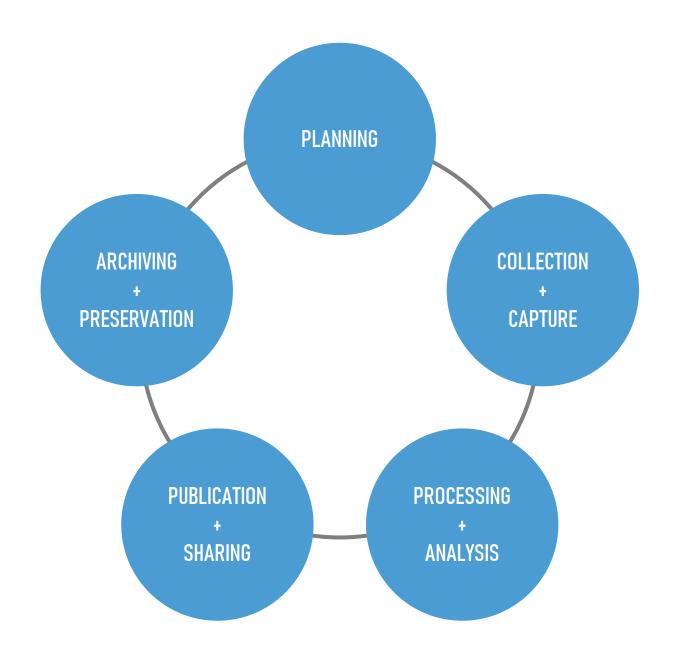
OSP RAFTs: Introduction to the Research Data Management Core

Jonathan Crabtree, PhD • Director RDMC February 28th, 2024







Data management is the process of validating, organizing, protecting, maintaining, and processing scientific data to ensure the accessibility, reliability, and quality of the data for its users.

https://sharing.nih.gov/data-management-and-sharing-policy/data-management



(Meta)data are described with rich metadata and assigned a unique and persistent identifier



(Meta)data are openly accessible, with authorization and authentication as needed



(Meta)data use a shared standardized language to enable linking and use across systems



(Meta)data are welldescribed to allow for understanding and appropriate re-use

Wilkinson, M. D., Dumontier, M., Aalbersberg, Ij. J., Appleton, G., Axton, M., Baak, A., Blomberg, N., Boiten, J.-W., da Silva Santos, L. B., Bourne, P. E., Bouwman, J., Brookes, A. J., Clark, T., Crosas, M., Dillo, I., Dumon, O., Edmunds, S., Evelo, C. T., Finkers, R., ... Mons, B. (2016). The FAIR Guiding Principles for scientific data management and stewardship. *Scientific Data*, *3*, 160018. https://doi.org/10.1038/sdata.2016.18

The National Institutes of Health (NIH) Policy for Data Management and **Sharing** reinforces NIH's longstanding commitment to making the results and outputs of NIH-funded research available to the public through effective and efficient data management and data sharing practices. Data sharing enables researchers to rigorously test the validity of research findings, strengthen analyses through combined datasets, reuse hard-to-generate data, and explore new frontiers of discovery. In addition, NIH emphasizes the importance of good data management practices, which provide the foundation for effective data sharing and improve the reproducibility and reliability of research findings. NIH encourages data management and data sharing practices consistent with the FAIR data principles.

Final NIH Policy for Data Management and Sharing

Notice Number:

NOT-OD-21-013

Key Dates

Release Date:

Effective Date:

October 29, 2020 January 25, 2023

Related Announcements

NOT-OD-23-185 - Prior Approval Requests for Revisions to an Approved Data Management and Sharing (DMS) Plan Must be Submitted Using the Prior Approval Module

NOT-OD-23-053 - Reminder: NIH Policy for Data Management and Sharing effective on January 25, 2023.

