# Training on FAIR Data Submission Guidance for EDRN

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# Data Sharing and FAIR (Findable, Accessible, Interoperable and Reusable) Data for EDRN NCI Requirements

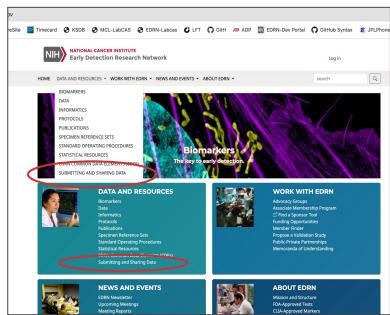
A primary goal of EDRN data collection is to ensure the reusability of the data by groups beyond those who originally collected it.

Per the <u>EDRN External Data Sharing and Reuse Policy Cycle V</u>, data must be made available for public use.

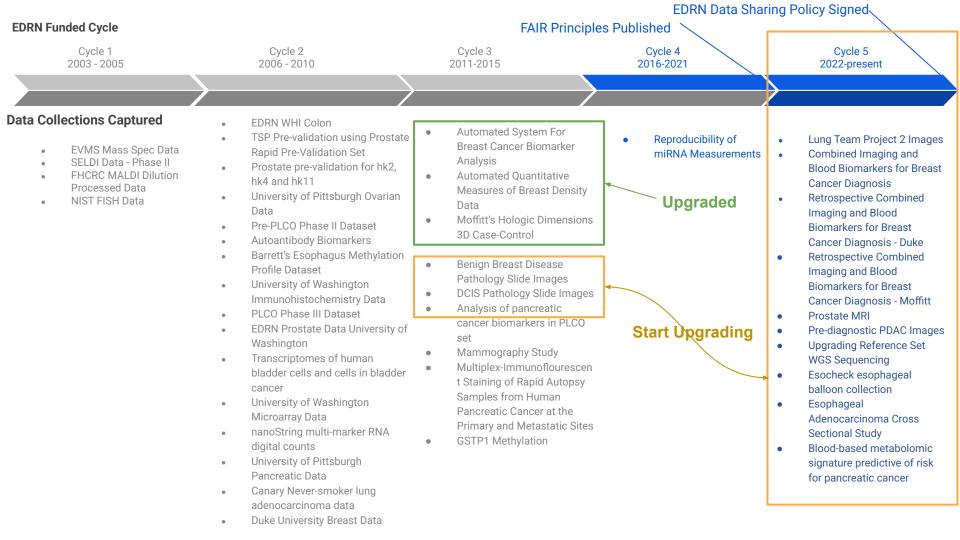
# To help EDRN sites transition to FAIR principles

Drafted and Approved by the Data Sharing and Informatics Subcommittee, – now posted to EDRN Public Portal:

- FAIR Data Submission Guidance for EDRN
- EDRN Roles for Making Data FAIR
- How to Submit New Data
- How to Update Existing Data
- Updated LabCAS Help Documentation



https://edrn.nci.nih.gov/

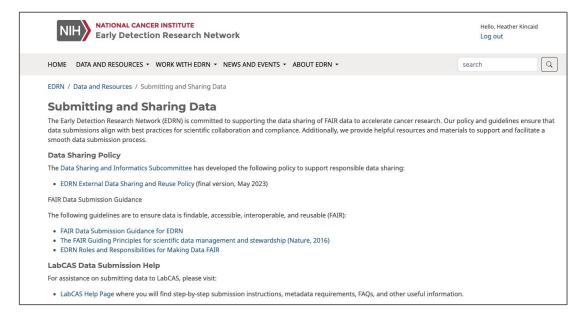


# **Essential Steps for Data Providers**

- Review EDRN Submitting and Sharing Data Page
- 2. Review the FAIR Data Submission Guidance for EDRN
- Submit New Data Procedure

