

Open Science Priorities and Next Steps:

Perspectives from NIH

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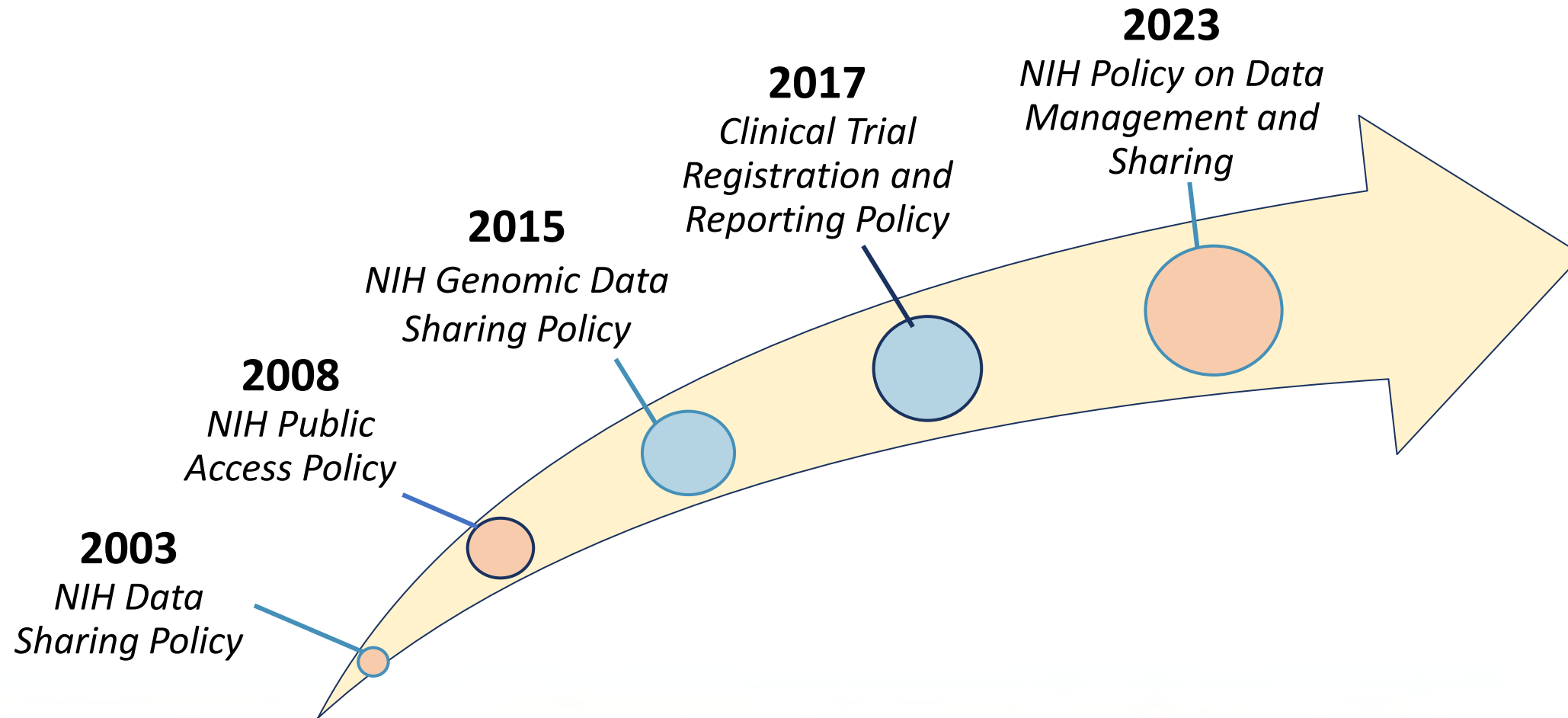
National Academies Roundtable on Aligning Incentives for Open Science

December 5, 2022



National Library of Medicine

NIH Support for Open Science



Support for Next Steps on Open Science

August 25, 2022

Statement on NIH plans to speed access to federally funded research results

Today, the White House Office of Science and Technology Policy (OSTP) issued [updated policy guidance](#) directing federal agencies to expedite access to results of federally funded research. NIH has long championed principles of transparency and accessibility in NIH-funded research and supports this important step by the Biden Administration.

