

Researcher Perspectives: Realities of Academic Data Sharing

Institution

1) Please select your current University affiliation:*

- ☐ Cornell University
 - ☐ Duke University
 - ☐ University of Michigan
 - ☐ University of Minnesota
 - ☐ Virginia Tech
 - ☐ Washington University in St. Louis
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Demographics

2) Name*

3) Email*

4) Institution*

5) Department/Organizational Unit*

Broad Access to Research Data

6) Did you make research data from your most recent grant broadly available (e.g., in a data repository or as part of a research article, whether restricted or open access)?*

☐ Yes

☐ No

7) Why wasn't research data from your most recent grant made broadly available? Please be as specific as possible.

8) After the grant or project ended, how was the research data stored and maintained? (Select all that apply)

☐ Maintained and managed indefinitely on a server, hard drive, or cloud

☐ Maintained to be shared at a later date

☐ Deposited in a closed (not shared) archive

☐ Stored privately but shared upon request

☐ The research data, including any de-identified data, have been destroyed or will be destroyed

☐ Other - Write In: _____

Data Sharing Practices

9) Please select where you shared your research data for your most recent grant. (Select all that apply)

- ☐ Institutional repository (e.g., eCommons, Deep Blue, DRUM, (Duke) Research Data Repository, Open Scholarship, Virginia Tech Data Repository)
- ☐ Generalist repository (e.g., Dryad, Figshare, ICPSR, Harvard Dataverse)
- ☐ Disciplinary repository (e.g., dbGaP, EDI, HEPData, MorphoSource)
- ☐ Personal website
- ☐ As supplementary material with a publication
- ☐ Shared only on request
- ☐ Other - Write In: _____

10) What online repository (or repositories), including institutional, generalist, or disciplinary, did you use to share your research data? (For example: Dryad, Dataverse, Figshare, dbGAP, Morphosource, ICPSR, Deep Blue, etc.)

11) From the list below please rank the top 5 factors which have the greatest influence on your decisions on where to share your research data. If more than 5 factors influence your decisions, please include them in the ranking as well.

- _____ Personal experience
- _____ Least expensive option
- _____ Easiest/quickest option
- _____ The option to personally control and manage content
- _____ Funder recommendation
- _____ Disciplinary/scholarly society recommendation
- _____ Peer or colleague recommendation
- _____ Journal/publisher recommendation
- _____ Library recommendation
- _____ Research office recommendation
- _____ Campus IT recommendation
- _____ Other

Data Sharing Activities

The following questions will ask about various activities that you may or may not have engaged in throughout the various phases of your grant-funded project. For each activity, please select the option that best fits if and how you engaged with various support services when completing that activity.

If you completed the activity yourself, or with the assistance of others in your research lab (such as a graduate student), please select "Did it myself or within the lab/research team." If you consulted with someone within your University (such as a librarian or IT consultant), please select "Did it with institutional assistance." If you consulted with someone outside your University and research team (such as a funder Program Officer), please select "Did it with external assistance."

12) How did you primarily address each of the following data sharing activities in the 'Planning, Design and Start Up of Projects' phase of your research? For each activity, please select the option that best fits if and how you engaged with various support services when completing it.

	Did not do	Did it myself or within the lab/research team	Did it with institutional assistance	Did it with external assistance
Preparing Data Management Plans (DMPs) or Data Management and Sharing (DMS) Plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identifying data management and sharing costs to be included in grant budgets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Preparing IRB protocols and informed consent for data sharing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Determining storage solutions for active research data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Selecting an appropriate repository (or repositories) for making research data broadly available	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Evaluating data security needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Determining intellectual property and copyright considerations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing Materials Transfer and/or Data Use Agreements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13) How did you primarily address each of the following data sharing activities in the 'Data Collection, Storage, and Management' phase of your research? For each activity, please select the option that best fits if and how you engaged with various support services when completing it.

	Did not do	Did it myself or within the lab/research team	Did it with institutional assistance	Did it with external assistance
Developing documentation of data (e.g., data dictionary, protocols)	()	()	()	()
Creating quality control mechanisms or procedures	()	()	()	()
Evaluating data analysis tools and processes to support sharing and reproducibility	()	()	()	()
Managing active data (e.g., storage, security, backup, lab notebooks)	()	()	()	()

Data Sharing Activities

14) How did you primarily address each of the following data sharing activities in the 'Making Data Broadly Available' phase of your research? For each activity, please select the option that best fits if and how you engaged with various support services when completing it.