NOT-OD-23-012 - Reminder: FORMS-H Grant Application Forms & Instructions Must be Used for Due Dates On or After January 25, 2023 - New Grant Application Instructions Now Available

NOT-CA-23-007 - Request for Information (RFI): Soliciting Input on the Use and Reuse of Cancer Metabolomics

Data

NOT-OD-22-214 - Supplemental Information to the NIH Policy for Data Management and Sharing: Responsible Management and Sharing of American Indian/Alaska Native Participant Data.

NOT-OD-22-213 - Supplemental Information to the NIH Policy for Data Management and Sharing: Protecting Privacy When Sharing Human Research Participant Data.

NOT-OD-22-189 - Implementation Details for the NIH Data Management and Sharing Policy

NOT-OD-22-104 Notice of Extension of the Public Comment Period for NOT-OD-22-064 DRAFT Supplemental Information to the NIH Policy for Data Management and Sharing: Responsible Management and Sharing of American Indian/ Alaska Native Participant Data

Issued by

Office of The Director, National Institutes of Health (OD)

Purpose

Summary

The National Institutes of Health (NIH) is issuing this final NIH Policy for Data Management and Sharing (DMS Policy) to promote the management and sharing of scientific data generated from NIH-funded or conducted research. This Policy establishes the requirements of submission of Data Management and Sharing Plans (hereinafter Plans) and compliance with NIH Institute, Center, or Office (ICO)-approved Plans. It also emphasizes the importance of good data management practices and establishes the expectation for maximizing the appropriate sharing of scientific data generated from NIH-funded or conducted research, with justified limitations or exceptions. This Policy applies to research funded or conducted by NIH that results in the generation of scientific data.

- Planning and budgeting for data management and sharing
- Submission and review of data management and sharing plans
- Implementing data management and sharing plans

https://sharing.nih.gov/



EXECUTIVE OFFICE OF THE PRESIDENT OFFICE OF SCIENCE AND TECHNOLOGY POLICY

WASHINGTON, D.C. 20502

August 25, 2022

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Dr. Alondra Nelson

Deputy Assistant to the President and Deputy Director for Science and Society

Performing the Duties of Director

Office of Science and Technology Policy (OSTP)

SUBJECT: Ensuring Free, Immediate, and Equitable Access to Federally Funded Research

This memorandum provides policy guidance to federal agencies with research and development expenditures on updating their public access policies. In accordance with this memorandum, OSTP recommends that federal agencies, to the extent consistent with applicable law:

- Update their public access policies as soon as possible, and no later than December 31st, 2025, to make publications and their supporting data resulting from federally funded research publicly accessible without an embargo on their free and public release;
- Establish transparent procedures that ensure scientific and research integrity is maintained in public access policies; and,
- Coordinate with OSTP to ensure equitable delivery of federally funded research results and data.

1. Background and Policy Principles

Since February 2013, federal public access policy has been gui *Increasing Access to the Results of Federally Funded Research* the White House Office of Science and Technology Policy (OS directed all federal departments and agencies (agencies) with m research and development expenditures to develop a plan to supplie the results of federally funded research, with specific focus on a and digital data resulting from such research.

