All of Us RESEARCH PROGRAM | Researcher Academy

Connections

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IN THIS ISSUE

- New Researcher Engagement Hub
- Announcements
- Researcher Workbench News
- Institutional Champion News: Florida International University
- Researcher Academy Webinar Series Event Recap
- Spotlight: Mariana Sanchez, PhD
- New Genomics Analysis Courses

All of Us Launches New Researcher Engagement Hub

The *All of Us* Research Program and its partners host a wide range of events and activities designed for researchers at every skill level, career stage, and degree of familiarity with the Researcher Workbench.

The new Researcher Engagement Hub is the go-to resource for information about upcoming opportunities for *All of Us* researchers, including trainings, events, and other engagement activities.

The hub is managed by the *All of Us* Researcher Engagement and Outreach (REO) team, who are charged with building bidirectional relationships with researchers and their communities across all career stages and institution types. Their main goal is to develop a broad researcher community that is using the *All of Us* dataset to advance health research.

Featured programs are tagged to one or more of five audience groups: K12 audiences and teachers; undergraduate, graduate, and medical students; postdoctoral trainees and early-stage investigators; established investigators; and community and citizen scientists. Users can search the hub using a number of parameters to identify opportunities. These include type of program (e.g., workshop, event, technical assistance), delivery method (e.g., in-person, online), status, and organizer.

In addition to connecting researchers with *All of Us* offerings and partner programs, the hub provides links to FAQs, NIH funding opportunities, and publications authored by the REO team and partners. You can also learn more about the REO team and explore engagement partners.

Learn more about the Researcher Workbench

Visit the *All of Us* Research Program website

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Academy Announcements

Upcoming Webinar: Planning Your Data Analyses on the *All of Us* Researcher Workbench

April 20, 2026, 1:30 PM–2:30 PM ET

RTI international's Ryan Paquin, PhD, will introduce participants to the Researcher Workbench and walk through important steps in the research process:

1. Developing specific research questions that are feasible to answer using the *All of Us* dataset
2. Using publicly available resources on the *All of Us* Research Hub to see what data are available
3. Developing an analysis plan

The presenter will use a real-world use case as an example, assessing associations between rurality and social factors of health in the *All of Us* sample as compared with the U.S. population.

This event is part of the *All of Us* Data Use Case Webinar Series: Methodological Challenges and Innovations hosted by the *All of Us* Researcher Academy.

Register for Planning Your Data Analyses today!

New Generalizability Tool and Journal Article

The waou R package and a new article published in the *American Journal of Epidemiology* provide public health researchers with an easy-to-use tool and assessment framework. The article, "Assessing the Generalizability of Prevalence Estimates from the *All of Us* Research Program," shows how to adjust estimates to align with the U.S. population, compare them to a national benchmark (National Health Interview Survey), and explore subgroup analyses.

Read "Assessing the Generalizability of Prevalence Estimates from the *All of Us* Research Program" to review the methods and framework.

Access the waou R package and documentation.

Researcher Academy Trainings and Resources Available

Since its inception, the Researcher Academy has developed 15 courses in collaboration with expert instructors, along with numerous other materials to help you build skills and expand your knowledge base. Materials from those courses are now available online whenever you are ready to access them. Topics include data analysis, genomics analysis, writing and publishing, and other subjects like ethics and time management. The **Researcher Academy Course and Resource Catalog** provides a description of each offering and corresponding materials, which you can access and complete asynchronously. The catalog also contains instructions on how to set up your Amaze account and bio.

Email AllofUs_Academy@rti.org if you have questions.