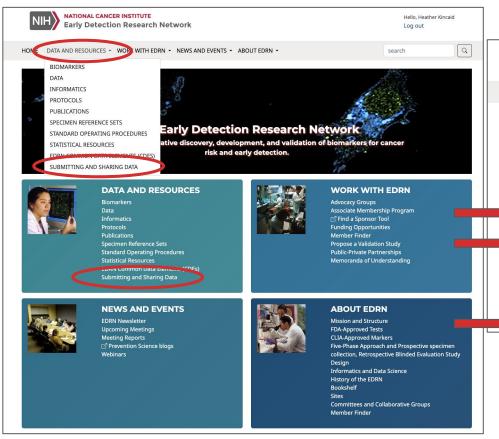
or

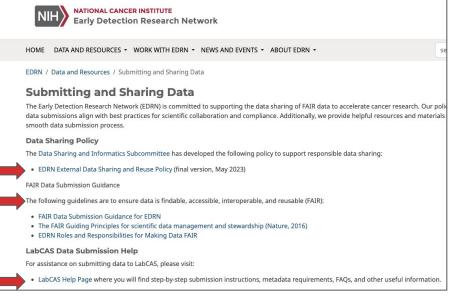
**Update Existing Data Procedure** 



# Submitting and Sharing Data

### https://edrn.nci.nih.gov/



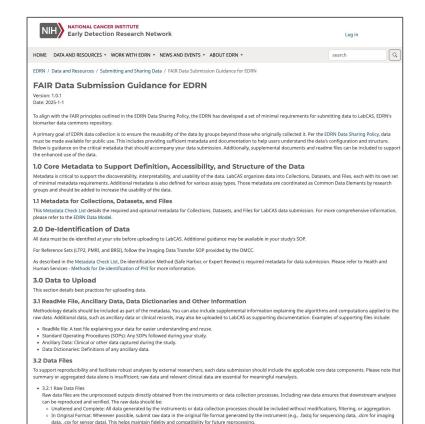


## Review the FAIR Data Submission Guidance for EDRN

The process is broken into five primary sections:

- 1. Core Metadata
- 2. De-identification
- 3. Data to Upload
- 4. Organization of Data
- Review and Verification

Need help? Contact JPL at any time.



o Accompanied by Essential Parameters: Ensure any instrument parameters or settings (e.g., calibration details, machine specifications) are documented, either

within the metadata or as a senarate parameter file.

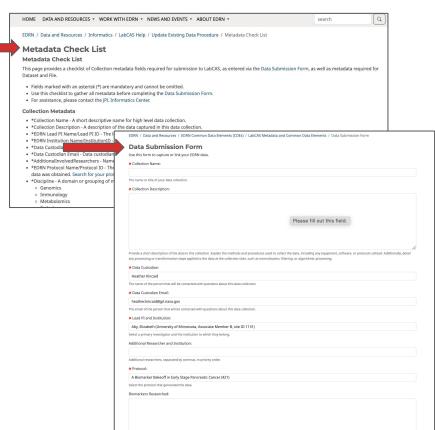
Core Metadata to Support Definition, Accessibility, and Structure of the Data

### Steps:

- Gather Metadata
- Submit via the FAIR Submission Process

### Key Required Fields to Support Reusability:

- Intuitive name for the data collection
- Description of the data collection
- Principal Investigator and Data Custodian
- EDRN Protocol (provided by DMCC)
- Instrument(s) used
- Method details
- Results and conclusions
- Description of data structure
- PubMed ID(s) (if applicable)
- Links to data and resource name (if data is linked, not deposited in LabCAS)



# Options for Sharing Data in Alignment with FAIR Principles

Deposit your data directly in LabCAS to ensure your dataset is:

- → Citable
- → Findable
- → Accessible
- → Reusable

if needed request a persistent identifier (DOI) to link to your publication

### OR

If your data is already deposited or will be deposited in a public NIH/NCI-supported FAIR repository:

→ Submit metadata only to LabCAS so it can be linked and made Findable and Accessible.

# De-Identification of Data

All data must be de-identified at your site before uploading to LabCAS.