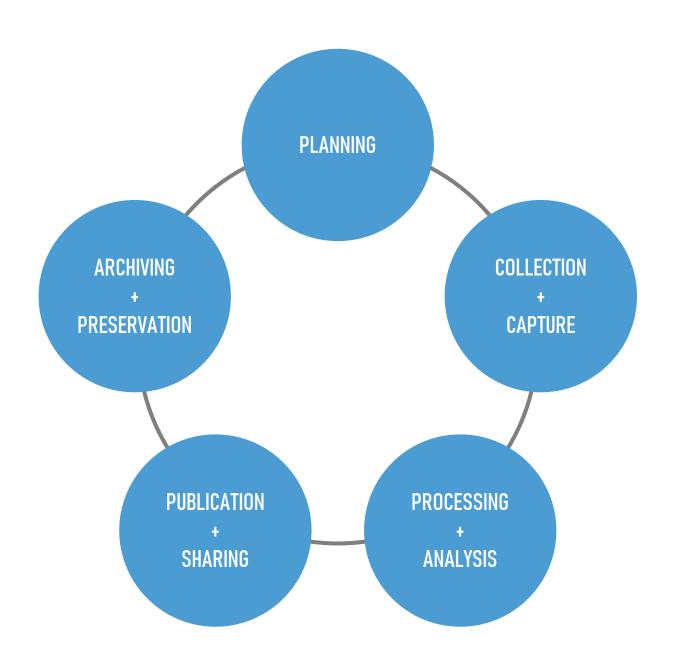


Scientific data underlying peerreviewed scholarly publications resulting from federally funded research should be made freely available and publicly accessible by default at the time of publication, unless subject to limitations...and should be subject to federal agency guidelines for researcher responsibilities regarding data management and sharing plans...

https://www.whitehouse.gov/wp-content/uploads/2022/08/08-2022-OSTP-Public-Access-Memo.pdf

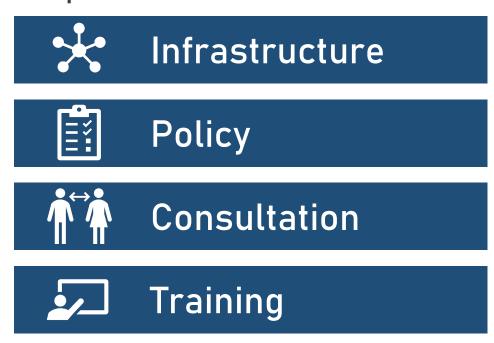


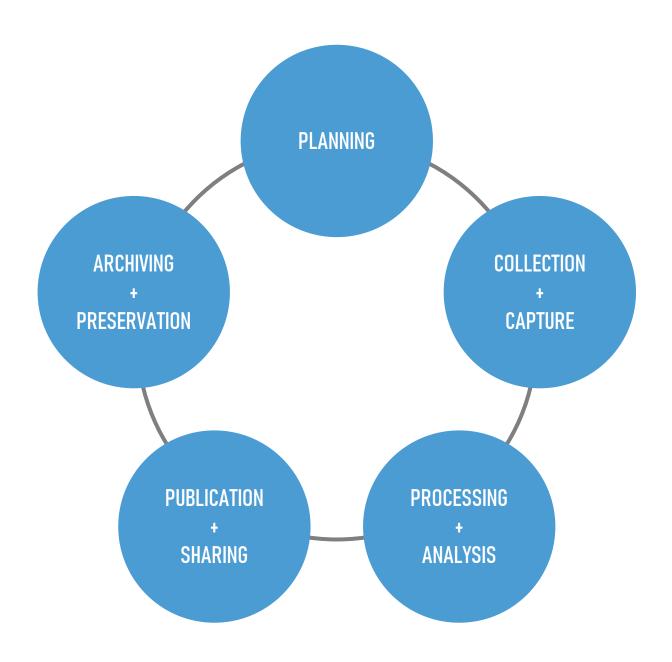






The Research Data Management Core coordinates stewardship of research data produced at the University of North Carolina at Chapel Hill.









- Establishing a campus-wide data support ecosystem that coordinates, integrates, and federates existing and new resources
- Hosting and maintaining UNC Dataverse for long-term data archiving and preservation
- Developing new technologies to address gaps in existing resources