All of Us Announcements

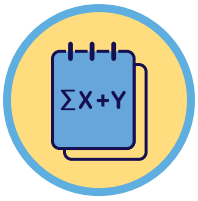
New *All of Us* Researcher Workbench video: This 2-minute overview video offers a quick peek into the Workbench, highlighting the tools available and showing how you can complete onboarding and training and begin analyzing data in as little as 2 hours. You don't need to wait for a grant, obtain individual IRB approval, recruit participants, or clean and harmonize data. Because of the extraordinary work researchers have contributed over the years, that foundation is already in place, allowing investigators to focus immediately on discovery. More than 21,500 researchers are already using the Workbench, and *All of Us* is aiming to surpass 30,000 registered researchers this year.

Funding Opportunities—*All of Us* Data and Tools: The National Institutes of Health makes funding available to researchers to advance precision medicine and population health research. These opportunities can harness the power of the *All of Us* Researcher Workbench.

View additional funding opportunities from National Institutes of Health.

New Publication Directory on the Research Hub: The new directory offers an expanded dataset of more than 1,200 *All of Us* publications, accompanied by a refreshed user interface with enhanced searching and filtering capabilities. New features will be rolled out over time. Coming soon: AI-generated publication summaries and filterable institutional affiliations.

Explore *All of Us* publications.



Learn How to Incorporate *All of Us* into Your Instruction and Trainings
Join the Data and Research Center for an engaging, two-part, virtual webinar designed to empower educators and trainers with the tools and strategies needed to create impactful *All of Us* courses and workshops. Featuring expert panels, actionable advice, and real-world insights, this series is perfect for both new and experienced educators looking to make the most of the *All of Us* Research Program.

- **Session 1: How to Create your First *All of Us* Course or Workshop**
  March 26, 1:00–3:00 p.m. ET Register for Session 1
- **Session 2: How to Scale up your *All of Us* Training Efforts**
  April 9, 1:00–3:00 p.m. ET Register for Session 2

New York University Biostatistical Consultation Service Available
Supported by the *All of Us* Research Program, New York University has launched its Researcher Workbench Consultation service to educate, train, and provide feedback to registered researchers. Consultations supporting a wide range of needs are offered at no cost to early- and mid-career researchers for up to 15 hours of consultation. Request a consultation today.

EVENT ALERT: **Attend *All of Us* Science Day 2026**

The *All of Us* Research Program mission is simple: Speed up health research and improve health for everyone. *All of Us* Science Day 2026, planned for Wednesday, April 15, will highlight research and discoveries powered by *All of Us* data that are driving real-world health impacts for communities across the country. The event will also celebrate the participants, researchers, and partners whose contributions make this progress possible.

This year's theme, From Discovery to Impact, underscores how research powered by *All of Us* is moving beyond the lab to shape clinical care, advance prevention, and deliver tangible benefits nationwide. The progress we see is made possible by the trust and generosity of its participants, the dedication of its researchers, and the commitment of *All of Us* partners working together toward a shared goal.

At *All of Us* Science Day, we will celebrate these achievements, spotlight impactful research, and explore what comes next as discoveries continue to translate into better health for all. Join us for this free, virtual event on April 15 to learn how *All of Us*–powered science is making a difference today and shaping the future of health research. Registration is now open.

Science Day

All of Us RESEARCH PROGRAM

Researcher Workbench News

Updated Researcher Workbench Now Available

Researcher Workbench 2.0 is now in beta Phase 2. Updates include new features and tools for use with Registered and Controlled Tier data. Built in collaboration with Vanderbilt University Medical Center and powered by Verily Pre, the updated Workbench provides registered researchers with advanced tools for data exploration and analysis and expanded cloud computing capabilities.

Key new features include the following:

- New Data Explorer tool for intuitive data exploration and dataset building
- Enhanced data visualization tools and workflow management
- Expanded support for analysis environments, including support for JupyterLab
- Improved collaboration via Github with source control integration and shared community workspaces
- User-tested, accessible interface to support users across disciplines and skill levels
- Access to NVIDIA NeMo, NVIDIA Parabricks, and NVIDIA CUDA-X data science libraries

Registered researchers are now able to access both the legacy Workbench and the updated Workbench to create workspaces and analyze data. During beta Phase 2, the *All of Us* Research Program will add new features, including RStudio, Visual Studio Code, and SAS analysis applications.

