NIH
Data Management and Sharing Plan

Required for all NIH grant submissions on or after January 25, 2023

DEPHS Faculty Meeting

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Objective

- A major reason for data sharing is that the data are generated with taxpayer dollars, and therefore should be used as much as possible for scientific studies.

- Data should be formatted and stored in a standardizd manner so that they are ready for effective sharing.

What types of grants?

- All R's
- Research Centers

- Basic Science, Human Population, any grant that collects data needs Data Management and Sharing Plan.

What?

- **Non-Genomic Data, Genomic Data**
- Non-Genomic Data and Genomic Data should be included in the DMSP;

- The DMSP is primarily about data management (90%) and only a small (although essential) part about sharing. The investigator who will be working with the data is the person most appropriate to prepare most of the DMSP. The ultimate purpose of the Data Management Plan to prepare data in a format that makes it ready for sharing.

- Biospecimen Sharing is covered in the Resource Sharing Plan.

- Need to include funds in budget for items such as creating and indexing data so that they are ready to be shared, data dictionary and actual data sharing

Help for preparing a plan....

- **Sample data management and sharing plans**

- https://sharing.nih.gov/data-management-and-sharing-policy/planning-and-budgeting-for-data-management-and-sharing/writing-a-data-management-and-sharing-plan#after
- https://www.nimh.nih.gov/funding/managing-your-grant/nimh-data-sharing-for-applicants-and-awardees#4
- **Research Data Management Terminology**
- https://codata.org/initiatives/data-science-and-stewardship/rdm-terminology-wg/rdm-terminology/
- https://www.nnlm.gov/guides/data-glossary

- **Everything you need to know:**

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

Final notes

- The plan is reviewed by NIH study section reviewers but not included in scoring – similar to human subjects plans.

- If you are funded, the Program Officer will review your plan and communicate needed changes.

- Before receiving your NOA, you will need to submit a revised plan

- Required to post data:
  - Immediately after a publication for all data related to that publication
  - All study data by the end of the funding period (although during discussion they admitted that there was some leniency with that stipulation.

- NIH will be auditing to determine if you adhere to your plan.