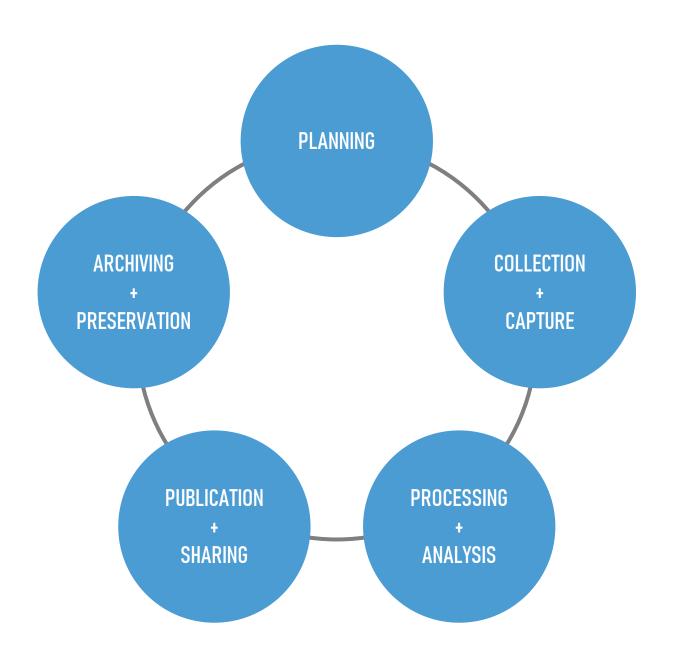


Policy



Consultation











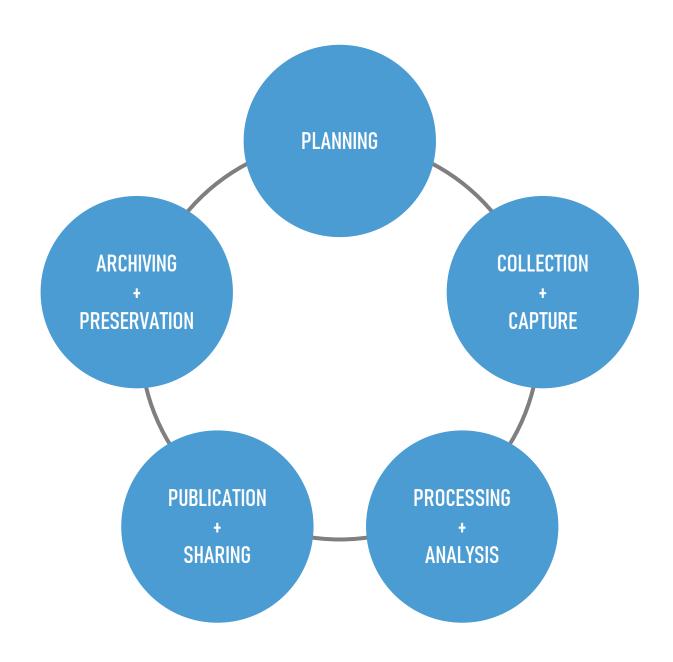
Policy

- Establishing a pipeline for pre-award data management and sharing plan review and audit
- Developing a tracking mechanism for data management and sharing plan implementation
- Monitoring data management and sharing policy updates and new policies



Consultation











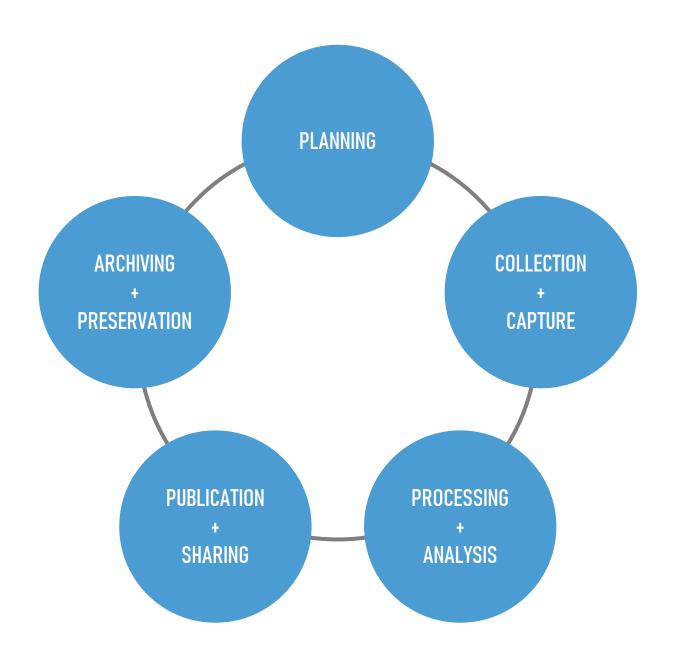
Policy



Consultation

- Developing, reviewing, and implementing data management and sharing plans
- Identifying policy-compliant trustworthy data repositories for preservation and sharing
- Referring investigators to research data management support units and experts at UNC and beyond











