

# The NIH Data Management & Sharing Policy Explained

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**University of Nebraska  
Medical Center<sup>SM</sup>**



# New NIH DMSP

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

**January 25, 2023**

January 2023						
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30	31					



# 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](https://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)”

[View Burden Statement](#) **PHS 398 Research Plan** OMB Number: 0925-0001  
Expiration Date: 09/30/2024

Introduction			
1. Introduction to Application (for Resubmission and Revision applications)	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
Research Plan Section			
2. Specific Aims	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
3. *Research Strategy	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
4. Progress Report Publication List	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
Other Research Plan Section			
5. Vertebrate Animals	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
6. Select Agent Research	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
7. Multiple PD/PI Leadership Plan	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
8. Consortium/Contractual Arrangements	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
9. Letters of Support	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
10. Resource Sharing Plan(s)	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
11. Other Plan(s)	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
12. Authentication of Key Biological and/or Chemical Resources	<input type="text"/>	<a href="#">Add Attachment</a>	<a href="#">Delete Attachment</a> <a href="#">View Attachment</a>
Appendix			
13. Appendix	<a href="#">Add Attachments</a>	<a href="#">Delete Attachments</a>	<a href="#">View Attachments</a>



# 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





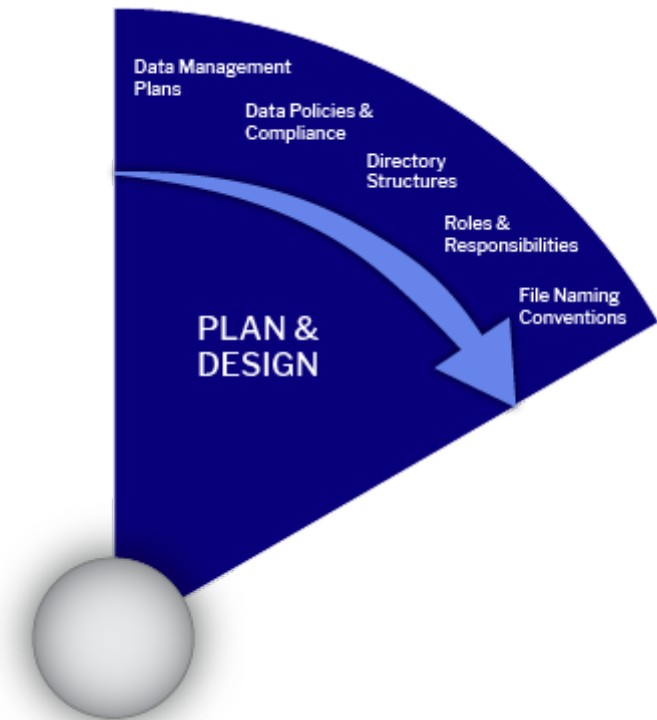
# How do these Allowable Costs Map onto the Data Management and Sharing Lifecycle?





# Activities Associated with Allowable Cost 1: Data Curation

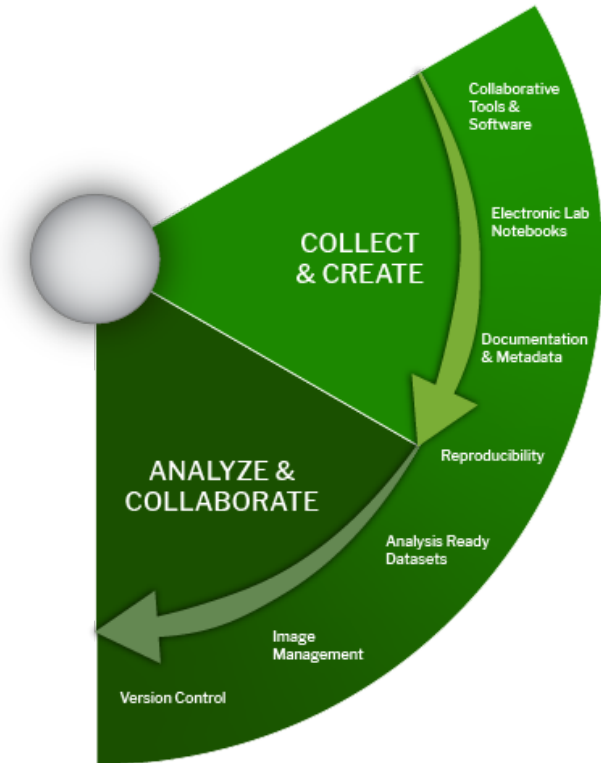
- Project Management
  - Workflow integration
  - Scope of data lifecycle
- Storage and Management Options
  - Storage Options (Box, One Drive, REDCap)
  - Data Safety and Security (HIPAA compliant)
- Planning and Designing Data/ Datasets
  - Data Management Plans
  - Policies and Compliance
  - File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





