



Online Ethics Center
FOR ENGINEERING AND SCIENCE

Academies Reports Related to Research Ethics

Author(s)

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Description

A list of key reports from the National Academies and other major scientific associations in the area of research ethics.

Body

[Access to Research Data in the 21st Century: An Ongoing Dialogue Among Interested Parties](#) (2002)

A report looking at public access to research data.

[Animal Research in a Global Environment: Meeting the Challenges](#) (2011)

A report examining ethical issues involved in meeting the increasing demand for animal research subjects globally, and the challenge of conducting animal research internationally.

[Assuring Data Quality and Validity in Clinical Trials for Regulatory Decision Making: Workshop Report](#) (1999)

This IOM report of the workshop summarizes the present status and highlights possible strategies for making improvements in the quality of data from clinical trials

used for regulatory decision-making.

[Challenges and Opportunities in Using Residual Newborn Screening Samples for Translational Research: Workshop Summary](#) (2010)

Newborn screening samples are used to test more than 4 million infants each year for life-threatening diseases that are treatable if found at birth. These specimens also represent a potentially invaluable resource for public health and biomedical research. The IOM held a workshop to examine issues surrounding the use of residual specimens for translational research.

[Chimpanzees in Biomedical and Behavioral Research](#) (2011)

A report looking at the scientific necessity of using chimpanzees in research, and well as potential alternatives to their use.

[Conducting Biosocial Surveys: Collecting, Storing, Accessing, and Protecting Biospecimens and Biodata](#) (2010)

A report that discusses ethical issues raised by the collection and use of biospecimens by social scientists.

[Conflict of Interest and Medical Innovation: Ensuring Integrity While Facilitating Innovation in Medical Research](#) (2014)

This is the summary of a workshop convened by the Institute of Medicine Roundtable on Translating Genomic-Based Research for Health in June 2013 to explore the appropriate balance between identifying and managing conflicts of interest and advancing medical innovation.

[Conflict of Interest in Medical Research, Education, and Practice](#) (2009)

This report provides a comprehensive look at conflict of interest in medicine. It offers principles to inform the design of policies to identify, limit, and manage conflicts of interest without damaging constructive collaboration with industry.

[Data Matters – Ethics, Data, and International Research Collaboration in a Changing World: Proceedings of a Workshop](#) (2018)

This report explores, through an ethical lens, the changing opportunities and risks associated with data management and use across disciplinary domains—all within the context of international research agreements.

[Developing Capacities for Teaching Responsible Science in the MENA Region: Refashioning Scientific Dialogue](#) (2013)

This report describes efforts to address dual use issues by developing institutes around the world that will help life sciences faculty learn to teach about the responsible conduct of science. Based on the successful National Academies Summer Institute for Undergraduate Biology Education and on previous NRC reports on effective methods for teaching about dual use issues, the report's authoring committee designed a general framework for the faculty institutes and chose the Middle East-North Africa (MENA) region to test a prototype faculty institute.

[Doing Global Science: A Guide to Responsible Conduct in the Global Research Enterprise](#) (2016)

This concise introductory guide explains the values that should inform the responsible conduct of scientific research in today's global setting. An excellent choice for background reading for a research ethics course.

[Education and Training in the Care and Use of Laboratory Animals: A Guide for Developing Institutional Programs](#) (1991)

The volume provides content information for required topics--from ethics to record keeping--and lists sources of additional publications, audiovisual programs, and computerized teaching aids.

[Ensuring the Integrity, Accessibility, and Stewardship of Research Data in the Digital Age](#) (2009)

[Ethical Considerations for Research Involving Prisoners](#) (2007)

Because prisoners face restrictions on liberty and autonomy, have limited privacy, and often receive inadequate health care, they require specific protections when involved in research, particularly in today's correctional settings. This report reviews the ethical considerations regarding research involving prisoners.

