

NIH Data Management and Sharing Plans: How's It Going So Far?

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This Is YOUR Session

Your experiences can
help others.

Let's learn and collect
takeaways
from one another.

Quick Reminder of the DMS Policy

- The [NIH Data Management & Sharing \(DMS\) Policy](#), effective January 25, 2023, applies to all research, funded or conducted in whole or in part by NIH, that results in the generation of scientific data, regardless of funding level, including: extramural grants, extramural contracts, intramural research projects, and other funding agreements. The DMS Policy does not apply to research and other activities that do not generate scientific data, including training (T), fellowships (F), construction (C06), conference grants (R13), resource grants (G), and research-related infrastructure programs (e.g., S06)

Scientific Data is defined as data commonly accepted in the scientific community as of sufficient quality to validate and replicate research findings, regardless of whether the data are used to support scholarly publications.

- Scientific data does not include laboratory notebooks, preliminary analyses, completed case report forms, drafts of scientific papers, plans for future research, peer reviews, communications with colleagues, or physical objects such as laboratory specimens.

Final NIH Policy for Data Management and Sharing

Notice Number:

NOT-OD-21-013

Key Dates

Release Date:

October 29, 2020

Effective Date:

January 25, 2023

The National Institutes of Health (NIH) is issuing this final NIH Policy for Data Management and Sharing (DMS Policy) to promote the management and sharing of scientific data generated from NIH-funded or conducted research. This Policy establishes the requirements of submission of Data Management and Sharing Plans (hereinafter Plans) and compliance with NIH Institute, Center, or Office (ICO)-approved Plans. It also emphasizes the importance of good data management practices and establishes the expectation for maximizing the appropriate sharing of scientific data generated from NIH-funded or conducted research, with justified limitations or exceptions. This Policy applies to research funded or conducted by NIH that results in the generation of scientific data.

NOT-OD-21-013

Key Dates

Release Date:	October 29, 2020
Effective Date:	January 25, 2023

Related Announcements

[NOT-OD-23-053](#) - Reminder: NIH Policy for Data Management and Sharing effective on January 25, 2023.

[NOT-OD-23-012](#) - Reminder: FORMS-H Grant Application Forms & Instructions Must be Used for Due Dates On or After January 25, 2023 - New Grant Application Instructions Now Available

[NOT-CA-23-007](#) - Request for Information (RFI): Soliciting Input on the Use and Reuse of Cancer Metabolomics Data

[NOT-OD-22-214](#) - Supplemental Information to the NIH Policy for Data Management and Sharing: Responsible Management and Sharing of American Indian/Alaska Native Participant Data.

[NOT-OD-22-213](#) - Supplemental Information to the NIH Policy for Data Management and Sharing: Protecting Privacy When Sharing Human Research Participant Data.

What has changed since last year?

- [Guide Notice NOT-OD-23-161](#) (released July 31, 2023) rescinds requirement of the single DMS cost line item in submissions on/after October 5, 2023
- Foreign Collaborations

Not specific to Data Sharing but reminder of NIH's enhanced awareness of foreign involvement. Policies related to data sharing vary across countries. Investigators from foreign institutions and U.S. investigators collecting data in other countries should familiarize themselves with the policies governing data sharing in the countries in which they plan to work and to address any specific limitations in the plan in their application.

Now that January 25th Has Come and Gone...

- Any challenges in determining if proposed research was subject to the DMS policy?
- What training/resources/support have you provided your researchers?
- How have you identified appropriate repositories?
- Methods/approaches for managing and sharing scientific data. At this stage, what is working for you? Has any approach proved problematic?
- Recent announcement NOT-OD-185, effective October 12, 2023

Issues with Writing the Plan / DMS Template?

- Element 1 – Data Type
- Element 2 – Related Tools, Software and/or Code
- Element 3 – Standards
- Element 4 – Data Preservation, Access, and Associated Timelines
- Element 5 – Access, Distribution, or Reuse Considerations
- Element 6 – Oversight of Data Management and Sharing

Allowable Costs

NIH Guide Notice NOT-OD-21-015 [Supplemental Policy Information: Allowable Costs for Data Management and Sharing](#) Any issues/challenges including reasonable, allowable costs in NIH budget requests for:

- Curating data
- Developing supporting documentation
- Formatting data according to accepted community standards, or for transmission to and storage at a selected repository for long-term preservation and access
- De-identifying data
- Preparing metadata to foster discoverability, interpretation, and reuse
- Local data management considerations, such as unique and specialized information infrastructure necessary to provide local management and preservation (for example, before deposit into an established repository).
- Preserving and sharing data through established repositories, such as data deposit fees. If the Data Management & Sharing (DMS) plan proposes deposition to multiple repositories, costs associated with each proposed repository may be included.

Unallowable Costs

- Budget requests must NOT include:
- Infrastructure costs that are included in institutional overhead (for instance, F & A)
- Costs associated with the routine conduct of research, including costs associated with collecting or gaining access to research data.
- Costs that are double charged or inconsistently charged as both direct and indirect costs

Are costs allocable?

Tips and Resources

- Consider consulting institutional resources such as librarians and data managers to help plan effectively!
- [Estimate and request funds](#) for data management and sharing activities if not already covered by institution or other sources (link includes NIH FAQs)
- The National Academies of Science, Engineering, and Medicine has developed a resource "[Forecasting Costs for Preserving, Archiving, and Promoting Access to Biomedical Data](#)" that may be useful when budgeting for data management and sharing costs.
- Research the repository(s) for hidden fees/charges
- Look for best practices
- Talk to program officers

Data Management

Proper data management is crucial for maintaining scientific rigor and research integrity. Learn about best practices for scientific data management.

Data Management

FAIR Principles

Length of Time to Maintain Data

Metadata and Other Associated Documentation

Naming Conventions

Common Data Elements

Data Storage Format

Data Security

Useful Links

<https://www.youtube.com/watch?v=CgUpwkngj3g>

<https://sharing.nih.gov/data-management-and-sharing-policy/sharing-scientific-data/selecting-a-data-repository>

<https://sharing.nih.gov/data-management-and-sharing-policy/sharing-scientific-data/repositories-for-sharing-scientific-data>

<https://sharing.nih.gov/faqs#/data-management-and-sharing-policy.htm>

Compliance – Some Everyday Considerations Revisited

- When the Data Sharing Plan in the Application Falls Short
- When Costs for Using Particular Repository Have Not Been Included
- When Expectations for Using a Particular Repository (e.g., set-up in the first year of the grant) have not been planned for and met.
- When Question C5b in the RPPR is answered Nothing to Report
- Conveying to researchers possible consequences of noncompliance

Questions or Comments?