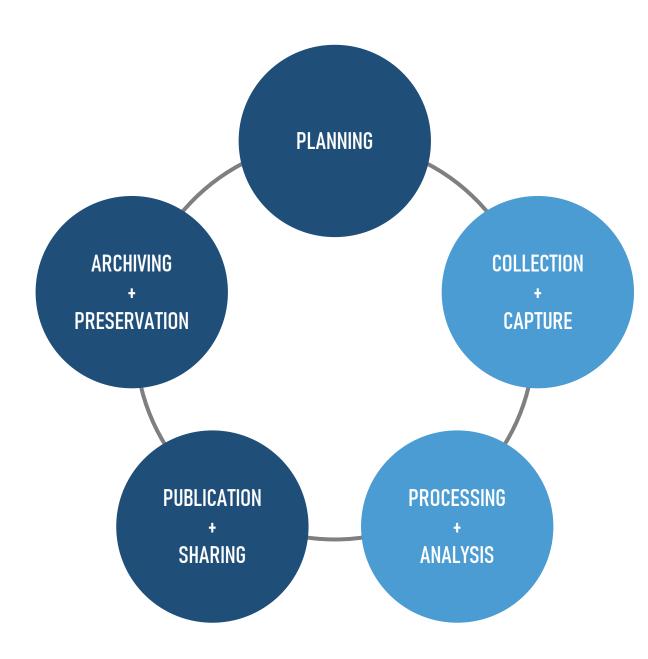
Policy



Consultation



- Research data management and sharing standards and best practices
- Data management and sharing policy requirements for compliance
- Use of research data management and sharing support platforms and systems



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Carefully review the policy, NOFO, and any other relevant policy guidance



Use DMPTool to draft the data management and sharing plan



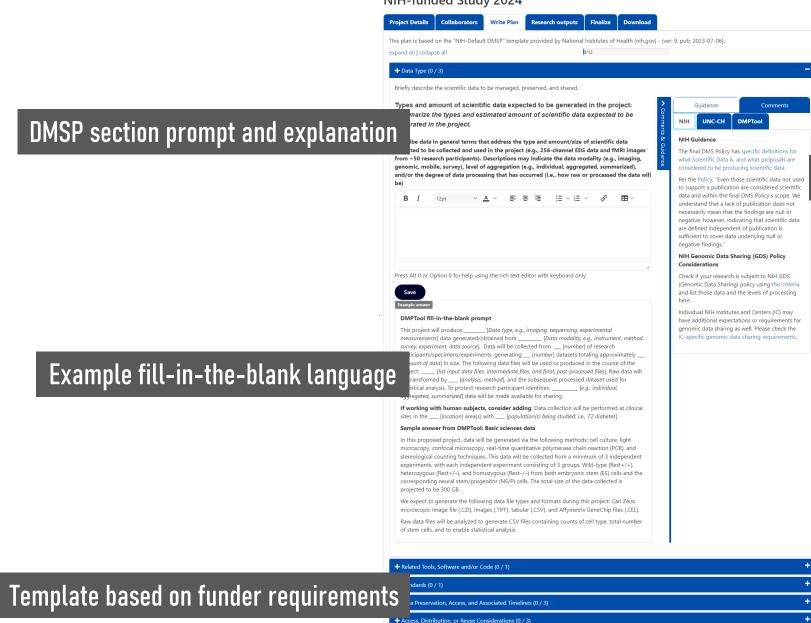
Request a DMSP review from RDMC ahead of the grant submission deadline



Provide data management and sharing information in the RAMSeS IPF

NIH-funded Study 2024

+ Oversight of Data Management and Sharing (0 / 1)



Funder and other additional guidance



Making best practice easier

https://dmptool.org

UNC RDMC Help Center / DMP Review and Help

DMP Review and Help

directly.

