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Learn more about the [Researcher Workbench](#)



Visit the [All of Us Research Program website](#)



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New Train-the-Trainer Program Available Expands Access

The Researcher Academy has launched a new Train-the-Trainer model that uses an asynchronous learning approach. The program is designed for researchers (prospective trainers) who are interested in teaching other researchers in their own labs, institutions, or professional networks to use the *All of Us* Researcher Workbench.



“We are excited about the potential to increase the number of researchers registered to use the Workbench by expanding access to the Train-the-Trainer program through a self-directed option,” said academy Principal Investigator Jen Uhrig. “The self-directed option does not have an enrollment cap and enables prospective trainers to work at their own pace while using a well-defined set of resources and instructional materials.”



The program’s free training materials are designed for individuals who have used the Workbench and are proficient in R or Python. In an evaluation, these materials increased skills and confidence in using the Workbench among researchers without previous Workbench experience.

Materials include the following:

- A series of video-recorded training workshop modules
- A detailed training manual and PowerPoint deck to use for teaching others how to use the Workbench
- A syllabus of training topics, techniques, resources, and milestones
- Templates for preparing a training implementation plan and for email communications between trainers and trainees
- Resources for trainees, including the Researchers’ Guide to Using the Workbench, User Tips for Avoiding Common Workbook Challenges, and an analysis plan template

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- Strategies for supporting trainees to take the next steps to register for the Workbench and to conduct an analysis of *All of Us* data.

Yesol Sapozhnikov, a postdoctoral fellow at the University of Idaho, shared her learning experience with this new resource: “I am piloting a workshop at my institution to help students and researchers who are interested in a project using the *All of Us* data. I watched the recorded presentations and really appreciated tips from the experienced trainers who know where beginners tend to struggle. Being able to share resources like the Researchers’ Guide with my participants was also very helpful.”

[Complete this form](#) to sign up for the program and access the materials. ■

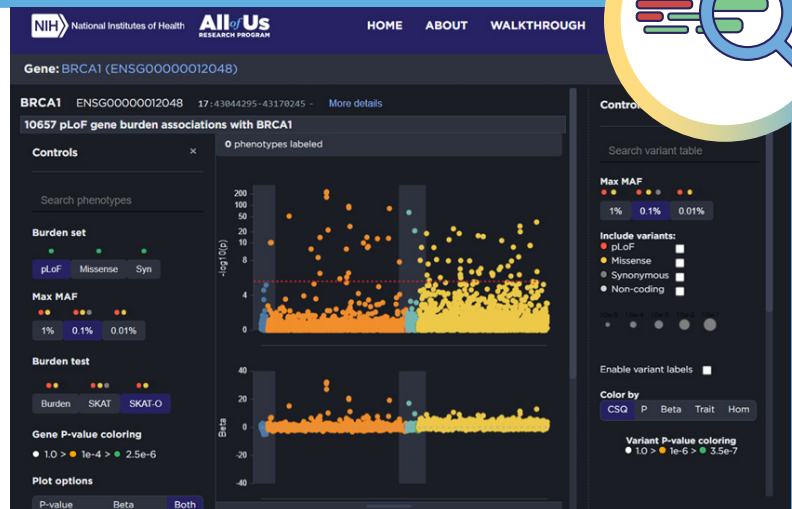
All of Us Announcements

ALL BY ALL BROWSER LAUNCH:

[All by All](#) is a powerful and publicly accessible tool that maps gene variants to health characteristics. The browser brings together billions of association results into a single, intuitive experience, making it easier to visualize patterns and identify potential signals for follow-up research. All by All helps researchers more quickly sift through the *All of Us* data and illuminate patterns and associations that could be relevant to their area of study. This tool creates new opportunities for understanding the influence of rare variants on human traits and is designed to make large-scale genomic insights more accessible to the research community.

