1993 • NTIS PB 94169570 \$84

Provides both clinicians and researchers in the field of drug abuse with information, techniques, and procedures regarding behavioral treatments for drug dependence.

Research Monograph 138**Imaging Techniques in Medications Development: Preclinical and Clinical Aspects**

1994 • NTIS PB 94208030 \$59.50

Reviews imaging techniques such as PET, SPECT, and MRI, with special emphasis on imaging of neural receptors.

Research Monograph 139**Scientific Methods for Prevention Intervention Research**

1994 • NTIS PB 94208048 \$78.50

Addresses theoretical, methodological, and analytical rigor in the design and conduct of prevention intervention research, particularly with minorities.

Research Monograph 140**Problems of Drug Dependence, 1993: Volume I, Proceedings of the 55th Annual Scientific Meeting, the College on Problems of Drug Dependence, Inc., Plenary Session Symposia and Annual Reports**

1994 • NTIS PB 94208014 \$81

Contains papers presented at the 55th Annual Scientific Meeting. Topics include opioid and cannabinoid receptors, innovative treatment approaches, tolerance and sensitization to opioids and cocaine, and hallucinogens.

Research Monograph 141**Problems of Drug Dependence, 1993: Volume II, Abstracts**

1994 • NTIS PB 94208022 \$117

Comprises a review of research abstracts from many disciplines in drug abuse and drug dependence. Topics include smoking, alcohol, cocaine dependence, and tolerance.

Research Monograph 142**Advances in Data Analysis for Prevention Intervention Research**

1994 • NTIS PB 97101190 \$103.50

Discusses statistical techniques and methodological issues relevant to prevention intervention research. Provides general, introductory, as well as technically detailed descriptions for a variety of methodological procedures.

Research Monograph 143**Context of HIV Risk Among Drug Users and Their Sexual Partners**

1994 • NTIS PB 97101182 \$78.50

Reviews research examining the effects of the social and environmental context on risk behaviors and risk avoidance associated with HIV transmission.

Research Monograph 144**Therapeutic Community: Advances in Research and Application**

1994 • NTIS PB 97101174 \$84

Examines research on the therapeutic community (TC) approach to substance abuse treatment. TC emphasizes a social treatment perspective that focuses on re-socializing the client and the use of community as an agent of personal change.

Research Monograph 145**Neurobiological Models for Evaluating Mechanisms Underlying Cocaine Addiction**

1994 • NTIS PB 97109490 \$68.50

Presents models used in animal and human studies for evaluating the neurobiological basis of cocaine addiction. Among the models discussed are self-administration, brain–stimulation reward, discriminative stimulus effects, and conditioned effects. Evidence for the role of dopamine and serotonin in mediating different components of addiction is also critically evaluated.

Research Monograph 146**Hallucinogens: An Update**

1994 • NTIS PB 97102537 \$84

Presents a complete survey of animal and human hallucinogen research. Discusses the regulatory issues involved in human investigations. Highlights challenges and opportunities and identifies future research needs.

Research Monograph 147**Discovery of Novel Opioid Medications**

1995 • NTIS PB 97102529 \$84

Reviews the pharmacology, neuropharmacology, and molecular biology of potential pharmacotherapies for addiction to opioids, novel opioids, and nonopioids.

Research Monograph 148**Epidemiology of Inhalant Abuse: An International Perspective**

1995 • NTIS PB 97101208 \$84

Describes the epidemiology of inhalant use and abuse in the United States and in selected countries. Also describes unique problems associated with investigations of inhalant abuse and suggests methodologies that might be utilized to investigate the high-risk, difficult-to-reach groups who abuse inhalants.

Research Monograph 149**Medications Development for the Treatment of Pregnant Addicts and Their Infants**

1995 • Available only on the NIDA Web site.

Contains scientists' presentations on medications development for pregnant addicts and their infants.

Research Monograph 150**Integrating Behavioral Therapies With Medications in the Treatment of Drug Dependence**

1994 • NTIS PB 97102552 \$64

Presents research findings, techniques, and procedures for integrating psychosocial and pharmacological treatments.

Research Monograph 151**Social Networks, Drug Abuse, and HIV Transmission**

1995 • NTIS PB 97102545 \$74

Brings together research in the areas of drug treatment and prevention. Researchers offer theoretical and methodological alternatives to traditional behavioral epidemiology based on individual drug users, by applying network analysis to the problems of drug abuse and HIV infection.

Research Monograph 152**Problems of Drug Dependence, 1994: Proceedings of the 56th Annual Scientific Meeting, The College on Problems of Drug Dependence, Inc., Volume I**

1995 • NTIS PB 97101158 \$74

Contains the plenary session symposia and annual reports as presented at the 56th annual CPDD meeting.