Over the coming months, NIH will work expeditiously to develop and share its plans for implementing the OSTP policy guidance. NIH intends to work with interagency partners and stakeholders to revise its current [Public Access Policy](#) to enable researchers, clinicians, students, and the public to access NIH research results immediately upon publication. I am pleased to report that NIH's efforts to maximize access to scientific data are already underway through implementation of the new [NIH Policy for Data Management and Sharing](#) (DMS Policy), which takes effect on January 25, 2023. Through the DMS Policy, NIH clearly articulates that sharing scientific data is fundamental to accelerating biomedical research discovery. Our DMS Policy implementation efforts continue, and I encourage you to visit [sharing.nih.gov](#) for the latest updates and resources that NIH has developed to support our community of researchers and institutions.

We are enthusiastic to move forward on these important efforts to make research results more accessible and look forward to working together to strengthen our shared responsibility in making federally funded research results accessible to the public.

Resources:

- [OSTP Updates to Policy Guidance on Increasing Access to Federally Funded Research Results](#)
- [NIH Public Access Policy](#)
- [NIH Policy for Data Management and Sharing](#)
- [Sharing.nih.gov](#)

Lawrence A. Tabak, D.D.S., Ph.D.
Performing the Duties of the NIH Director

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Expediting Access to Results of Federally Funded Research

August 25, 2022

NLM stands ready to support NIH's implementation of updated policy guidance issued by the White House Office of Science and Technology Policy (OSTP) through NLM's PubMed Central (PMC) and other relevant data repositories.

PMC is NLM's free full-text archive of biomedical and life-sciences journal literature. PMC provides free public access to journal articles subject to the current [NIH Public Access Policy](#), as well as policies of other major HHS agencies (AHRQ, CDC, FDA), and other Federal agencies. PMC also contributes to efforts to improve access to related data: accepting small datasets published with articles and linking, where possible, to data in other widely used repositories.

NLM supports public accountability and open science, and we will continue to work with our partners to support their revised public access plans. NLM will continue to support the implementation of the updated policy and advance the effective stewardship of research data.

At this time, NIH policy and PMC submission practices remain consistent with current public access policies.

NLM stands ready to support NIH's implementation of updated policy guidance. . . NLM supports public accountability and open science

NIH Data Management and Sharing Policy

Effective January 25, 2023

Policy Basics

- Applies to all NIH-supported research generating scientific data
- Preparation of Data Management & Sharing Plan for all NIH-funded research
- Compliance with the NIH-approved Plan
- Share data no later than publication or end of award (for data underlying findings not published in peer-reviewed journals)
- Maximize data sharing, subject to ethical, legal, technical limitations

Supplemental Guidance

- [Elements of a Data Management and Sharing Plan \[NOT-21-014\]](#)
- [Selecting a Repository for Data Resulting from NIH-Supported Research \[NOT-21-016\]](#)
- [Allowable Costs for Data Management and Sharing \[NOT-21-015\]](#)
- [Protecting Privacy When Sharing Human Research Participant Data \[NOT-22-213\]](#)
- [Responsible Management and Sharing of American Indian/Alaska Native Participant Data \[NOT-22-214\]](#)

Engaging Libraries in Data Management and Sharing

[NNLM National Center for Data Services](#)

- Accelerate discovery and advance health by providing the tools for data driven research
- Build a workforce for data-driven research and health
- Support NIH priorities in the domains of data science, data services, and data governance.
- Develop capacity to conduct data science and/or deliver data services in the health information community
- Partner with other national data and/or health sciences organizations to maximize impact

NIH Data Management and Sharing On-Demand Series

Explore NIH's Data Management and Sharing Policy at your own pace in this on-demand series.