With the All by All Browser, researchers can do the following:

- Explore gene-based and single-variant associations across 3,500+ phenotypes
- Analyze data from nearly 400,000 participants with exome and whole genome sequencing (*All of Us* CDRv8)
- Quickly navigate between genes, variants, and phenotypes
- Explore results by mutation class (e.g., predicted loss-of-function, missense, synonymous)
- Generate hypotheses, validate findings, and investigate understudied conditions





COMING SOON: The CDRv9 data release is anticipated to launch in summer 2026. Registered researchers can look forward to the following release highlights:

- Expanded genomic data that include whole genome sequences from approximately 535,000 participants
- First-ever release of Clinical Notes data, including NLP-extracted concept codes
- Expanded digital health technology data: Fitbit data for ~68,000 participants and Apple HealthKit data for 20,000 participants coming later this year—the largest public Fitbit dataset available
- New multi-omics, environmental, and geospatial data coming in an off-cycle release shortly after launch

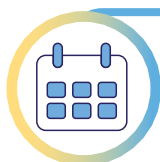


NOTICE OF FUNDING OPPORTUNITY: Enabling Access to *All of Us* Participant-donated Biospecimens

With the release of PAR-26-127, [“Accelerating Discovery through Partnered Research with *All of Us* to Analyze Participant Biospecimens \(X01 Clinical Trial Not Allowed\),”](#) *All of Us* will advance its mission in three distinct ways:

- Enable access to biospecimens to accelerate research and medical breakthroughs
- Advance individualized prevention, treatment, and care
- Add data to the *All of Us* Researcher Workbench.

Researchers can propose analyses that include, but are not limited to, biomarker discovery, biomarker validation, novel disease stratification, and/or multi-omics integration for disease risk, diagnosis, and prognosis. Submit questions to AoUAncillaryStudies@od.nih.gov.



EVENT ALERT: 2026 AIM-AHEAD Annual Meeting

The 2026 [AIM-AHEAD Annual Meeting](#) will be held in San Diego, CA, July 6–9, 2026. This meeting will convene researchers, institutions, community partners, and program leaders from across the country to share insights, showcase innovation, and strengthen the national AIM-AHEAD ecosystem. The event will be a good opportunity to connect with innovators driving the future of AI/ML in health.

Academy Announcements.....

New Publications

Education Sciences recently published **“Evaluating an Experiential Learning Approach to Training and Supporting Early-Stage Researchers,”** which was co-authored by academy staff members and focuses on two cohorts of the *All of Us* Researcher Academy Internship Program. Evaluation results revealed that 90% of interns strongly agreed that overall research skills and self-efficacy improved through their involvement in the program, and 80% reported interest in future use of the Researcher Workbench. Interns offered positive feedback on their mentorship experiences and reported a strong sense of support and belonging. The academy is grateful to the internship program evaluation study participants for sharing feedback about their internship experience.

Daniel Sabatier Minarim, University of California, San Diego—a member of the academy’s Train-the-Trainer Program—has a new publication out looking at health care experiences and outcomes among transgender, gender-nonconforming, and nonbinary (TGNCNB) individuals with cancer. This study quantifies experienced health care discrimination among TGNCNB individuals living with cancer and its impact on their health. This cross-sectional analysis used data from the *All of Us* Research Program. [Read the article in *Cancer*.](#)

Call for Papers

The *American Journal of Public Health (AJPH)* Student Think Tank invites student submissions for an upcoming AJPH featured section titled **“Reimagining a Public Health Workforce for the 21st Century: Increasing Engagement and Being Responsive to Future Challenges.”** This featured section aims to reinvigorate the next generation of public health professionals by capturing diverse student perspectives on their paths to public health, as well as how they envision public health will move forward to meet the evolving public health landscape.

Submission Deadline: September 1, 2026, 11:59 p.m. EST

[Learn more about this opportunity.](#)



***All of Us* Data Use Case Webinar Series**

The ***All of Us* Data Use Case Webinar Series** concluded this spring with two webinars hosted by the Researcher Academy that explored methodological challenges and innovations related to using the Researcher Workbench.