Research Monograph 153**Problems of Drug Dependence, 1994: Proceedings of the 56th Annual Scientific Meeting, The College on Problems of Drug Dependence, Inc., Volume II**

1995 • NTIS PB 97101166 \$141

Volume II contains abstracts from presentations at the 56th annual CPDD meeting, which provide a review of research in progress on drug abuse.

Research Monograph 154**Membranes and Barriers: Targeted Drug Delivery**

1995 • NTIS PB 96106265 \$74

Discusses the ability of drugs to effectively cross various membrane barriers and reach the receptors to produce biological effects. Discusses modern design techniques that make it possible to selectively deliver drugs to a specific target.

Research Monograph 155**Reviewing the Behavioral Science Knowledge Base on Technology Transfer**

1995 • NTIS PB 96113931 \$78.50

Contains the development of technology transfer strategies, setting them in the larger context of partnership efforts with community constituencies and overall changes in healthcare and information technology.

Research Monograph 156**Adolescent Drug Abuse: Clinical Assessment and Therapeutic Interventions**

1995 • NTIS PB 96113949 \$89.50

Presents an overview of clinical assessment procedures, service delivery strategies, and therapeutic interventions designed specifically for youth. Special attention is given to drug-related medical problems, cultural issues, and family involvement.

Research Monograph 157**Qualitative Methods in Drug Abuse and HIV Research**

1995 • NTIS PB 96120548 \$74

Emphasis is on the use of innovative ethnographic methods of accessing hidden populations, target sampling, identifying drug use and HIV/AIDS risk behaviors, developing culturally appropriate risk reduction messages, implementing interventions, and evaluating program results.

Research Monograph 158**Biological Mechanisms and Perinatal Exposure to Drugs**

1995 • NTIS PB 96117411 \$68.50

Reviews research findings in the area of perinatal exposure to abused drugs and its effect on various biological systems during development.

Research Monograph 159**Individual Differences in the Biobehavioral Etiology of Drug Abuse**

1996 • NTIS PB 96178363 \$89.50

Explores directions for research development in the biobehavioral etiology of substance abuse. Addresses the genetic bases, neurophysiological correlates, and neurochemical factors underlying drug abuse risk and resistance.

Research Monograph 160

Currently out of print.

Research Monograph 161

Molecular Approaches to Drug Abuse Research: Volume III, Recent Advances and Emerging Strategies

1996 • NTIS PB 96177472 \$74

Presents research of NIDA's Molecular Biology and Genetics program. Presents studies on transgenic models and other genetic approaches, opioid receptors, and three families of transporters. Explores future directions in understanding the molecular mechanisms underlying drug addiction.

Research Monograph 162

Problems of Drug Dependence, 1995: Proceedings of the 57th Annual Scientific Meeting, The College on Problems of Drug Dependence, Inc.

1996 • NTIS PB 97160295 \$111.50

Contains papers adapted from the symposium meetings and plenary sessions held at the 57th Annual Scientific Meeting.

Research Monograph 163

Neurotoxicity and Neuropathology Associated with Cocaine Abuse

1996 • NTIS PB 96177936 \$86.50

Describes clinical, biochemical, physiological, and psychological aspects of neurotoxicity and neuropathology associated with abuse of cocaine and other psychostimulants, and proposes placing stimulant dependence in the category of neurological disorders, in addition to the class of psychiatric disorders.

Research Monograph 164

Behavioral Studies of Drug-Exposed Offspring: Methodological Issues in Human and Animal Research

1996 • NTIS PB 96177944 \$84

Discusses the possible adverse behavioral effects of prenatal drug exposure on the neonate and developing child. Addresses many complex methodological issues that challenge research in this field.

Research Monograph 165

Beyond the Therapeutic Alliance: Keeping the Drug-Dependent Individual in Treatment

1997 • NTIS PB 97186829 \$78.50 • GPO 017-024-01648-9 \$24

Reviews treatment research on the best ways to retain patients in drug dependence treatment and guides clinical researchers on how to deal with the issue.

Research Monograph 166

Treatment for Drug-Exposed Women and Children: Advances in Research Methodology

1996 • NTIS PB 96179106 \$86.50

Presents experiences, products, and procedures associated with NIDA-supported Perinatal-20 Treatment Research Demonstration Program projects. Describes their efforts to expand clinical sites and implement services research protocols.

Research Monograph 167

The Validity of Self-Reported Drug Use: Improving the Accuracy of Survey Estimates

1997 • NTIS PB 97175889 \$114 • GPO 017-024-01607-1 \$40

Examines research on validity using internal or external criteria and examines methodological advances that can contribute to improved estimates of drug use in surveys.

Research Monograph 168

Rural Substance Abuse: State of Knowledge and Issues

1997 • NTIS PB 97180814 \$117

Provides significant information about the aspects of rural communities, particularly relative to urban settings, that might affect patterns of alcohol and drug consumption and the delivery of services to prevent and treat alcohol and drug abuse.

