The NIH Data Management & Sharing Policy Explained

Charles Maris, PhD
Assistant Director, Sponsored Programs Administration

Lisa Chinn, PhD, MLIS
Data Services Librarian, McGoogan Health Sciences Library

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University of Nebraska Medical Center℠

New NIH DMSP

The new NIH Data Management
and Sharing Policy (DMSP)
went into effect

January 25, 2023

Current 2023 Policy

2023 Policy:

- Created in 2020 after a year of open feedback

- Required regardless of funding level

- Forms H

- 6 elements for the DMSP

NIH 2023 Data Management and Sharing Plan

Six Elements to be Addressed
in Your DMSP:

- Data type
- Tools, Software, Code
- Standards
- Data Preservation
- Access, Distribution, Reuse
- Oversight

Pulling it all Together

The new policy responds to and incorporates guidance from listening sessions, requests for information, and experts into a single policy.

- Establishes requirements
- Emphasizes the importance of good data management practices and appropriate sharing
- Requirements are for RESEARCH proposals to NIH

NIH website for data sharing and reuse:
sharing.nih.gov

What is required for full compliance?

- Submission of a Data Management and Sharing Plan (DMSP)
  - Outlines how scientific data and accompanying metadata will be managed and shared
  - Identifies potential restrictions or limitations

- Compliance with the awardee's Plan

Where does the Plan go?

Upload to Forms H, under "11. Other Plan(s)"

Allowable Costs

1. Curating data and developing supporting documentation

2. Local data management during the project, before submitting to a repository

3. Preserving and sharing data in repositories

https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-015.html

Allowable Costs

Any direct costs to support your data management and sharing plan must be:

1. Included in the R&R Budget
2. Described in the Budget Justification

DON'T FORGET!

How do these Allowable Costs Map onto the Data Management and Sharing Lifecycle?

Harvard Biomedical Research Data Lifecycle, CC BY-NC 4.0

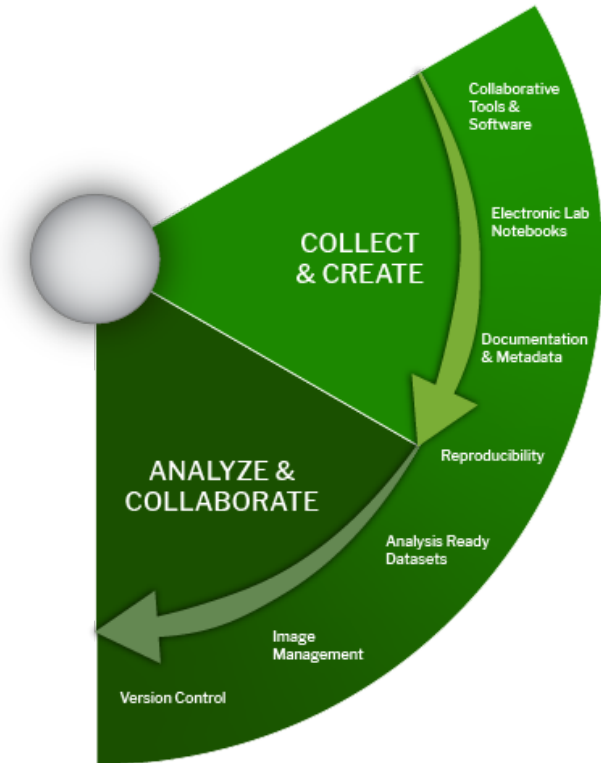# Activities Associated with Allowable Cost 1: Data Curation

- Project Management
  - Workflow integration
  - Scope of data lifecycle
- Storage and Management Options
  - Storage Options (Box, One Drive, REDCap)
  - Data Safety and Security (HIPAA compliant)
- Planning and Designing Data/ Datasets
  - Data Management Plans
  - Policies and Compliance
 - File Naming Conventions
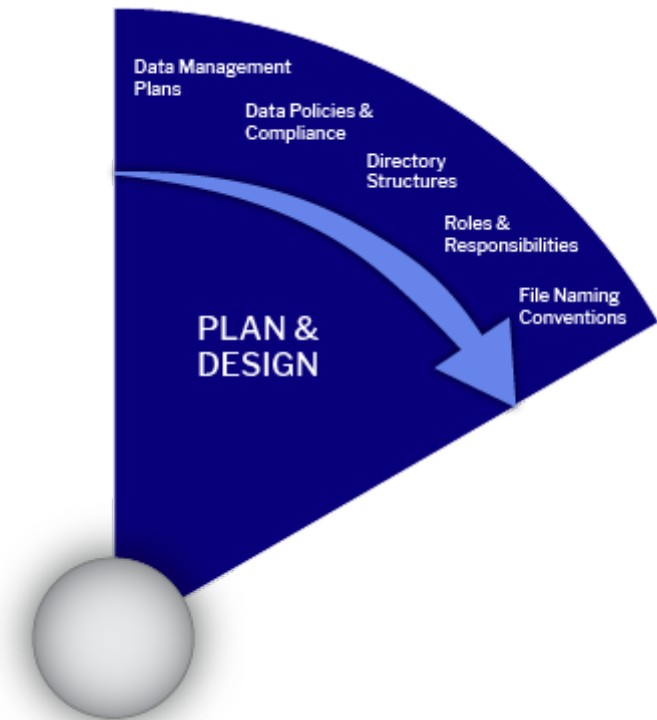
Activities Associated with Allowable Cost 2: Local Data Management