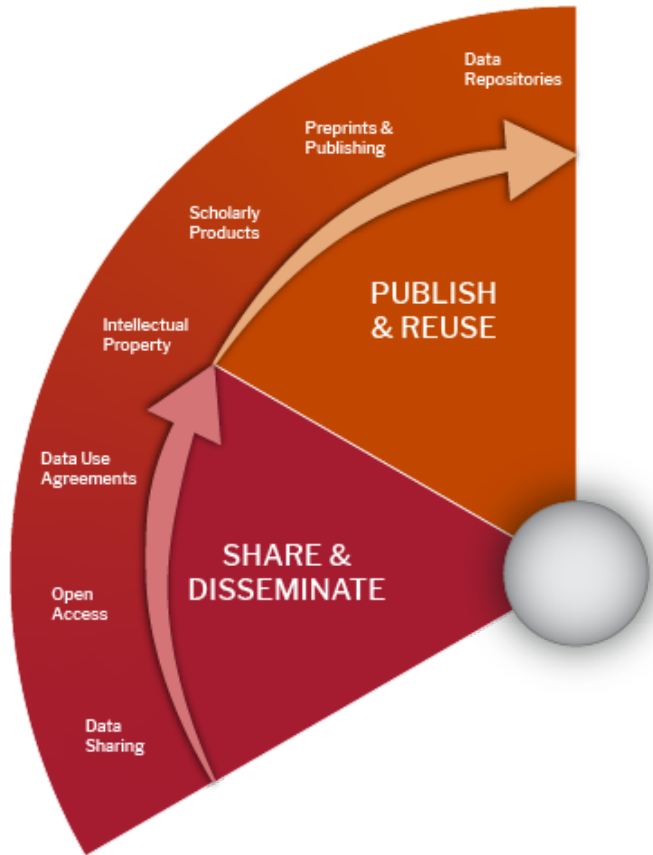
# Activities Associated with Allowable Cost 2: Local Data Management

- 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.

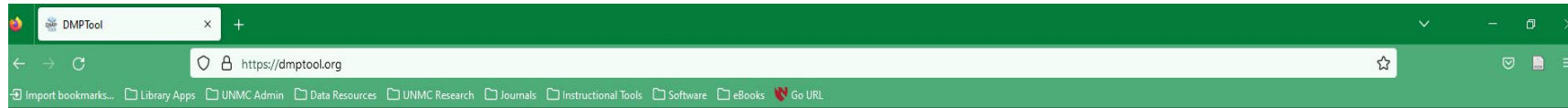
[Cost estimator](#) (PDF)

Weblink:

<https://www.unmc.edu/spa/policies/nihdmisp/budget.html>



# <https://dmptool.org/>



Build your Data Management Plan [Funder Requirements](#) [Public DMPs](#) [Help](#)

Language ▾

✔ Signed out successfully.



Sign in / Sign up

Email address \*

For SSO, use institutional address.

Continue

Problems signing in? [Contact us.](#)



82,921 Users



360 Participating Institutions



80,266 Plans

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[Things to know about the updated DMPTool website](#)

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# DMPTool: Writing a Plan



Project - Write plan

https://dmptool.org/plans/86899/edit?phase\_id=1898

Import bookmarks... Library Apps UNMC Admin Data Resources UNMC Research Journals Instructional Tools Software eBooks Go URL

Lisa Chinn Language

**DMPTool**  
Build your Data Management Plan My Dashboard Create Plan Funder Requirements Public DMPs Help

**University of Nebraska Medical Center**  
University of Nebraska Medical Center (unmc.edu) Admin  
Email Research IT Office(RITO)

## Project

Project Details Collaborators **Write Plan** Research outputs Request feedback Download Finalize / Publish

This plan is based on the "NIH-GEN DMSP (Forthcoming 2023)" template provided by National Institutes of Health (nih.gov) - (ver: 5, pub: 2022-11-15).  
expand all | collapse all 0/12

- + Data Type (0 / 3)
- + Related Tools, Software and/or Code (0 / 1)
- + Standards (0 / 1)
- + Data Preservation, Access, and Associated Timelines (0 / 3)
- + Access, Distribution, or Reuse Considerations (0 / 3)
- + Oversight of Data Management and Sharing (0 / 1)

