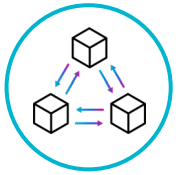
AD Workbench – An Expanding Ecosystem

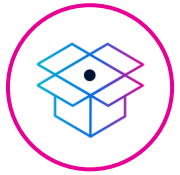
ADDI Alzheimer's Disease Data Initiative | AD Workbench

The AD Workbench is a global, cloud-based platform that provides the Alzheimer's disease research community with access to **data, tools, and resources under one ecosystem.** It includes secure workspaces, user-friendly workflows, and trusted data governance processes that enable data sharing and foster a cross-domain research environment. The AD Workbench is available to researchers at no cost.



• DATA

- Access a variety of **interoperable datasets** from contributors around the world dedicated to data collaboration.
- Currently available data include observational clinical trials, cohort studies, synthetic cohort studies, and synthetic brain images.



FEATURES, TOOLS & SERVICES

- Search and preview **curated and organized field-level metadata** before requesting access to improve data discovery.
- Leverage **off-the-shelf workflows** (e.g., NGS or GWAS pipelines) or share algorithms in a community docker repository.
- **Query federated data** when centralized or distributed access to data is not an option.
- Visit the **Knowledge Base** for useful information and "how-to" guides.

WORKSPACES

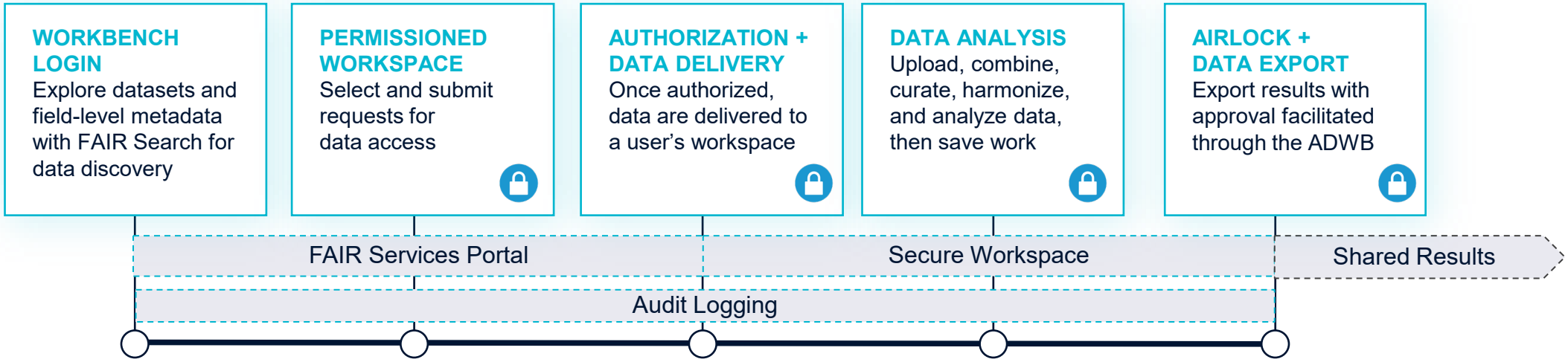
- **Upload, combine, curate, harmonize, visualize, and analyze data, then save work** in a secure workspace.
- Workspaces can be individual or shared with direct collaborators.

ADDI is working continuously to add more datasets and develop new tools, models, and algorithms to expand the existing suite of analytics. Through data sharing and collaboration, we can accelerate discoveries and innovations for Alzheimer's disease and related dementias.

Please reach out to ADDIUserFeedback@alzheimersdata.org with any thoughts you may have!

Data Access – Workflow, Authorization and Security Measures

Whether you are a data user or data provider, the AD Workbench puts data security front and center with an **end-to-end secure data access workflow** and **audit logging**.



- ADDI encourages data contributors to provide users with centralized data access (hosted on the AD Workbench) or distributed access (hosted on premise by the data contributor with metadata queried remotely; selected data may be transferred to a secure workspace).
- When centralized or distributed access is not an option, ADDI offers a federated solution where data is hosted on premise by the data contributor, metadata and record-level data are queried and analyzed remotely, and the approved results are transferred back to the user's workspace.