[Ethical Review and Oversight Issues in Research Involving Standard of Care Interventions - - workshop in brief](#) (2015)

On December 2-3, 2014, the Institute of Medicine's Board on Health Sciences Policy held a workshop to facilitate dialogue among stakeholders about the ethical issues surrounding study design and informed consent for regulated research studies involving standard of care interventions. This brief summary of the workshop provides highlights from the presentations and discussions.

[Ethics Education and Scientific and Engineering Research: What's Been Learned? What Should Be Done? Summary of a Workshop](#) (2009)

The workshop, summarized in this volume, discussed the social environment of science and engineering education; the need for ethics education for graduate students and postdoctoral fellows in science and engineering; models for effective programs; and assessment of approaches to ethics education, among other topics.

Fostering Integrity in Research

Improving Access to and Confidentiality of Research Data: Report of a Workshop

Integrity in Scientific Research: Creating an Environment That Promotes Responsible Conduct

International Animal Research Regulations: Impact on Neuroscience Research: Workshop Summary

On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition

Perspectives on Research with H5N1 Avian Influenza: Scientific Inquiry, Communication, Controversy: Summary of a Workshop

Practical Guidance on Science and Engineering Ethics Education for Instructors and Administrators: Papers and Summary from a Workshop December 12, 2012

Proposed Revisions to the Common Rule for the Protection of Human Subjects in the Behavioral and Social Sciences

Proposed Revisions to the Common Rule: Perspectives of Social and Behavioral Scientists: Workshop Summary □ Protecting Data Privacy in Health Services Research

Protecting Participants and Facilitating Social and Behavioral Sciences Research

Recognition and Alleviation of Pain in Laboratory Animals

Reproducibility Issues in Research with Animals and Animal Models

Research Ethics in Complex Humanitarian Emergencies: Summary of a Workshop

Research in the Life Sciences with Dual Use Potential: An International Faculty Development Project on Education About the Responsible Conduct of Science

Responsible Research with Biological Select Agents and Toxins

Responsible Research: A Systems Approach to Protecting Research Participants

[Responsible Science, Volume I: Ensuring the Integrity of the Research Process](#)

(1994)

Responsible Science is a comprehensive review of factors that influence the integrity of the research process. Volume I examines reports on the incidence of misconduct in science and reviews institutional and governmental efforts to handle cases of misconduct.

[Responsible Science, Volume II: Background Papers and Resource Documents](#) (1993)

Volume II of *Responsible Science* includes background papers and selected institutional reports, policies, and procedures that were used to develop Volume I. Topics discussed include traditions of mentorship in science; data handling practices in the biological sciences; academic policies and standards governing the conduct of research practices; congressional interest in issues of misconduct and integrity in science; the regulatory experience of human subjects research; and the roles of scientific and engineering societies in fostering research integrity.

[Safe Science: Promoting a Culture of Safety in Academic Chemical Research](#) (2014)

This report examines the culture of safety in research institutions and makes recommendations for university leadership, laboratory researchers, and environmental health and safety professionals to support safety as a core value of their institutions.

[Science, Medicine, and Animals: Teacher's Guide](#) (2005)

Science, Medicine, and Animals explains the role that animals play in biomedical research and the ways in which scientists, governments, and citizens have tried to balance the experimental use of animals with a concern for all living creatures. An accompanying Teacher's Guide is available.

[Sexual Harassment and Women: Climate, Culture, and Consequences in Academic Sciences, Engineering, and Medicine](#) (2018)

Sexual Harassment of Women explores the influence of sexual harassment in academia on the career advancement of women in the scientific, technical, and medical workforce.

[The Case for International Sharing of Scientific Data: A Focus on Developing Countries](#) (2012)

The theme of this international symposium is the promotion of greater sharing of

scientific data for the benefit of research and broader development, particularly in the developing world.

[The Responsible Conduct of Research in the Health Sciences](#) (1989)

Provides a report on how to design programs to help improve the responsible conduct of research in health sciences.

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Resource Type

Bibliography

Discipline(s)

Research Ethics