	Did not do	Did it myself or within the lab/research team	Did it with institutional assistance	Did it with external assistance
Making decisions about what data to share or host	()	()	()	()
Submitting data into a data sharing platform (e.g., institutional repository, generalist repository, disciplinary repository)	()	()	()	()
Preparing data for sharing (e.g., de-identification, selection, curation, data cleaning, validation, and quality control)	()	()	()	()
Creating documentation for sharing (e.g., structured metadata, README files)	()	()	()	()
Selecting or applying licenses for data reuse	()	()	()	()
Migrating data file formats to be more open or accessible	()	()	()	()

Creating persistent identifiers (PIDs; e.g., DOIs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Checking for compliance with existing Data Use Agreements (DUAs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Data Sharing Activities

15) How did you primarily address each of the following data sharing activities in the 'Data Retention, Including Preservation, Archive, and Long-Term Access' phase of your research? For each activity, please select the option that best fits if and how you engaged with various support services when completing it.

	Did not do	Did it myself or within the lab/research team	Did it with institutional assistance	Did it with external assistance
Migrating files to new formats or systems as needed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Monitoring integrity of preserved data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Making decisions about de-accessioning and removal of research data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensuring data security when	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

appropriate (e.g., PHI/HIPAA, Export Controls, FISMA, student data, and Intellectual Property)				
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16) Which of the following best describes how you primarily addressed each of the following data sharing activities in the 'Project Closeout and Compliance' phase of your research? For each activity, please select the option that best fits if and how you engaged with various support services when completing it.

	Did not do	Did it myself or within the lab/research team	Did it with institutional assistance	Did it with external assistance
Ensuring funding agency requirements for data sharing have been met	()	()	()	()
Compiling reports for project closeout	()	()	()	()

Data Sharing Expenses

17) Did you hire or rely on staff (including graduate and undergraduate students) for making the research outputs of this grant broadly available?

☐ Yes

☐ No

Staffing Expenses

18) Approximately how many staff did you hire or rely on to make the research outputs of this grant broadly available? (Please enter a whole number only, e.g., 8)

19) Of all the staff members that you hired or relied on for making research outputs of your grant broadly available, please consider the five positions most responsible for this work. If there were less than five positions responsible for this work, please fill out the information for the number of positions accordingly.

What percentage of time did each of these five positions dedicate to data sharing and what was their approximate salary?

	Percentage of time dedicated to data sharing (e.g., 50%)	Approximate Salary (e.g., \$70,000)
Employee 1		
Employee 2		
Employee 3		
Employee 4		
Employee 5		

20) If more than five positions were responsible for making research outputs of your grant broadly available, please approximate the total cost of all salaries (annually) for the remaining positions.

Average percentage of time dedicated to data sharing (e.g., 10%): _____

Average annual salaries (e.g., \$75,000): _____

**21) How did you pay for the staff who made the research data broadly available?
(Select all that apply)**

☐ Grant funded

☐ Department funded

☐ Lab funded

☐ Other - Write In: _____

Infrastructure Expenses

22) Approximately how much money did you spend on infrastructure (such as storage, hardware, software, etc.) to provide broad access to your grant's research data?

☐ \$0

☐ \$1 - \$4,999

☐ \$5,000 - \$9,999

☐ \$10,000 - \$19,999

☐ \$20,000 - \$29,999

☐ \$30,000 or greater, please specify amount (\$):

23) How did you pay for infrastructure to make the grant's research data broadly available? (Select all that apply)

☐ Grant funded

☐ Department funded

☐ Lab funded

☐ Other - Write In: _____

Data Sharing Expenses

24) Thinking about your grant, which activities or phase(s) of preparing your data for sharing cost the most?

Please rank each step below in order of greatest cost to least cost. (If you did not spend any money on activities for a phase, you can omit it from the ranking)

_____ **Planning, Design and Start Up of Projects** (e.g., preparing a data management plan, determining intellectual property and ownership)

_____ **Data Collection, Storage, and Management** (e.g., documenting data, managing active data)

_____ **Making Data Broadly Available** (e.g., preparing data for sharing, selecting or applying licenses, migrating formats of data to be open or more accessible)

_____ **Data Retention and Preservation** (e.g., migrating files to new formats or systems as needed, monitoring integrity of preserved data, making decisions about de-accessioning and removal)

_____ **Project Closeout and Compliance** (e.g., ensuring funding agency requirements for data sharing have been met, compiling reports for project closeout)

Additional Considerations

25) How likely are you to make your research data broadly available if you were not required to do so (by publishers or funding agencies)?

☐ Very likely

- ☐ Likely
- ☐ Unlikely
- ☐ Very unlikely
- ☐ Unsure

26) We are interested in collecting and sharing more detailed case studies about researchers' experiences in sharing data.

Would you be willing to participate in a follow up 45-60 minute group interview with your grant's research team to discuss your data sharing practices and their requisite costs?

- ☐ Yes
 - ☐ Not at this time
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Thank You!

We appreciate the time you took to take this survey!

To find out more about the Realities of Academic Data Sharing Initiative and project outcomes, please [visit our website](#).
