



National Institute of
Diabetes and Digestive
and Kidney Diseases

Central Repository

NIDDK-CR Resources for Research

Data Science and Meet the Expert Webinar Series



May 28, 2026

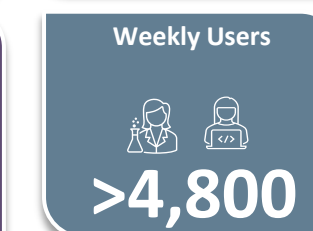
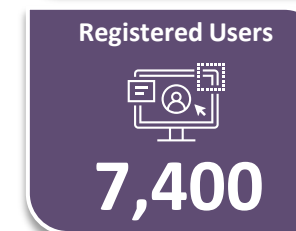
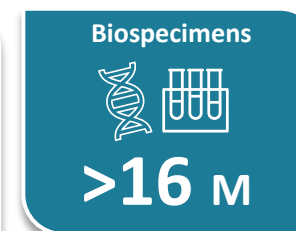
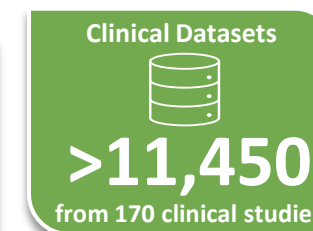
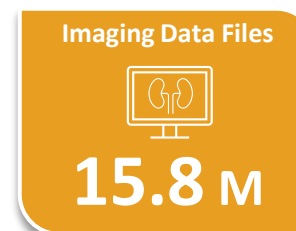
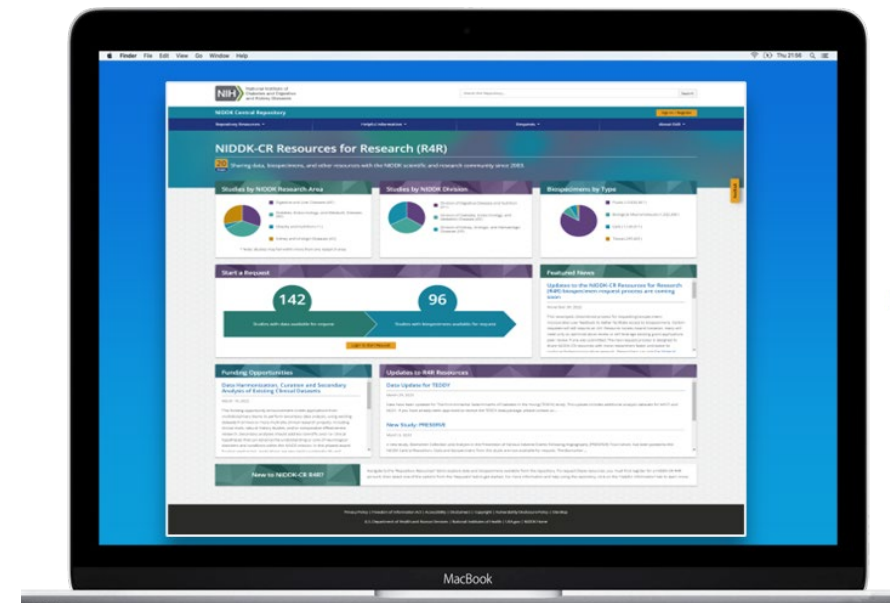


NIDDK Central Repository Overview

Mission

Established in 2003 to **facilitate sharing of data, biospecimens, and other resources** generated from studies supported by NIDDK and within NIDDK's mission by making these **resources available for request to the broader scientific and research community.**

- Supports receipt and distribution of data and biospecimens in a manner that is ethical, equitable, and efficient
- Enables investigators not involved with the original work to test new hypotheses without the need to collect new data or biospecimens
- Promotes FAIR (Findable, Accessible, Interoperable, and Reusable) and TRUST (Transparency, Responsibility, User focus, Sustainability, and Technology) principles



Recorded past tutorials, webinars, and other educational resources can be found on the NIDDK-CR website



NIDDK Analytics Workbench Environment

Streamlining end-to-end data science lifecycle and discovery of data-driven biomedical insights.

