NIH DATA MANAGEMENT AND SHARING PLAN

Required for most NIH applications on or after Jan. 25th, 2023, regardless of budget amount.

WHAT'S DIFFERENT?

- 2 New Items
  - Other Plans → **DMS Plan** (2 pages)
  - Budget Justification → **DMS Plan Brief Summary** (1/2 page)
- Always required

WHY IS MANAGING AND SHARING DATA IMPORTANT?

1 Accelerates biomedical research discovery

2 Allows for validation and reproducibility

3 Ensures data is findable and identifiable

DATA MANAGEMENT AND SHARING PLAN ELEMENTS

ELEMENT 1: DATA TYPE

A

Types and amount of scientific data expected to be generated in the project.

B

Scientific data that will be preserved and shared; rationale for doing so.

C

Metadata, other relevant data, and associated documentation

ELEMENT 2:

RELATED TOOLS, SOFTWARE AND/OR CODE

What, if any, specialized tools, software and/or code are needed to access or manipulate shared scientific data? Provide name(s) of tools/software needed and how they can be accessed

ELEMENT 3:

STANDARDS

What common data standards (and associated metadata) will be applied to enable interoperability of datasets and resources; provide the name(s) of the data standards; and describe how standards will be applied. If applicable, indicate if no consensus standards exist.

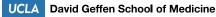# ELEMENT 4: DATA PRESERVATION, ACCESS, AND ASSOCIATED TIMELINES

A

Repository where scientific data and metadata will be archived

B

How scientific data will be findable and identifiable

C

When and how long will the scientific data be made available?

ELEMENT 5: ACCESS, DISTRIBUTION, OR REUSE CONSIDERATIONS

A

Factors affecting subsequent access, distribution, or reuse of scientific data

B

Will access to scientific data be controlled?

C

Protections and privacy, rights and confidentiality of human participants

FREQUENTLY ASKED QUESTIONS

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WHEN SHOULD DATA BE SHARED?

No later than time of publication/end of award period, whichever comes first

WHERE SHOULD DATA BE SHARED?

Preferably in established repositories, but answer is field dependent.

WHAT IS *NOT* INCLUDED?
Lab notebooks, prelim analyses, complete case report forms, drafts of papers, plans for future research, peer reviews, communications with colleagues, physical objects (specimens)

HOW LONG SHOULD DATA BE AVAILABLE?

NIH provides a framework but encourages longer time periods

CAN I BUDGET FOR THIS?

Fees for long term data preservation are allowable but must be spent during award period only

WHAT RESOURCES DOES UCLA HAVE?
- Dryad
- BioMed Library
- ORCA Website
- GSU Resources

HUMAN SUBJECTS CONSIDERATIONS

1 Address in the informed consent process

2 Communicate limitations on future use of data re: preservation and sharing

3 Consider how control of access will be managed

HOW IS THIS DIFFERENT THAN…

RESOURCE SHARING PLAN?

- Data Sharing Plan & Genomic Data has been moved onto the DMSP

- RSP only includes Sharing Model Organisms, if applicable

DATA AND SAFETY MONITORING PLAN?

- Focus on HS
- Includes AEs and SAEs
- Includes role of IRB, DSMB
- Specific to trial monitoring, not study as a whole

BUDGET JUSTIFICATION

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- Length: ½ page
- Funds must be spent during award period
- Check NIH website for allowable/unallowable costs
- Reviewers only see Justification, not the Plan.

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- Brief Summary of Plan
  - **Type and amount**
  - **Name of repository**

- Description of Requested Costs

ADDITIONAL REFERENCES

NIH Webinar:
https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fsharing.nih.gov%2Fsites%2Fdefault%2Ffiles%2Fflmngr%2FDMS%2520Webinar_Resource_Slides.pptx&wdOrigin=BROWSELINK

NIH Draft of DMS Plan: https://grants.nih.gov/grants/forms/all-forms-and-formats/data-management-and-sharing-plan-format-page

Supplemental Information to the NIH Policy for Data Mgmt and Sharing:
https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-014.html

Final NIH Policy: https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-013.html

NIH FAQs: https://sharing.nih.gov/faqs#/data-management-and-sharing-policy.htm?anchor=56774

Writing a Data Management & Sharing Plan: https://sharing.nih.gov/data-management-and-sharing-policy/planning-and-budgeting-DMS/writing-a-data-management-and-sharing-plan

Data Management & Sharing Policy Overview: https://sharing.nih.gov/data-management-and-sharing-policy/about-data-management-and-sharing-policies/data-management-and-sharing-policy-overview

Helpful Presentation from Columbia:
https://research.columbia.edu/sites/default/files/content/EVPR/October_2022_Town_Hall_Slides.pdf

QUESTIONS?
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