RTI International's Angela Gasdaska, MS, and Daniel Brannock, MS, presented **Introduction to Phenotyping in *All of Us*** on March 12. They explained how phenotyping is often the first step of electronic health records (EHR)-based research despite the fact that EHR data are not designed for phenotyping. This makes it difficult to use with *All of Us* data. Brannock and Gasdaska shared a framework delineating the kinds of questions researchers should ask when developing a phenotype. Steps include (1) defining the research question, (2) searching existing validated phenotypes and resources, (3) exploring available data in *All of Us*, (4) outlining phenotype requirements, (5) creating clinically reviewed concept sets, and finally, (5) implementing the phenotype. Key takeaways centered on recognizing that phenotyping requires deliberate design choices based on the research question. There is no universal "correct" approach, and each decision involves sensitivity vs. specificity trade-offs.



RTI's Ryan S. Paquin, PhD, presented **Planning Your Data Analysis on the *All of Us* Researcher Workbench** on April 20 as the final webinar in the three-part series. He introduced a use case example aimed at estimating the percentage of *All of Us* participants who live in a rural setting, a community group that has not been well represented in research to date. Past research on rurality in the *All of Us* Research Program has been limited to a proxy measure. However, the measure does not align with the program's definition of rurality and most likely underestimates the prevalence of rural participants in the program.

Dr. Paquin walked through his analysis approach, which involved developing an indirect measure of rurality based on participants' 3-digit ZIP Code using external data from the U.S. Census Bureau's 2023 American Community Survey. Key takeaways emphasized the importance of planning ahead, which included defining a clear and focused research question, leveraging the *All of Us* Researcher Hub to identify available data, and developing an analysis plan to guide your work.

Watch all three webinars in the series, and [explore our course catalog](#) for additional learning opportunities.

- [Assessing the Generalizability of Prevalence Estimates from the *All of Us* Research Program](#)
- [Introduction to Phenotyping in *All of Us*](#)
- [Planning Your Data Analysis on the *All of Us* Researcher Workbench](#)

GRADS-4C 3rd Annual Research Symposium

Academy coach **Dr. Javan Carter** hosted a session on the Researcher Workbench 2.0 at the GRADS-4C 3rd Annual Research Symposium on June 8–9 in Greensboro, NC. The symposium focused on the future of cloud computing education in data science, genomics, and health. Researchers, educators, students, and industry partners used the cloud as a classroom and student research tool, learning how to leverage large NIH data sets, cloud platforms like [NHGRI's AnVIL](#), and the *All of Us* Researcher Workbench.



HBCU Engage 2026

Dr. Sula Hood, Researcher Academy Co-Lead, attended the HBCU Engage Conference in Cary, NC, March 25–26. Dr. Hood led a lunch table topic discussion on the NIH *All of Us* Research Program and introduced many attendees to the Researcher Workbench, RTI's AMAZE learning platform, and NIH's 2026 Science Day. The following Researcher Academy Institutional Champion colleges and universities were represented by conference attendees: Fayetteville State University, Howard University, Jackson State University, Meharry Medical College, Morgan State University, North Carolina Agricultural and Technical State University, North Carolina Central University (NCCU), Shaw University, and Tuskegee University.



All of Us Researcher Resources

[*All of Us* Research Hub](#)

[Researcher Engagement Hub](#)

[*All of Us* Researcher Academy](#)

All of Us Science Day Shout-Out



All of Us Science Day 2026 was held on Wednesday, April 15, highlighting a magnitude of impactful research being conducted on the Researcher Workbench to improve health for everyone. Academy members with ties to the Researcher Academy Internship Program, AIM-AHEAD Training Program, and Train-the-Trainer (TTT) Program showcased their *All of Us* research at this exciting event. You can still register and [watch recorded sessions](#) through June 30, 2026!