Innovation and ease of use

A cloud-based analytics environment where researchers and data scientists can access a suite of integrated analytics tools and cloud computing resources to participate in data challenges and AI innovation.

Expected Benefits of Analytics Workbench:

Promote Collaboration

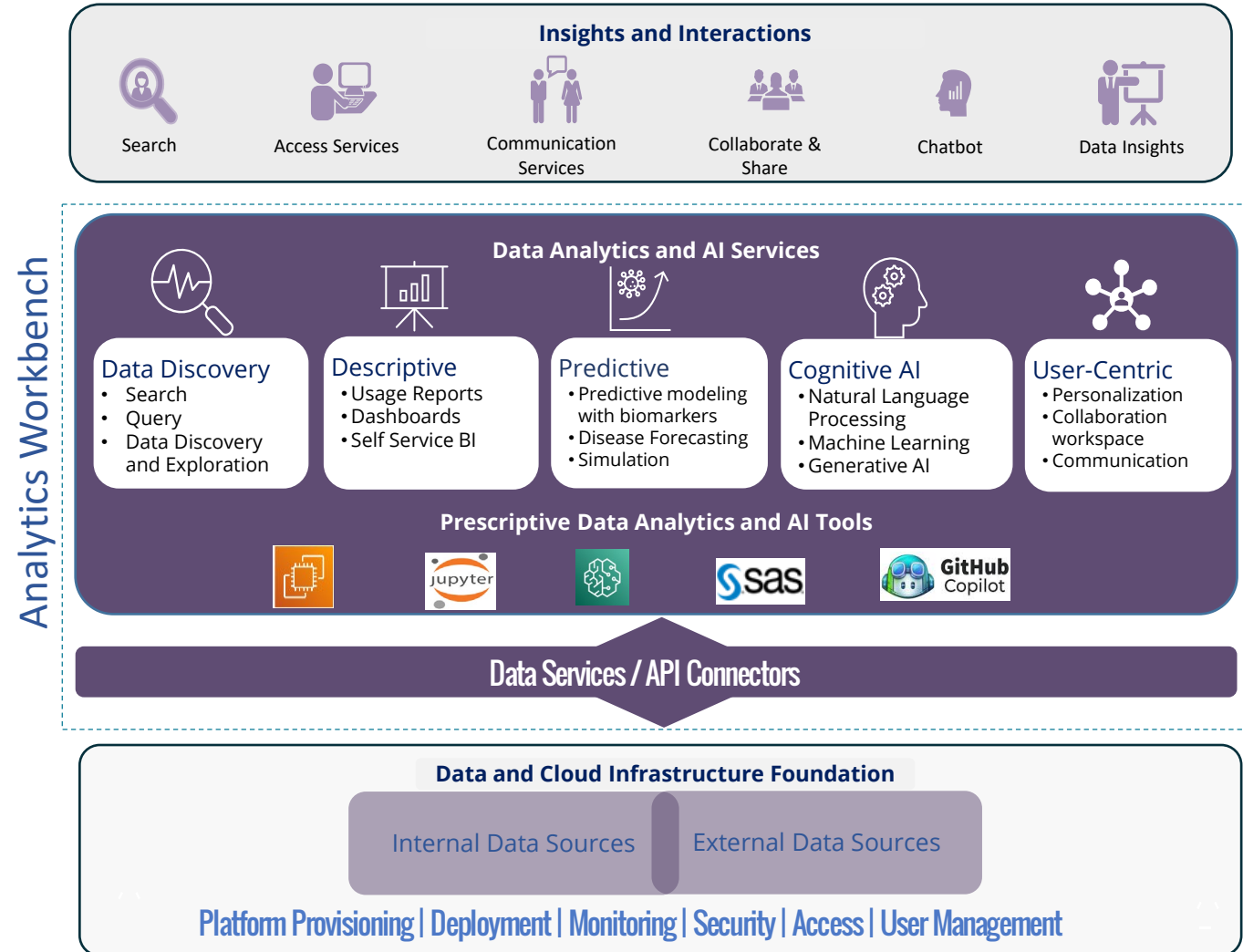
Support AI Innovation

Minimize Data Movement

Improve User Experience

Discover Data Insights

Advance NIDDK Research Mission





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Secondary Data Science and Meet the Expert Webinar Series

