RADx® Data Hub

This FAQ page provides answers to questions that users may have about the Rapid Acceleration of Diagnostics (RADx) Data Hub. It is organized into the following categories:

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General

What is the RADx Data Hub?

The RADx Data Hub is a centralized, cloud-enabled data repository. It provides analytic tools and de-identified RADx COVID-19 data access, allowing researchers to discover, access, and analyze data to promote secondary use and data sharing within the research community. The RADx Data Hub supports scientific efforts to better understand COVID-19 and underserved/vulnerable population morbidity and mortality disparities.

Do I need to create a RADx Data Hub account?

You do not need to create a RADx Data Hub account to browse study information and view public documents (e.g., metadata files and data dictionaries).

To use features like the Analytics Workbench, you will need an account. Create a RADx Data Hub account using your eRA Commons or NIH Login account. Then, register with your dbGaP account to ensure your approved studies will appear in your My Approved Data page.

For more detailed instructions on creating a RADx Data Hub account, see the tutorial.

To learn to create an eRA Commons account, visit eRA's registration directions.

How do I change my password or profile information (e.g., forgot password, update profile information, email preferences, etc.)?

The RADx Data Hub uses the NIH Researcher Auth Service (RAS) to manage authentication. For information about updating your password or other account information, please visit the RAS Login Help page.

Can my account be deactivated?

Yes, the NIH will deactivate your account if you violate the User Code of Conduct.

To deactivate your account, please contact the RADx Data Hub Administrator at RADx-DataHub@nih.gov.

How do I contact the Support team to report issues (such as bugs), suggest new features, or get questions answered?

There are three ways to contact the RADx Support Team:
- Login and use the "Contact Us" link in the top navigation bar
- Login and use the "Contact" widget on the side of the Home screen
- Email RADx Data Hub Support

How do I ensure new individuals joining my team can access the system?

The RADx Data Hub does not require an account to search studies and access publicly available information. If you are onboarding a new team member, however, they will need an eRA account or NIH Login to request study-level access to data files in dbGaP. Once they have an account, they will need to register for the RADx Data Hub using the same RAS login credentials they use for dbGaP.

To offboard a team member with an eRA account, contact the eRA Help Desk.

If you are offboarding a team member with an NIH account, ensure they follow NIH separation policies.

Data Organization in the RADx Data Hub

What kind of data are in the RADx Data Hub?

The RADx Data Hub hosts in-progress and complete RADx-UP, RADx-rad, and RADx Tech research study data. It also contains RADx DHT study metadata with links to the RAPIDS platform. Research data includes harmonized demographic and COVID-19 information (see Tier 1 CDE), as well as EHR, COVID testing, and digital health data and beyond.

What is the Global Codebook?

The NIH RADx Data Hub Global Codebook is the RADx-required Common Data Elements (CDEs) data dictionary. It contains precise mappings, organizing (C)DCC-specific Data Elements into 12 unique, required CDE categories.

Requesting Access to Data within the RADx Data Hub

Finding Data Files and Supporting Files

Metadata and data dictionary files are publicly available, so you can access them without logging in. You can find these files by navigating to the Data Files section of the Study Overview page for a study.

Harmonized and non-harmonized data files require study-level access from dbGaP. You must first request access to the study in dbGaP. Then, these files will appear in the My Approved Data tab.

For more on finding these files, please view the RADx Tutorial pages on these topics:
- Searching for Studies
- Viewing the Study Overview page
- Accessing My Approved Data

I want to use a RADx Data Hub study, but the data are not yet complete. How do I find out when the rest of the data will be available?

First, review the RADx Data Hub Content Updates section toward the bottom of the Home page. This section links to recently updated studies, and is updated every 90 days with information on:
- Newly registered studies
- Studies with updated files
- Studies with new files

If you can't find a particular study, use the "Contact Us" button in the top navigation menu to ask our team about data availability.

Why do I need to apply for access to studies through dbGaP in the RADx Data Hub?