- **Pamela Djan**, a former Researcher Academy intern and current PhD candidate at Meharry Medical College, presented her abstract, *“Exploring the Association Between Smoking Status and Tumor Mutation Patterns in Lung Cancer: Analysis from the NIH All of Us Program,”* during Session 7B: How Researchers Are Using Data and Technology to Drive Better Health.
- **Daniel Sabater-Minarim**, a TTT Site Trainer and researcher at University of California, San Diego, presented his research on how genetics, health, and social factors influence cancer risk and outcomes during the Participant Forum and Closing Session.
- **Wesley Godfrey**, a former AIM-AHEAD Trainee, current TTT Site Trainer, and MD-PhD candidate at Johns Hopkins School of Medicine presented his research on social determinants of health in eye disease during Session 6E: Artificial Intelligence and the Future of Health Research: Unlocking Insights with *All of Us* Data.
- **Dr. Sueny Lima dos Santos**, a former AIM-AHEAD Trainee and current TTT Site Trainer, presented her research on the quality of antenatal care and pregnancy outcomes during Session 6E: Artificial Intelligence and the Future of Health Research: Unlocking Insights with *All of Us* Data.
- **Daniel Brannock**, a Research Data Scientist at RTI International and Workbench Coach for the AIM-AHEAD *All of Us* Traineeship, was among the panelists during Session 6E: Artificial Intelligence and the Future of Health Research: Unlocking Insights with *All of Us* Data.
- **Vincenzo Malo**, a former Researcher Academy Coach and current PhD student at the University of Washington presented the poster *“Investigating the Relationship Between Social Support and Health Care Barriers Among Sexually and Gender Diverse Young Adults in the United States and Presentation,”* which was co-authored by Vaughn Armbrister, Trey-Rashad Hawkins, Stefanee Tillman, Javan Carter, and Megan Lewis. This presentation was during Session 3D: Examining Health at the Intersection of Biology, Environment, and Identity.



Science Day



Lessons Learned: Site Trainer Insights

In February, the Researcher Academy launched a supported Train-the-Trainer Program that included initial in-person or virtual training workshops and ongoing support from the academy's Workbench coaches. Researchers who had prior engagement with the academy or other *All of Us*-supported programs were invited to apply. Twelve researchers were selected to participate in the program and develop a training implementation plan for teaching fellow researchers.

We recently asked these Site Trainers to tell us about their experiences, motivations, and challenges while championing Researcher Workbench training at their labs and institutions. As they shared their insights, several key themes emerged, including the importance of adaptability, engagement, and enhanced institutional research capabilities.

Here's what they had to say.

Flex and Adapt

Dr. Oyomoare Osazuwa-Peters, Duke University School of Medicine, emphasized the importance of flexibility and adaptation in her trainer journey. She transformed a text-heavy curriculum into a visual and interactive format to engage a broad audience at Duke, fostering excitement and collaboration around the *All of Us* database. "I learned I can stay calm when things go sideways," she says. "When the whiteboard's AI summary tool failed mid-workshop, I spotted the patterns myself, summarized them out loud, and moved on. Being a trainer doesn't mean having every answer or every tool work—it means modeling how to adapt."



Create Supportive Training Environments

Dr. Feseha Abebe-Akele, Elizabeth City State University, stressed the importance of structured mentorship for trainees and trainers alike. As he planned his training sessions, he thought about things like pacing, communication style, and strategies for making the material accessible to individuals with varying levels of prior experience. "People are often expected to learn complex procedures with minimal assistance due to a blanket assumption of 'sufficient' background knowledge," he says. "I wanted to help create a more supportive and easy-to-follow training environment where participants, especially students, could build confidence at their own pace and avoid preventable mistakes."



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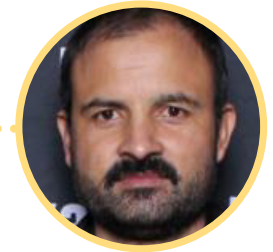
Build Awareness from the Inside Out

Dr. Diego R. Mazzotti noted an increased interest in the *All of Us* Research Program and access to the *All of Us* dataset at his own institution once he started training—an interest that continues to expand beyond the university footprint. “There is a much greater awareness of *All of Us* at University of Kansas Medical Center, and I’ve been invited to give external presentations on behalf of the university about it since my involvement,” he says. “My institution sees the benefits and has helped me make sure the training program can be reached by all.”