# Data to Include in Upload

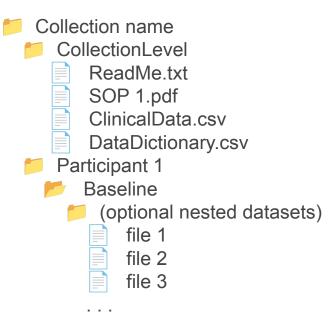
It's not *just* the data files—include supporting materials to make your data reusable:

- ReadMe File: A text file explaining your dataset, including supplemental details on algorithms or computations applied to the raw data—for easier understanding and reuse.
- Standard Operating Procedures (SOPs): Any SOPs followed during your study.
- Ancillary Data: Clinical or other relevant data captured during the study.
- Data Dictionaries: Definitions and descriptions of ancillary data elements.
- Any Other Useful Documentation: Additional materials that support interpretation or reuse of the data.

# **Data Organization**

Match the logical organization of your data.

### For example:



# Review and Validation of Data in LabCAS



During upload to LabCAS required metadata will be validated.

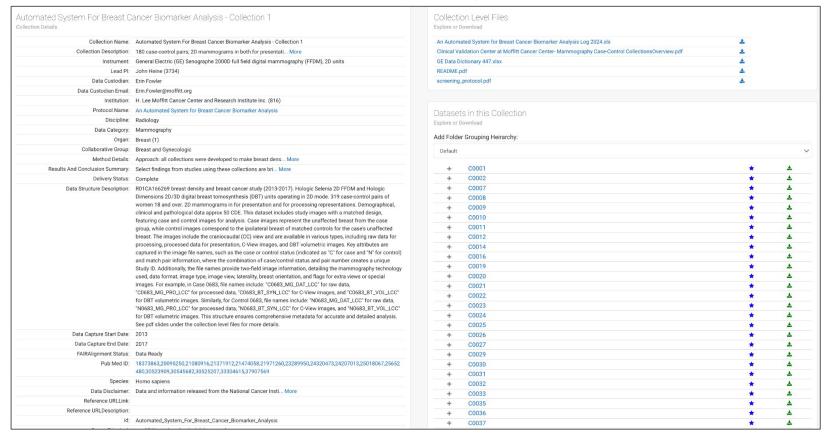
### Site and/or assigned domain expert must:

- Login to LabCAS
- Review and validate data in LabCAS.
- Ensure accuracy of metadata and data capture.
- Confirm that the data is usable and understandable by other researchers.

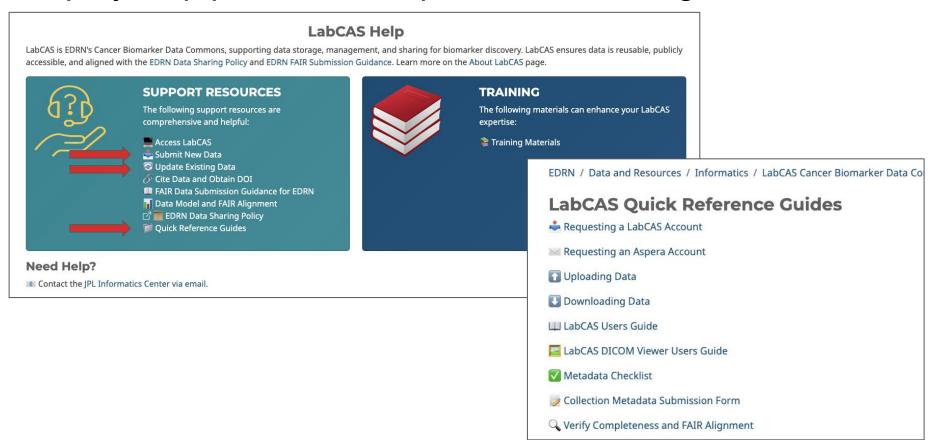
This step is *critical* to ensure the data can be shared and reused by the broader research community.

# Example of FAIR Data Collection in LabCAS

https://edrn-labcas.jpl.nasa.gov/labcas-ui/



# Step by step process and specific site training



# Questions?

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