1. Introduction
2. Internal Outreach and Policy
3. Education
4. Infrastructure
5. Policy Recap

LEARN MORE ABOUT THE SERIES

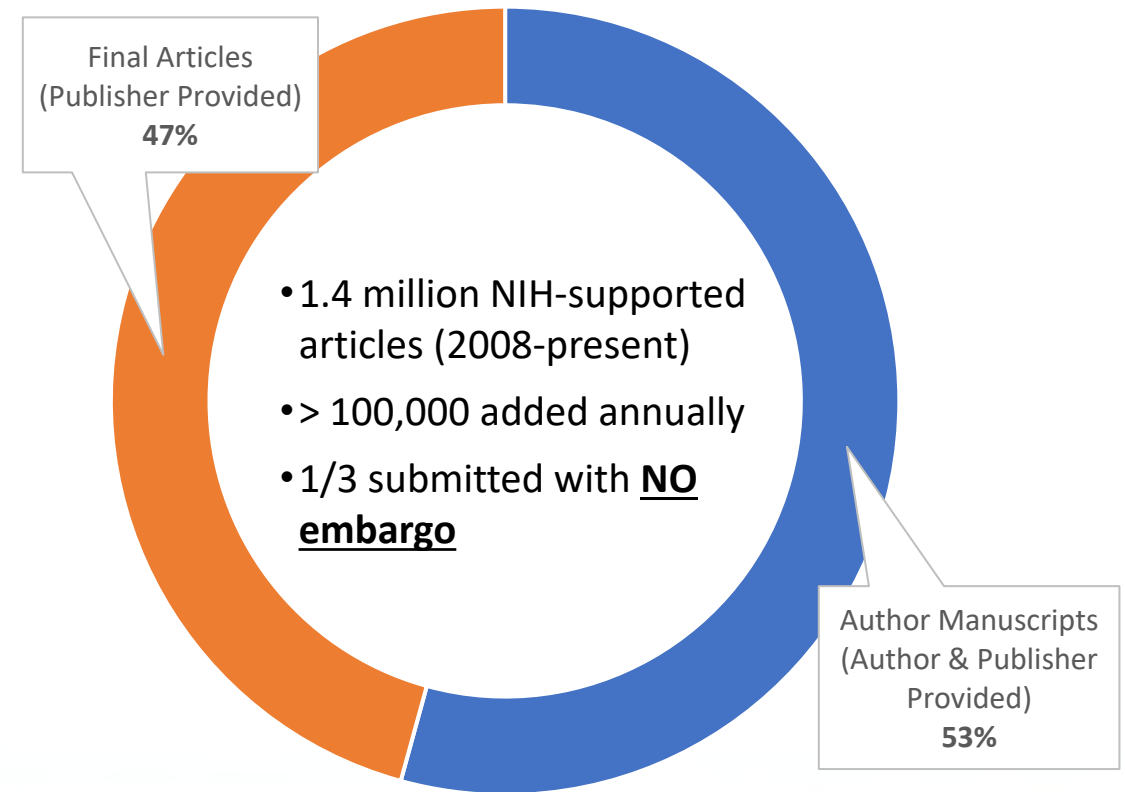
<https://nnlm.gov/training/class/data-management-sharing-policy-webinars-dmsp-demand>

NIH Public Access Policy

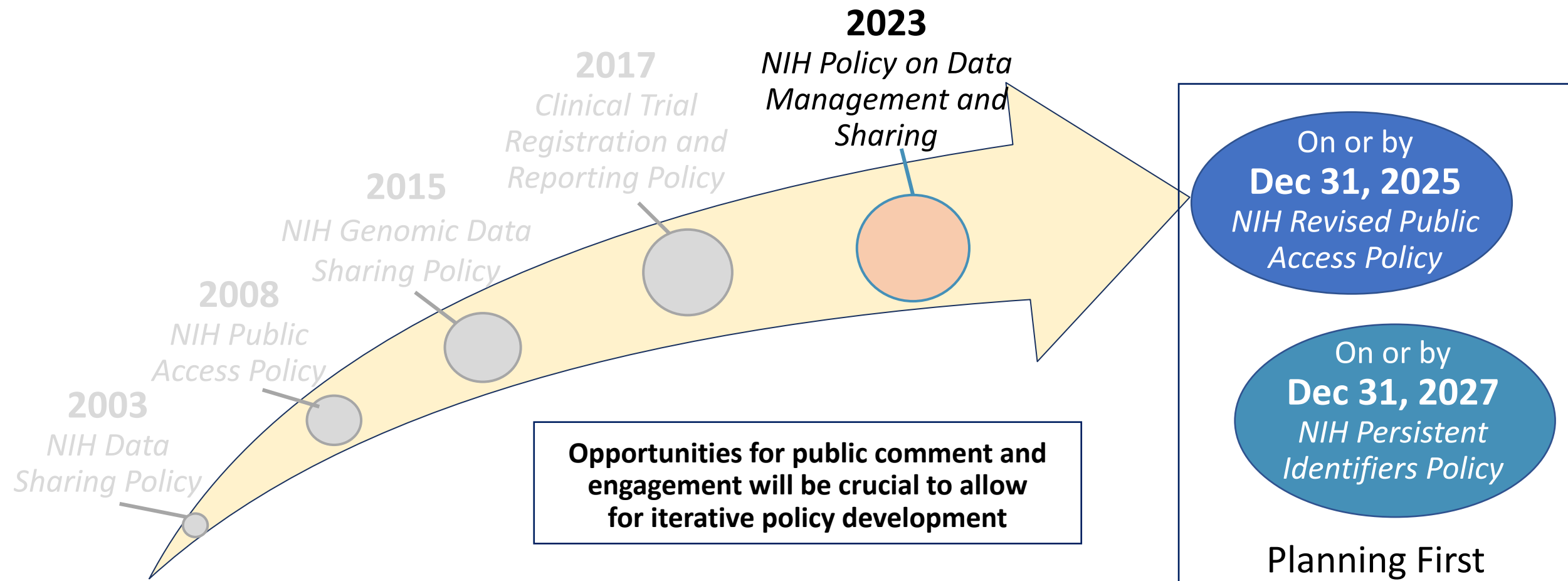
The Director of the National Institutes of Health shall require that all investigators funded by the NIH submit or have submitted for them to...PubMed Central an electronic version of their final peer-reviewed manuscripts upon acceptance for publication, to be made publicly available no later than 12 months after the official date of publication...

