NIH Policy for Data Management and Sharing (NIH DMSP) – MIT Resources

Effective: 25Jan2023
Policy: NOT-OD-21-013: Final NIH Policy for Data Management and Sharing

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MIT:

Overview

- For Institutions & Administrators: COGR's NIH DMSP Readiness Guide
- For MIT Researchers: NIH DMSP: Key Points
  - Data Management Plans: Write a data management plan | DMPTool (login via Touchstone)
  - Selecting a general repository: DMS Repository Guide and data-management@mit.edu
- Questions: nih_datasharing@mit.edu

Training

- Research data planning, management, and sharing: https://libraries.mit.edu/news/category/data/

Partners

Data Management Services (DMS): We work with you on managing research data: from working with you to develop data management plans, through advising on conducting effective data management during research, to recommending final data sharing, publication, and repository options. DMS offers individual consultations, general workshops, and customized workshops on data management. Contact DMS at data-management@mit.edu.

MIT InfoProtect: Our goal is to provide the MIT community with an easily understood program to protect Institute information, fulfilling MIT Policy 13.2.2.2, Security of Information. This new program is based on classifying Institute research data and administrative information according to the risk posed by the loss of confidentiality, integrity, or availability of the information.

PhysioNet: The PhysioNet Resource's offers free access to large collections of physiological and clinical data and related open-source software.

Core Facility: BioMicro Center: BioMicro offers the SEEK and FAIRDOMHub platforms for active data management and sharing during the course of your research and will work with you (providing expertise and labor for cost) on their use. The MIT BioMicro Center is an integrated genomics core facility that provides both

expertise and equipment for systems biology. BioMicro also connects with other core facilities such as Microscopy-OMERO (for image management).

Committee on the Use of Humans as Experimental Subjects (COUHES): COUHES is responsible for the review of all research activities that involve human subjects, whether directly or indirectly, that will be conducted by investigators at or from MIT except for research that meet the criteria for exemption. Investigators conducting research that may meet the criteria for exemption must submit an Exempt Evaluation through COUHES connect and follow the Investigator Responsibilities Guidelines for exempt research. Certificates of Confidentiality. couhes@mit.edu

MIT Libraries Research Support: https://libraries.mit.edu/forms-private/ask-us/ (email form)

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Research Compliance: research-compliance-help@mit.edu

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Costing

"Costs associated with data management and data sharing may be allowable under the budget for the proposed project," e.g., curating data and developing supporting documentation, local data management considerations, preserving and sharing data through established repositories (NOT-OD-21-015)

- Final NIH Policy for Data Management and Sharing, NOT-OD-21-013, Discussion of Public Comments on the Draft Supplemental Information: Allowable Costs for Data Management and Sharing,
    - Timelines for Using Funds for Data Management and Sharing Activities
        - Draft Supplemental Information: The Draft Guidance noted that budget requests to the NIH may include costs for preserving and sharing data through repositories that charge recurring fees, however it did not specify timelines by which funds allotted for data management and sharing must be spent or how to account for paying fees to data repositories storing data after the end of the performance period.
        - Public Comments: Commenters generally supported the proposal but sought clarification on whether funds may be used to pre-pay fees for long-term data availability. Commenters also asked whether these funds could cover personnel expenses.
        - Final Supplemental Information: Personnel costs required to perform the types of data management and sharing activities described in the final Supplemental Information are allowable. Regarding the availability of data beyond the end of the project, which is crucial to achieving the goals of the DMS Policy, the final Supplemental Information clarifies that fees for long-term data preservation and sharing are allowable, but funds for these activities must be spent during the performance period, even for scientific data and metadata preserved and shared beyond the award period. NIH funds cannot legally be spent after the award period.
- Supplemental Information to the NIH Policy for Data Management and Sharing: Allowable Costs for Data Management and Sharing, NOT-OD-21-015
    - Reasonable, allowable costs may be included in NIH budget requests when associated with:
        - Curating data and developing supporting documentation, including formatting data according to accepted community standards; de-identifying data; preparing metadata to foster discoverability, interpretation, and reuse; and formatting data for transmission to and storage at a selected repository for long-term preservation and access.
        - Local data management considerations, such as unique and specialized information infrastructure necessary to provide local management and preservation (e.g., before deposit into an established repository).
        - Preserving and sharing data through established repositories, such as data deposit fees necessary for making data available and accessible. For example, if a Data Management and Sharing Plan proposes preserving and sharing scientific data for 10 years in an established repository with a deposition fee, the cost for the entire 10-year period must be paid prior to the end of the period of performance. If the Plan proposes deposition to multiple repositories, costs associated with each proposed repository may be included.
- NIH: Budgeting for Data Management and Sharing: User friendly overview.
- NASEM Forecasting Costs of Biomedical Data Preservation: A User Guide. Biomedical researchers are generating, collecting, and storing more research data than ever. Preserving those data in discoverable

and accessible ways is increasingly important, though doing so generates costs that may be difficult to predict. Allocating responsibility for such costs may further complicate a research endeavor. This guide will help researchers identify and think through the major decisions in forecasting life cycle costs for preserving, archiving, and promoting access to biomedical data.