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11:22 AM  
12/20/2022



# Request Feedback



Using DMPTool | SPA | Universit... Qualitative Remix: Update for NIH X +

https://dmptool.org/plans/85006/request\_feedback

Import bookmarks... Library Apps UNMC Admin Data Resources UNMC Research Journals Instructional Tools Software eBooks Go URL Learn Programming

**DMPTool**  
Build your Data Management Plan  
My Dashboard Create Plan Funder Requirements Public DMPs Help

Lisa Chinn Language

**University of Nebraska Medical Center**  
University of Nebraska Medical Center (unmc.edu)  
Email Research IT Office(RITO)

Admin

## Qualitative Remix: Update for NIH 2023 DMSP

Project Details Collaborators Write Plan Research outputs **Request feedback** Download Finalize / Publish

### Request expert feedback

Click below to give data management staff at University of Nebraska Medical Center (unmc.edu), the Plan Owner's org, access to read and comment on your plan.

Dear Lisa Chinn,  
"Qualitative Remix: Update for NIH 2023 DMSP" has been sent to your DMPTool account administrator for feedback.  
Please email [researchdata@unmc.edu](mailto:researchdata@unmc.edu) with any questions about this process.

You can continue to edit and download the plan in the interim.

**Request feedback**



# Downloading Your Plan



The screenshot shows the DMPTool interface. The browser address bar displays <https://dmptool.org/plans/94837/download>. The page title is "Biofilm Infections of the Pathogen Pseudomonas Aeruginosa in Chronic Wounds". The navigation menu includes "Project Details", "Collaborators", "Write Plan", "Research outputs", "Request feedback", "Finalize", and "Download". The "Download" tab is active, showing the following settings:

- Format:** pdf
- Download settings:**
  - Optional plan components
  - project details coversheet
  - section headings
  - question text (will only display your answers)
  - unanswered questions
- PDF formatting:**
  - Font:** Face: "Times New Roman", Times, Serif; Size (pt): 11
  - Margin (mm):** Top: 25, Bottom: 25, Left: 25, Right: 25

A "Download Plan" button is located at the bottom of the settings panel.



# 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](https://re3data.org)

[NIH supported](#)

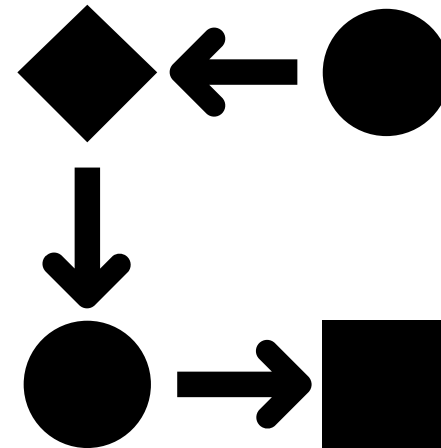
[Generalist Repositories](#)



# Suggestions for your DMSPs

Each element corresponds to the next element

- Each part corresponds to the whole

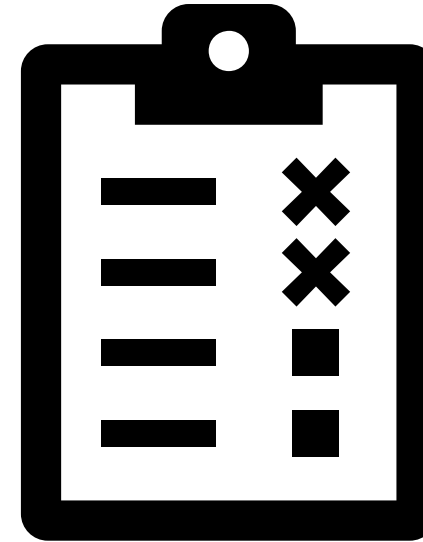




# Suggestions for your DMSPs

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/nihdm-sp/index.html>



DMPTool:  
<https://dmptool.org/>



FAQ:  
<https://www.unmc.edu/spa/policies/nihdm-sp/faq.html>



# Other Resources:



NIH DMSP-specific website:  
[sharing.nih.gov](https://sharing.nih.gov)



Annotated Forms-H:  
[https://grants.nih.gov/grants/ElectronicReceipt/files/Annotated\\_Forms\\_General\\_FO\\_RMS-H.pdf](https://grants.nih.gov/grants/ElectronicReceipt/files/Annotated_Forms_General_FO_RMS-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





# 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!

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Research Data Services email  
[researchdata@unmc.edu](mailto:researchdata@unmc.edu)

Book an appointment with me:  
<https://go.unmc.edu/veb3>