- Collection and Creation of Data
  - Collaborative Tools and Software (E Lab Notebooks, etc.)
  - Documentation and Metadata
- Analysis of Data
  - Version control
  - Analysis-ready datasets
- Evaluation and Archiving of Data
  - Security
  - Retention

Activities Associated with Allowable Cost 3: Preservation and Sharing in Repositories
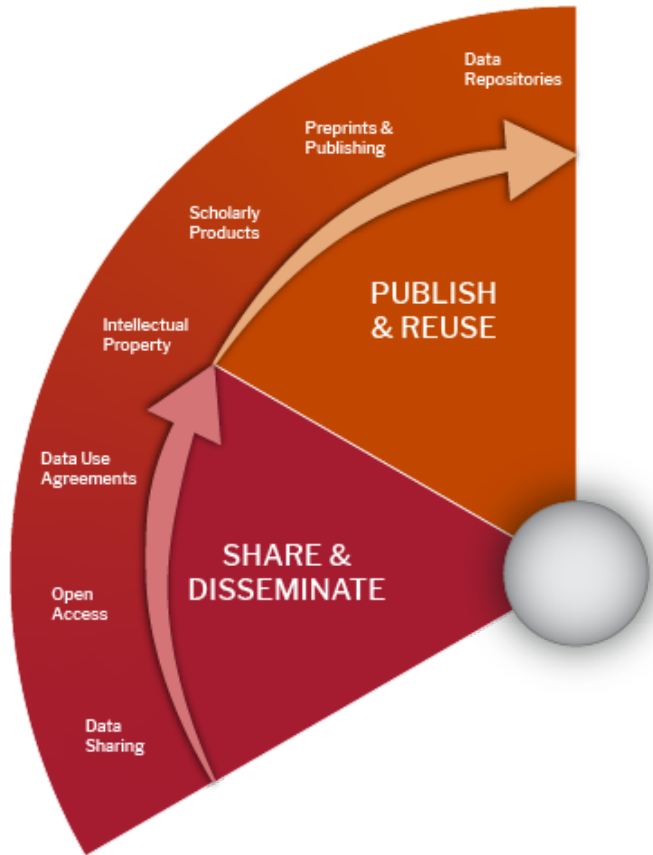
- Evaluating and Archiving Data
  - Records Management
  - Data Destruction
- Sharing and Disseminating Data
  - Data Sharing and Open Access
  - Data Use Agreements
- Publishing and Reuse of Data
  - Preprints and Publishing
  - Data Repositories

Allowable Costs

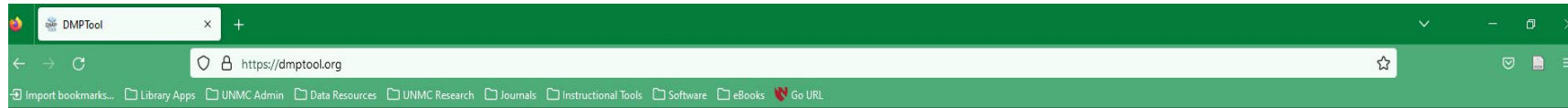All activities described above must be a part of the R & R budget.

[Cost estimator](#) (PDF)

Weblink:

https://www.unmc.edu/spa/policies/nihdmsp/budget.html

https://dmptool.org/

DMPTool: Writing a Plan

Request Feedback

Downloading Your Plan

Suggestions for your DMSPs

Review and choose a repository for curation and sharing *before* you write your data management and sharing plan

