The American Association of Immunologists (AAI)

AAI Resources and Recommendations
for the
NIH DATA MANAGEMENT AND SHARING (DMS) POLICY

effective for all NIH grant applications submitted on or after January 25, 2023

The NIH DMS Policy requires that all investigators applying for NIH funding: 1) include a DMS plan, to be approved by NIH, describing how their data and metadata will be managed and shared, and 2) comply with the plan. AAI is providing this resource to help our scientific community think about best data management and sharing practices, write their DMS plans, and prepare for data sharing.

For detailed information, visit the NIH DMS website:

sharing.nih.gov

Helpful Links

- NIH Policy for Data Management and Sharing
- Writing a DMS plan (includes sample plans)
- Budgeting for a DMS plan
- NIH DMS Policy FAQs
- NIH Institute and Center (IC) Sharing Policies
- NIH National Library of Medicine Toolkit
- FASEB DataWorks! & Consult their Help Desk
- DMPTool to build your DMS plan

Have questions? Consult your program officer or email **sharing@nih.gov**

Recommendations - January 2023

Prospective planning is KEY to success

Creating a data management framework before starting a project will save time, money, and resources when it comes time to develop your plan and share your data

1. Use this **NIH tool** to determine which NIH data sharing policies apply to your project
   - If the **Genomic Data Sharing Policy** applies, include genomic sharing plans in the DMS plan (submit in the "other plans" field of PHS 398 Research Plan Form using **FORMS-H**)
   - If the **Model Organisms Sharing Policy** and/or **Resource Tools Policy** apply, combine and submit as a single document in the "Research Sharing Plans" field of PHS 398 Research Plan Form using **FORMS-H**
   - Individual ICs may have **additional policies** that should be incorporated into your DMS plan

2. The **NIH DMS Policy** encourages NIH-funded scientific data to be deposited in an **appropriate Data Repository**
   - Understanding content, metadata, and format requirements for selected data repositories will inform experiment planning and data collection, analysis, and storage
   - Check for/comply with repository guidance from NIH funding Institutes/Centers and journals
   - NIH encourages the use of **domain-specific repositories**; search the **Registry of Research Data Repositories**
     - E.g., repositories for depositing flow cytometry data include **FlowRepository** & **ImmPort**
   - If no domain-specific repository is available, **generalist repositories** (that accept all data types) are allowed
   - Data can be divided into multiple repositories

3. Consult key departments at your institution for guidance regarding data management, planning, storage, and sharing, such as the library, research office, shared core resesarch facilities, and Institutional Review Board

4. Establish good data management practices within your laboratory
   - Consider "naming conventions" & standardize protocols to simplify data collection, analysis, interpretation, and deposition into repositories
   - Have a plan for, clear communication about, and consistent means of oversight for managing, organizing, and storing data
   - Lab personnel responsible for collecting data should review plan to ensure feasibility

Developed by the AAI Data Management and Sharing Working Group

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An Initiative of the AAI Committee on Public Affairs