

Start here!

OMOP Relevant Resources

- Skills Assessment Training (*All of Us* Featured Workspace)
- Types of *All of Us* Data and How They are Organized (*All of Us* Support Article)
- OMOP Clinical Data Tables (OMOP CDM v5.3 Resource)
- Athena: OHDSI Database for OMOP Codes (*All of Us* Support Article)
- How the Observational Medical Outcomes Partnership (OMOP) Vocabulary are Structured (*All of Us* Support Article)
- Exploring Concepts and Concept Relationships Within OMOP (*All of Us* Support Article)

All of Us Dataset Resources and Support Articles

- Data Dictionaries for Curated Data Repository (CDR) (*All of Us* Dataset Resource)
- Types of *All of Us* Data and How They are Organized (*All of Us* Support Article)
- How to Get Started with Registered Tier Data (*All of Us* Featured Workspace)
- Data Wrangling in *All of Us* Program (v7) (*All of Us* Featured Workspace)
- How to Curate a Cohort to Analyze
 - (1) Selecting participants: using the Cohort Builder tool
 - (2) Using the Concept Set Selector and Dataset Builder tools to build your dataset

Cloud Analysis Resources for the *All of Us* Workbench

- How do I Use Workspace Buckets to Save my Files in Notebooks? (*All of Us* Video)
- Storage Options Explained (*All of Us* Support Article)
- How to Run Notebooks in the Background (*All of Us* Analysis Resource)
- How to Monitor Your Cloud Analysis Environment (*All of Us* and GCP Analysis Resource)

Are you familiar with the OMOP Common Data Model (CDM) or the structures of the *All of Us* datasets?

No

Yes

Introductory Jupyter and Programming Resources

- What is the Jupyter Notebook? (Reference documentation from Jupyter Project)
- Introduction to Programming (Webinar by the NIAID and NIH)
- Notebooks and Code Snippets (*All of Us* Video)
- Project Jupyter (Main Website)

Introductory Cloud and UNIX Resources

- How do I Use Workspace Buckets to Save my Files in Notebooks? (*All of Us* Video)
- Introduction to UNIX (Webinar by the NIAID and NIH)
- Storage Options Explained (*All of Us* Support Article)

Introductory SQL Resources

- Introduction to SQL (Online Resource by W3 Schools)
- Intro to SQL: Querying and Managing Data (Online Resource by Khan Academy)
- SQL Style Guide (Online Resource by Simon Hollywell)

Introductory Python Resources

- Learn Python (At-your-own-pace course by Codecademy)
- Data Visualization with Python (Recorded Webinar by the NIAID and NIH)
- Python Data Science Handbook (Online book by Jake VanderPlas)

Introductory R Resources

- Programming with R (At-your-own-pace course by Software Carpentry)
- Intro to R and RStudio for Genomics (At-your-own-pace course by Data Carpentry)

Are you familiar with Jupyter Notebooks, cloud computing and UNIX, or programming with Python, R, or SQL?

No

Yes

Experienced SQL Resources

- Data Dictionaries for Curated Data Repository (CDR) (*All of Us* Dataset Resource)
- SQL Optimization (*All of Us* Support Article)
- BigQuery SQL Syntax (Google Cloud Resource)
- SQL Cheat Sheet (Online Resource by SQL Tutorial)

Experienced Python Resources


- Data Wrangling in *All of Us* [Python] (*All of Us* Featured Workspace)
- Python Data Science Handbook (Online Resource by Jake VanderPlas)
- Data Analysis with Python and Pandas (Webinar by the NIAID and NIH)
- Intermediate Python Best Practices (Webinar by the NIAID and NIH)

Experienced R Resources

- Data Wrangling in *All of Us* [R] (*All of Us* Featured Workspace)
- Advanced R Subsetting (Online Resource by Hadley Wickham)
- Logical Operators and Values (Online Resource by the University of Wisconsin-Madison)

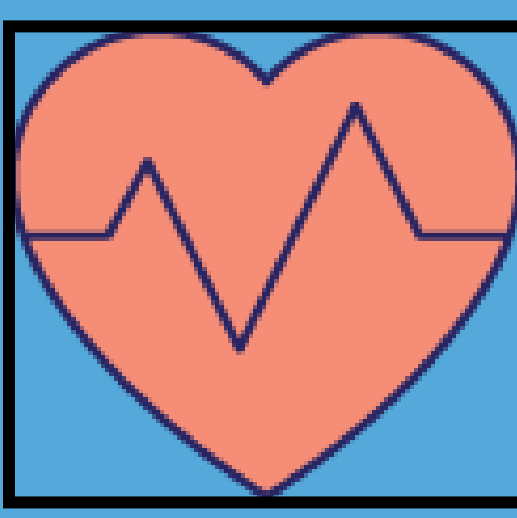
Ready to learn about the *All of Us* data types? Explore these resources below!

OMOP Organized Data




★ [How to Work with Registered Tier Data](#)

Wearable Device Data




★ [How to Work with Wearable Device Data](#)

Survey Data



★ [How to Work with *All of Us* Survey Data](#)

All of Us Genomic Data




★ [How to Work with *All of Us* Genomic Data](#)

Policy and Publication



★ [All of Us Research Program Policies for Researchers](#)

 Questions? Contact us at support@reasearchallofus.org or visit our [Event Calendar](#) here