- Metadata standards
- Workflow and data documentation
- Clean and easy upload

Research data repositories:

re3data.org

NIH supported

Generalist Repositories

Suggestions for your DMSPs

Each element corresponds to the next element

- Each part corresponds to the whole
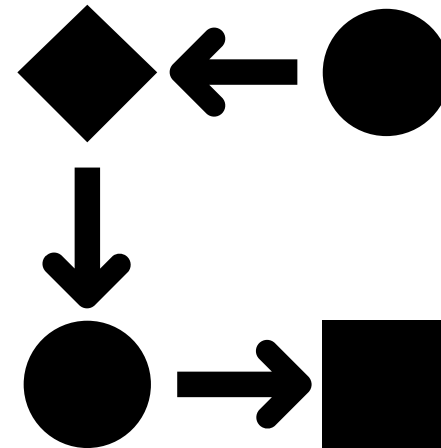
Suggestions for your DMSPs

Example language is just
that: an example

- Customize language to *your*
data management and sharing
plan
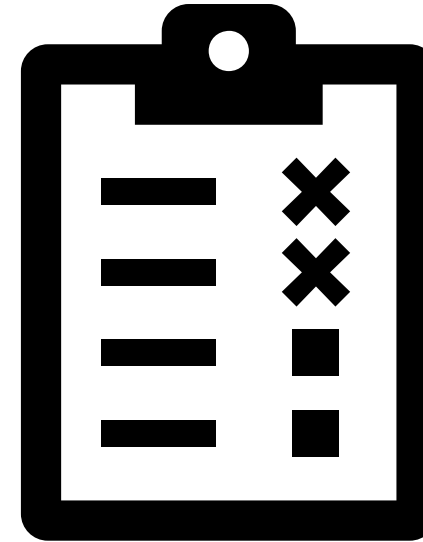
When requesting feedback....

- Submit a full, drafted DMSP in DMPTool

- Expect a turn-around time of 48 hours for review

Resources at UNMC:

The NIH 2023 Website:
https://www.unmc.edu/spa/policies/nihdmsp/index.html

DMPTool:
https://dmptool.org/

FAQ:
https://www.unmc.edu/spa/policies/nihdmsp/faq.html

Other Resources:

NIH DMSP-specific website:
sharing.nih.gov

Annotated Forms-H:
https://grants.nih.gov/grants/ElectronicReceipt/files/Annotated_Forms_General_FORMS-H.pdf

NIH DMSP webinars:
https://sharing.nih.gov/about/learning

Resources at NIH:

The NIH has established a Scientific Data Sharing website
- New Data Management Sharing Policy
- Genomic, Model Organism, Research Tools Sharing Policies
- Comprehensive FAQ

https://sharing.nih.gov/

The NIH DMSP website maintains a list of NIH-supported Scientific Data Repositories
- Searchable by NIH Institute or Center and Keywords
- Links directly to repository's Data Submission Policy

NIH ⟩ SCIENTIFIC DATA SHARING

From the NIH FAQ

How will noncompliance with the NIH DMS Policy be handled?

NIH will monitor compliance with Plans over the course of the funding period during regular reporting intervals (e.g., at the time of annual Research Performance Progress Reports (RPPRs)). Noncompliance with Plans may result in the NIH ICO adding special Terms and Conditions of Award or terminating the award. If award recipients are not compliant with Plans at the end of the award, noncompliance may be factored into future funding decisions.

From the NIH FAQ

What steps does the DMS Policy take to ensure institutions and researchers **protect research participants**?

Award recipients must comply with any applicable laws, regulations, statutes, guidance, or institutional policies related to research with human participants and that protect participants' privacy. The DMS Policy encourages respect for participants by encouraging researchers and award recipients to:

- Address data management and sharing plans during the informed consent process to ensure prospective participants understand how their data will be managed and shared;

- Outline steps they will take for protecting the privacy, rights, and confidentiality of prospective participants (i.e., through de-identification, Certificates of Confidentiality, and other protective measures);

- Assess limitations on subsequent use of data and communicate these limitations to the individuals or entities (e.g., repositories) preserving and sharing the data; and

- Consider whether access to shared scientific data derived from humans should be controlled, even if de-identified and lacking explicit limitations on subsequent use. Sharing via controlled access may be specified by certain funding opportunity announcements (FOAs) or the funding NIH ICO(s).

From the NIH FAQ

Should multiple DMS Plans be submitted with each application for funding, including large, multicomponent awards?

No. The DMS Policy expects only one DMS Plan to be submitted with each application and does not expect separate Plans to be developed for individual projects under that application. Applicants are encouraged to determine whether and how to coordinate responsibilities with respect to Plans with all Program Directors/Principal Investigators and all Key Personnel on the same application.

Connect with us!

Lisa Chinn, PhD, MLIS

Research Data Services Librarian
McGoogan Health Sciences Library

lchinn@unmc.edu

Research Data Services email

researchdata@unmc.edu

Book an appointment with me:

https://go.unmc.edu/veb3

Charles Maris, PhD

Assistant Director

Sponsored Programs Administration

cmaris@unmc.edu