Welcome! Please select a service below for help.

Contact us about

Data Management and Sharing

What can we help you with?

Data Management Plan Review
Request UNC Research Data Management Core review of a data management plan created in DMPTool.

Raise this request on behalf of*

Enter name or email...

Summary*

Comparison of DMSP with funder policy and guidelines Evaluation of content for

Suggestions for improvement

adherence to policy guidelines

Referrals to service providers

Assessment of feasibility of DMSP implementation

Use this form to reques your plan, the Research https://researchdata.unc.edu/guidance/preaward/review/

UNC RDMC Help Center / DMP Review and Help

DMP Review and Help

directly.

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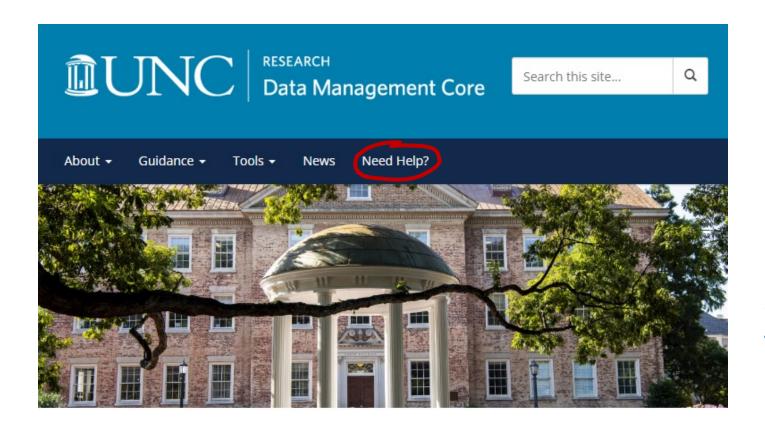
Enter name or email...

Summary*

Comparison of DMSP with funder policy and guidelines **Evaluation of content for** adherence to policy guidelines Referrals to sa

Use this form to reques your plan, the Research https://researchdata.unc.edu/guidance/preaward/review/

> Data Management and Sharing	
nformation and assistance are available via Research Data Management Core website.	
* Indicates Required Fields	
* Have you submitted a Data Management and Sharing Plan to the Research Data Management Core (RDMC) for review Yes O No	
* Enter the URL for the DMSP in DMPTool (example URL: https://dmptool.org/plans/99999).	Establish a mechanism for DMSP
Character Count 0 / 300	review, audit, and implementation
* Will managing and sharing project data require dedicated personnel, specialized equipment, and/or other services that a covered by the RDMC service fee? Yes No	are not
* Will your data include any of the following? Select all that apply:	
✓ Personally identifiable information (PII) or protected health information (PHI) American Indian/Alaska Native participant data	Ensure the availability of resources to support implementation of DMSPs
Proprietary/copyrighted data	to support implementation of DMSPs
☐ Genomic data	
Large volume data (>2 TB)	
Any other data that present ethical, legal, or technical issues that may limit your ability to share the data	
My data will not include any of the above	
* Enter the name(s) of the repository selections for preserving and sharing project data.	Track and catalog research outputs produced by UNC investigators
	produced by UNC investigators
Character Count 0 / 300	
* Will the project require any special provisions for data management and sharing that are not currently available at UNC- Yes O No	-CH?
Save Reset	