About the Series

- Aims to accelerate data science and AI-driven biomedical research by fostering collaboration between biomedical researchers and experts in the field
- Monthly webinar held the **last week of each month**

Upcoming Webinar

NIDDK-CR Analytics Workbench Tools Demonstration

- Date: **June 24, from 3-4pm ET**
- Presenters: Booz Allen Hamilton



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Meet the Experts

Nilesh Mistry is a Technical Leader and Software Engineer at Booz Allen Hamilton where he specializes in designing, building, and maintaining secure and performant cloud-hosted platforms. He has over 11 years of experience supporting the NIH across several ICOs (NICHD, NIDDK, NIDA, ODSS, NCI), including supporting the NIDDK Central Repository for the last 5+ years.





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Meet the Experts

Nicolas Bunzmann

*RAS Controlled Access Data Repository (CADR) Project
Manager*

Nicolas has 17 years of cybersecurity experience in Identity,
Credentialing, and Access Management within Federal Health.





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Stronger Identity-proofed Authentications using RAS

NIH Researcher Auth Service (RAS) provides consistent, secure, and streamlined access for open and controlled NIH data resources, enabling researchers to authenticate and transport their verified identity and authorization attributes across participating NIH Controlled-Access Data Repositories (CADRs).

NIH CADRs are required to integrate with NIH Researcher Auth Services (RAS) to enforce user:

- Authentication (AuthN) at NIST Authenticator Assurance Level 2 (AAL2) and
- Identity-proofing to identity Assurance Level 2 (IAL2).
- Authorization (AuthZ) is granted via the consumption of GA4GH Passport and Visas.

Users requesting access to NIH CADRs must complete identity proofing at **IAL2 or IAP High** if their existing account was created at a lower identity assurance level.



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RAS CADR IAL2 Demo





RAS IAL2 FAQs

Key Questions

Question	Answer
Why is IAL2 (or IAP High) required for CADR access?	A minimum of NIST IAL2 or REFEDS IAP High identity assurance levels are required to be compliant with NIH's stronger identity proofing standards when accessing CADRs. This ensures that a user's identity has been verified against real-world evidence. This level of assurance is required to protect sensitive research data and meet federal security and compliance requirements.
How do I meet IAL2 or IAP High requirements?	To meet IAL2 or IAP High requirements, you must complete identity verification through a supported Identity Provider (IdP) such as Login.gov and ID.me. The verification process may include: providing identifying information, verifying official documents, completing remote or in-person identity proofing
What IdPs are accepted for CADR access?	CADRs accept IAL2+ compliant Identity Providers, including: Login.gov, ID.me, NIH PIV Card, InCommon federation (REFEDS IAP High certified institutions). ID.me is the recommended IdP for international users.
What should users do if the IdP user account email address does not match the NIDDK CR R4R user account email address?	Users should ensure that the email address associated with their IdP account matches the email address used for their NIDDK CR/R4R account. For access to CADRs, the use of an organizational or institutional email address is required.
What should users do if they are having issues with phone number validation when completing Identity Verification and Multi Factor Authentication (MFA)?	Users experiencing phone number validation or MFA issues should contact the appropriate IdP support team for assistance, as these processes are managed by the IdP.



Helpful Links



IdP Resources:

- Login.gov: [Identity Verification – Login.gov Help Center](#)
- ID.me: Identity Verification – [ID.me Help Center](#)
- InCommon: [Identity Verification – InCommon Help Center](#)



RAS Documentation & Support Resources:

- [RAS Partner Developer Guide](#)
- [RAS User Guide](#)
- RAS CADR Team Support: nihrasteam@mail.nih.gov
- Additional guidance and onboarding resources are available for both users and CADR implementers.