Implements Division G, Title II, Section 218 of PL 110-161
Consolidated Appropriations Act, 2008

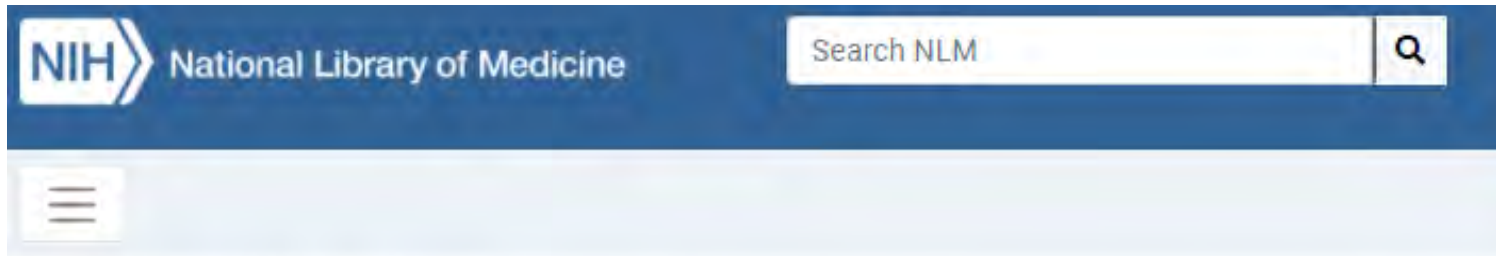
NIH-Supported Articles in PMC



Meeting New Expectations



NIH Preprint Pilot



[Home](#) > [About the NLM](#) > [News & Events](#)

NIH launches preprint pilot to expand discovery of NIH-funded research

June 9, 2020

First phase on COVID-19 related preprints

The National Institutes of Health is launching the first phase of a pilot project designed to test the viability of making preprints resulting from NIH-funded research searchable in PubMed Central (PMC), a widely-used digital archive of full-text articles and, by extension, discoverable in PubMed, a database containing more than 30 million citations and abstracts of biomedical literature. The NIH Preprint Pilot, a project of NIH's National Library of Medicine (NLM), is intended to increase early discoverability of NIH-supported research results, maximizing the possible impact of the research. Phase one of the pilot will focus on preprints relating to the COVID-19 pandemic.

Scope

- NIH-funded research
- Focus on COVID-19

Preservation & Access

- Full text in PubMed Central
- Citation in PubMed

Currently

- 3,600+ preprints
- Highly used

Data Science @ NIH

Data Science Themes



Data Infrastructure



Data Ecosystem



Tools and Analytics



Training, Workforce Initiatives,
and Community Engagement



Clinical Informatics and FHIR®



Learn About Artificial Intelligence at NIH

Upcoming Events

08
DEC

Best practices for sharing data in a generalist repository: Metadata, data preparation, and reporting
GREI Collaborative Webinar Series on Data Sharing in Generalist Repositories

09
DEC

December Data Sharing and Reuse Seminar
Drs. Roger Mark and Tom Pollard will present "PhysioNet: A Quarter Century of Open Health Data" at the monthly Data Sharing and Reuse Seminar on... [Read More](#)

[View All Events »](#)

Recent News



Dr. Andrea Norris to Retire, Leaving Legacy of Successful Innovation



NIH teams with MIT LL to launch a data platform to leverage nationwide wearable datasets to enable early detection of COVID-19 and other respiratory illness



ODSS Announces New Repository Joining GREI



Director's Blog Post

Thank You