NIH:

Policy supplements

- NOT-OD-22-189 - **Implementation Details** for the NIH Data Management and Sharing Policy
- NOT-HG-21-023 - Notice Announcing NHGRI Guidance for **Third-Party Involvement in Extramural Research**
- NOT-HG-21-022 - Notice Announcing the **National Human Genome Research Institute's Expectation for Sharing Quality Metadata and Phenotypic Data**
- NOT-OD-21-014 – Supplemental Information to the NIH Policy for Data Management and Sharing: **Elements of an NIH Data Management and Sharing Plan**
- NOT-OD-21-015 – Supplemental Information to the NIH Policy for Data Management and Sharing: **Allowable Costs for Data Management and Sharing**
- NOT-OD-21-016 – Supplemental Information to the NIH Policy for Data Management and Sharing: **Selecting a Repository for Data Resulting from NIH-Supported Research**
- 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-21-013 - Supplemental Information to the NIH Policy for Data Management and Sharing: **Protecting Privacy When Sharing Human Research Participant Data**.
- NOT-MH-21-265 - Notice of **Biospecimen Sharing Policy for the National Institute of Mental Health**, Including Requirements for Induced Pluripotent Stem Cell Resource Development and Sharing
- NOT-OD-22-195 – New **NIH "FORMS-H" Grant Application Forms and Instructions** Coming for Due Dates on or after January 25, 2023
- NOT-OD-22-198 – **Implementation Changes for Genomic Data Sharing Plans** Included with Applications Due on or after January 25, 2023

Web-based resources

- NIH Scientific Data Sharing
- NIH Data Management and Sharing Policy resources – Planning and Budgeting; Data Management; Sharing Scientific Data
    - Some NIH-supported repositories. Please contact Data Management Services for further guidance.
- FAQ – FAQs for the NIH Policy for Data Management and Sharing (DMS Policy)
- What Policies Apply to my Research? (tool)
- Informed Consent: Points to Consider and Sample Language for Future Use/Sharing
- NIH Data Management and Sharing Activities Related to Public Access and Open Science
- Blog posts
    - Gearing Up for 2023: Implementing the NIH Data Management and Sharing Policy
    - Gearing Up for 2023 Part II: Implementing the NIH Data Management and Sharing Policy

    - Introducing NIH's New Scientific Data Sharing Website
- NIH Data Sharing and Reuse Seminar series – The National Institutes of Health (NIH) Office of Data Science Strategy hosts a seminar series to highlight exemplars of data sharing and reuse. The monthly series highlights researchers who have taken existing data and found clever ways to reuse the data or generate new findings. The seminar is open to the public and registration is required each month.

Institute & Center FAQs

- NIGMS recently issued a feedback loop blog post,
- NCI developed guidance for their grantees,
- NIA released data sharing resources for their researchers and NIA data sharing guidelines,
- NIAID issued guidance for contracts under the DMS Policy,
- NICHD's Office of Data Science and Sharing compiled a list of DMS Policy resources for their staff and researchers,
- NIDCR answered DMS Policy FAQs, and
- NINDS provided an interpretation of the NIH Genomic Data Sharing Policy and NINDS researcher guidance.

NIH/NNLM:

NNLM Toolkit for the NIH Data Management and Sharing Policy :
https://www.nnlm.gov/guides/nnlm-toolkit-nih-data-management-and-sharing-policy

Training

- Recordings for NIH Data Management and Sharing series:
  https://nnlm.gov/training/recordings?combine=%22data+management+and+sharing%22
- Upcoming sessions for NIH Data Management & Sharing:
  https://nnlm.gov/training/schedule?combine=%22data+management+and+sharing%22&class_format_133=All

Repositories

- Selecting a repository: https://www.nlm.nih.gov/NIHbmic/nih_data_sharing_repositories.html
    - Flowchart: https://libguides.hofstra.edu/c.php?g=1275561&p=9363881
    - Selection quiz:
      https://docs.google.com/forms/d/e/1FAIpQLScZFcBh-eozWfddMPqWI-yoQ9dEEM6wQEyqthdTzX66fhcRsw/viewform

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