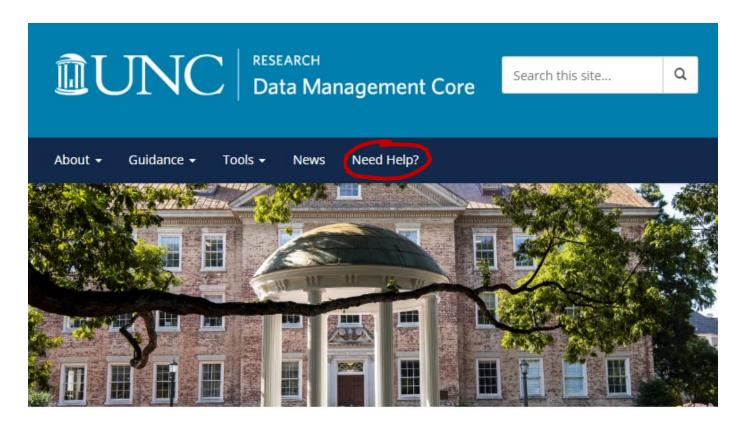




https://researchdata.unc.edu/

UNC Research Data Management Core

The Research Data Management Core (RDMC) provides UNC researchers with the necessary tools, knowledge, and support to manage and share their research data in compliance with funding agency mandates and data sharing policies effectively and efficiently.





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https://researchdata.unc.edu/



Jonathan Crabtree, PhD - RDMC Director jonathan_crabtree@unc.edu

Office of Sponsored Programs

Research

Administration

Forum &

Training

sessions



RDMC Fee: Key Reminders

Leadership from the Office of Sponsored Programs

February 28, 2024



AWARD CLASSIFICATIONS

Organized Research (OR) and Clinical Trials (CT & C4)

- OR includes all research activities conducted by the University that are sponsored by federal and nonfederal agencies and organizations.
 - Sponsored projects to support faculty research activities
 - Career Development awards to support faculty research activities
- CT & C4 include Clinical Trials conducted in hospital owned or University owned facilities.

Identifying the Classification on a Project

RAMSeS: General Tab

RAM Reports: Award Summary

F&A Activity Type: *

OR - Organized Research (110)

Award Purpose

Organized Research (110) (OR)



BUDGETING FOR THE RDMC FEE

- All proposals to be categorized as Organized Research or Clinical Trials need to budget for the fee in other direct costs (regardless of funding source).
 - Subcontract project IDs are excluded (SUBCON in RAMSeS)
 - Subaccounts are NOT excluded (SUBACCT in RAMSeS)
 - UNC as an incoming subaward is NOT excluded
- Rate and budget justification templates available on the <u>RDMC website</u>
 - currently for FY24, the rate is 0.38% of direct costs including all direct salaries and wages, applicable fringe benefits, materials, supplies, services, and travel.
 - If MTDC: budget for the fee on all directs excluding subcontracts
 - If TDC: budget for the fee on all directs
- RDMC fee is subject to F&A (indirect) costs
 - Infrastructure required to perform services of RDMC represent actual costs not recognized by the existing federally negotiated F&A or indirect cost model. Thus, operating expenses of the RDMC are not a part of the University's F&A rate calculation.



RDMC FEE ALLOCATION

RDMC fee is charged to sponsored projects as a monthly allocation similar to F&A.

- For example: During the period from 1/1 1/31, if \$1000 of direct expenses (salaries, wages, fringe, materials/supplies, services, travel) posts to the project, \$3.80 for the fee would charge to the project on **account 559011**.
- The charge would be available to view in RAM Reports within the first few business days of the following month.

		Expense	Expense
Category	Budget	MTD	FYTD
Other Direct Cost			
559011: VCR Research Data Mgmnt Fee	0.00	0.00	3.80

CONTACTS & RESOURCES



- RDMC Website (Pre-Award)
- OSP RDMC FAQs & RAFTs page



- OSPHelp@unc.edu
- RDMC@unc.edu

- Main Inbox: <u>SponsoredPrograms@unc.edu</u>
- Billing: <u>OSPBilling@unc.edu</u>
- Outgoing Subagreements: <u>OSPSubs@unc.edu</u>

- Contracting: <u>OSPContracting@unc.edu</u>
- Communications: OSPCommunications@unc.edu
- Training: <u>OSPTraining@unc.edu</u>