Expand Researcher Engagement

Dr. Shakeel Ahmed acknowledged that his role as a site trainer was instrumental in engaging faculty and early-career researchers at Texas Tech University Health Sciences Center more deeply with the *All of Us* platform. “Prior to this initiative, awareness of the program’s potential to address a wide range of research questions was limited to only a few individuals here,” he says. “Through training and outreach, I helped expand this knowledge base and brought more researchers into the process. This has fostered greater interest, participation, and collaboration at our site, enabling a broader group to leverage the platform for meaningful research.”



Focus on Practical Teaching

Dr. Sueny P. Lima dos Santos, University of Missouri–Columbia, has a background teaching public health. Now, as a site trainer, she is focused on helping others move past the initial barrier of working with data and making it more usable for a real public health impact. “I’m learning how to turn technical content into something practical,” she says. “I’m thinking more about how to structure training step by step and anticipate where people struggle. This helps me focus on clarity and real use, not just explaining concepts. It also makes me think more about impact beyond my own research.”



Give Back and Grow

Dr. Weize Wang reflected on her role as a trainee with the Institutional Champions team at Florida International University (FIU) and the strong leadership support she received from FIU’s Dr. Mariana Sanchez when she decided to become a site trainer. In her new role, she is able to share key resources, support novel research projects, and enable more interdisciplinary collaborations across FIU. “Becoming a trainer,” she says, “allows me to give back by helping other researchers at our university use this powerful resource to advance meaningful public health and biomedical research.”



Workbench Watch

Navigating the Researcher Workbench 2.0 Migration

The *All of Us* Researcher Workbench 2.0 is officially live, bringing upgrades like Verily infrastructure, advanced GPU support, and native JupyterLab integration. Now is the time to review and clean existing workspaces to ensure they are ready to migrate. This includes categorizing workspaces, deleting any workspaces or files that are no longer applicable, and updating workspaces using CDR v7 or older to the latest version.

As you prepare for the mandatory transition by June 30, 2026, here are five essential tips for a smooth shift:

- 1 Active Migration Tool:** The migration tool is now live and operates as a “copy and convert” process, allowing you to retain access to your 1.0 environment. You cannot selectively migrate files, so thoroughly clean your workspace directories before initiating the transfer. Alert: Workspaces carrying a funding or credit deficit are completely blocked from migrating until the balance is resolved.
- 2 Ephemeral Compute:** Reattachable persistent disks are gone. If you delete your environment, unsaved local data are destroyed. Use the “automount” feature to continuously sync directories to your secure workspace bucket.
- 3 Permanent Billing:** Linking a billing pod during workspace creation is irreversible. To change funding sources later, you must duplicate the entire workspace.
- 4 Delete to Halt Costs:** A “Stopped” environment only pauses CPU charges; storage costs still accrue. To end all financial liabilities, you must fully “Delete” the instance.
- 5 Manual Cohort Refreshes:** The Data Explorer no longer auto-updates. You must click the “Apply” button to refresh participant counts after modifying criteria.

The legacy system will no longer be accessible after June 30, 2026. Adapt your data management practices today to ensure uninterrupted research and stay informed about [Researcher Workbench 2.0 updates and resources](#).

***All of Us* Researcher Academy**

The [All of Us Researcher Academy](#) provides training and technical assistance to researchers who are conducting research with the [All of Us Researcher Workbench](#), the cloud-based analytics platform where registered researchers can access data contributed by *All of Us* participants. The academy also supports peer-to-peer learning and network-building among researchers and students.

***All of Us* Researcher Academy Partner**



[**AllofUs.nih.gov**](https://AllofUs.nih.gov)

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