Research Monograph 169

Laboratory Behavioral Studies of Vulnerability to Drug Abuse

1998 • NTIS PB 98138936 \$78.50

Reviews comprehensive information on methodological and paradigmatic issues, as well as recommendations for future research directions in the field of behavioral laboratory research on vulnerability to drug abuse.

Research Monograph 170

Meta-Analysis of Drug Abuse Prevention Programs

1997 • NTIS PB 97154629 \$81

Informs the drug abuse prevention community of advances in research integration methods and scientific findings about prevention programs.

Research Monograph 171

Currently out of print.

Research Monograph 172

Treatment of Drug-Dependent Individuals With Comorbid Mental Disorders

1997 • NTIS PB 97186829 \$64

Reports treatment research on individuals with comorbid mental and addictive disorders and research on HIV-related issues among people with comorbid conditions.

Research Monograph 173

Pharmacokinetics, Metabolism, and Pharmaceutics of Drugs of Abuse

1997 • NTIS PB 97181572 \$84

Describes research on metabolism, pharmacokinetics, and pharmacodynamics of drugs of abuse. Addresses the ability of the drugs to cross membrane barriers and reach receptors effectively according to the nature of the drug moiety.

Research Monograph 174

Problems of Drug Dependence, 1996: Proceedings of the 58th Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
1997 • NTIS PB 97160295 \$111.50

Contains materials not duplicated in any other publication. Provides information on findings of preclinical and clinical research written by the participants at the 58th Annual Scientific Meeting.

Research Monograph 175

Medication Development for the Treatment of Cocaine Dependence: Issues in Clinical Efficacy Trials
1997 • NTIS PB 98116213 \$86.50

Provides an overview of the rationale for pharmacotherapeutic approaches as well as issues critical to the design, implementation, analysis, and interpretation of clinical efficacy trials for cocaine medication.

Research Monograph 176

Cost-Benefit/Cost-Effectiveness Research of Drug Abuse Prevention: Implications for Programming and Policy
1998 • NTIS PB 98159890 \$74 • GPO 017-024-01626-8 \$13.50

Discusses methodologic and analytic developments in conducting cost and cost-effectiveness studies. Assesses the implications of these studies for the development of evidence-based drug abuse prevention in the future.

Research Monograph 177

Drug Abuse Prevention Through Family Interventions
1998 • NTIS PB 99124315 \$117

Based on papers from the technical review, "Drug Abuse Prevention Through Family Interventions" held on January 25–26th, 1996, which recognized the primary role of the family in preventing drug abuse.

Research Monograph 178

Problems of Drug Dependence, 1997: Proceedings of the 59th Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
1997 • NTIS PB 98157001 \$114

Reviews presentations on the problems of drug dependence from the 59th Annual Scientific Meeting.

Research Monograph 179

Problems of Drug Dependence, 1998: Proceedings of the 60th Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
1999 • NTIS PB 9143109 \$100

This document details presentations on the problems of drug dependence from the 60th Annual Scientific Meeting held in Scottsdale, Arizona, June 12–17, 1998.

Research Monograph 180

Problems of Drug Dependence, 1999: Proceedings of the 61st Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
1999 • NTIS PB 2000106384 \$111.50

Presentations on the problems of drug dependence at the 61st Annual Scientific Meeting held in Acapulco, Mexico, June 12–17, 1999.

Research Monograph 181

Problems of Drug Dependence, 2000: Proceedings of the 62nd Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
2001 • NTIS PB 2001104757 \$59

Details various presentations on the problems of drug dependence at the 62nd Annual Scientific Meeting held in San Juan, Puerto Rico, on June 17–22, 2000.

Research Monograph 182

Problems of Drug Dependence, 2001: Proceedings of the 63rd Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
2002 • NTIS PB 2002106779 \$59

Contains research materials from the 63rd Annual Scientific Meeting held in Scottsdale, Arizona, on June 16–21, 2001.

Research Monograph 183

Problems of Drug Dependence, 2002: Proceedings of the 64th Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
2003 • NTIS PB 2003104549 \$64.50

Provides presentations on the problems of drug dependence from the 64th Annual Scientific Meeting held in Quebec City, Canada, on June 8–13, 2002.

Research Monograph 184

Problems of Drug Dependence, 2003: Proceedings of the 65th Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
2004 • NTIS PB 2005100305 \$62.50

Details the presentations on the problems of drug dependence at the 65th Annual Scientific Meeting held in Bal Harbour, Florida, on June 14–19, 2003.

Research Monograph 185

Problems of Drug Dependence, 2004: Proceedings of the 66th Annual Scientific Meeting of the College on Problems of Drug Dependence, Inc.
2005 • NTIS PB 2005106541 \$111.50

Reviews the presentations on the problems of drug dependence at the 66th Annual Scientific Meeting held in San Juan, Puerto Rico, on June 12–17, 2004.

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National Institutes of Health
6001 Executive Boulevard, Room 5213
Bethesda, MD 20892-9561

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