The database of Genotypes and Phenotypes (dbGaP), archives and distributes study results and provides mechanisms to control personal health-related study data access. The RADx Data Hub relies on these mechanisms to protect human subjects, supporting data use agreement compliance and granting access exclusively to trained researchers with Data Access Committee-approved research plans.

Are there any costs associated with using the 'Analytics Workbench' in the RADx Data Hub?

Currently, NIH Office of Data Science and Strategy (ODSS) covers Analytics Workbench costs. This is subject to change.

How can I access older data file versions?

My Approved Data will only contain the current data file version. To receive an older version, please contact RADx-DataHub@nih.gov.

I got approved for data through dbGaP but I don't see it in my account. What should I do?

First, ensure you are logged into the RADx Data Hub using the same NIH Login or eRA account you used when requesting access to the study in dbGaP and visit the My Approved Data page. If you still don't see what you are looking for, reach out to RADx-DataHub@nih.gov.

Data Use and Compliance in the RADx Data Hub

What can I use to analyze data?

Researchers can use the RADx Data Hub in-browser analytics tools (Jupyter Notebooks or SAS Viya) or download the data into a CSV file for analysis.

Can I download data?

Yes, you can download data from either Sagemaker, SAS Viya, or your My Approved Data page. Please see the Workbench User Tutorial for more details.

I'm having issues getting started with SageMaker and/or SAS Viya. Who can I contact?

Login and use "Contact Us" link in the navigation bar or footer to submit analytics questions or email us at RADx-DataHub@nih.gov.

How do I request a larger compute instance?

Login and use "Contact Us" link in the navigation bar or footer to submit analytics questions or email us at RADx-DataHub@nih.gov.

How do I request a SAS or Data Wrangler license?

Please follow these steps:
1. Go to 'My Approved Data' in the RADx Data Hub.
2. Select 'Apply for Add-ons' in the top-right.
3. Fill out the required fields.
4. Submit your request.

Are there restrictions or limitations to use data that are available in the RADx Data Hub?

RADx Data Hub data are subject to the Data Use Certification Agreement you signed when you requested access to a study in dbGaP.

How long can I use the data I obtained from the RADx Data Hub?

The RADx Data Hub relies on dbGaP to manage study and associated data file access. Requested dataset(s) access spans one (1) year with the option to renew for an additional year at the end of each calendar year. To learn to renew your access, review the dbGaP renewals tutorial.

Submitting Data in the RADx Data Hub

Who can submit studies and data to the RADx Data Hub?

The RADx Data Hub accepts RADx program (RADx-UP, RADx-rad, RADx Tech, and RADx DHT) data. If you are not affiliated with these programs but would like to submit studies or data, please contact RADx-DataHub@nih.gov.

I have new datasets/documents to add to my study. How can I add these new items to my study?

Click "Data Submission" in the navigation bar's Data Submitter dropdown. This will bring you to the Data Submitter Dashboard. Once there, click "+New Submission," and follow the prompts.

How can I replace datasets/documents?

Note: The system automatically versions files. Be sure that the file you are uploading has the exact same name as the one you are replacing. Otherwise, the system will fail to create a new version and replace the file. Do not put "v.1" or any version information in the file name.

To upload a new version, go to the Data Submission dashboard and start a new submission. On the step one, be sure to upload a file with the exact same name as the one you plan on replacing and continue through the prompts in the workflow. In the Review and Submit step, you will be able to verify whether the upload will create a new version of your files. If all is correct, press "Submit," and the files will be sent to our data curation team for review. If there are no errors, the new files will replace your previous files in the system.

Can I edit study metadata in the RADx Data Hub?

After registration, you cannot edit RADx Data Hub study metadata directly in the system. To edit your metadata, please contact RADx-DataHub@nih.gov.

I have a study stored in the RADx Data Hub, but one of my study participants has withdrawn their consent. How do I remove the participant from the study data?

If a participant withdraws their consent, contact RADx-DataHub@nih.gov at your earliest convenience. We will remove the entire study dataset. You will need to provide revised study data, with the participant redacted, to replace your original submission. We will notify any data recipients of the situation when the redacted data are available.