A full launch is expected in Spring 2026, after which the legacy Workbench will be phased out. *All of Us* will support researchers through the migration, with additional details to be shared as they become available.

The program's next data release, *All of Us* Curated Data Repository version 9, scheduled for 2026, will be available exclusively in the updated Workbench. It will feature more than 535,000 whole genome sequences, making it one of the largest whole genome datasets in the world accessible to researchers.

Learn More

- **Explore the User Support Hub's "Getting Started Guide."**
- **Register to attend the End User Listening Sessions on March 27.**

Institutional Champion News

Florida International University

Florida International University (FIU) joined the Researcher Academy as an Institutional Champion awardee in 2024 and has several milestones to celebrate. Their researchers have continued working in the Researcher Workbench following the training, technical assistance, and peer-to-peer learning provided by the academy. Their accomplishments highlight how foundational training in the Workbench can serve as a springboard for continued learning, career advancement, and new discoveries using the *All of Us* dataset.

- **Gemma Galvez,** a recently graduated doctoral student, conducted her dissertation research at FIU using *All of Us* data. She examined data of 16,000+ Hispanic/Latino participants in the dataset to better understand what shapes health literacy—the ability to find, understand, and use health information. Her research informs culturally responsive strategies to reduce health disparities and improve well-being in Hispanic/Latino communities.
- **Gequasha B. Collins** presented her research on the social determinants of health in bipolar disorder and schizophrenia using the *All of Us* dataset in the academy's January Faculty Scholars Convening. View the presentation slides.
- **Dr. Mariana Sanchez** is launching an interdisciplinary *All of Us* Research Interest Group that will bring together doctoral students, postdoctoral fellows, and faculty across the university to share ideas, foster collaborations, and learn from one another. The goal is to strengthen FIU's research infrastructure and expand institutional capacity to fully leverage the *All of Us* Research Program. Read more about Dr. Sanchez and her work in this issue's Researcher Spotlight.
- Institutional Champion Award team member **Weize Wang** was selected to be part of cohort 2 of the Researcher Academy's Train-the-Trainer Program. She is preparing to lead much-anticipated trainings for FIU College of Medicine faculty and medical students to support broader engagement with the *All of Us* dataset.

Academy Webinar on Generalizing EHR-based Prevalence Estimates from *All of Us* Data

Dr. Barrett Montgomery

Dr. Mahmoud Elkasabi

Dr. Tamara Litwin

The first webinar in the academy's *All of Us* Data Use Case Webinar Series: Methodological Challenges and Innovations was held on February 19. The webinar, "Assessing the Generalizability of Prevalence Estimates from the *All of Us* Research Program," showcased a framework that leverages the new R package (waou), the Tutorial Workspace, and a recent publication in the *American Journal of Epidemiology* to help researchers on the Workbench understand how well electronic health records–based prevalence estimates from the National Institutes of Health *All of Us* Research Program generalize to other estimates from the U.S. population.

RTI International's Barrett Montgomery, PhD, presented three case studies examining the weighted and unweighted lifetime prevalences of dementia, type 2 diabetes, and depression compared with National Health Interview Survey (NHIS) benchmarks. Panelists included RTI's Mahmoud Elkasabi, PhD, and Tamara Litwin, PhD, MPH, former NIH *All of Us* epidemiologist.

Questions asked and answered during the Q&A session included how the *All of Us* self-reported outcomes compared to the NHIS's self-reported outcomes, how to think about the confidence intervals of the estimates, and whether the methods included in the waou package can be used for regression estimates, among others.

Watch the recording to gain practical guidance and tools to implement the weighting methods in your own work. You will also learn to recognize when weighting improves generalizability—and when it can unintentionally amplify bias.

Other webinars in the series include "Introduction to Phenotyping in *All of Us*" (March 12, 2026) and "Steps for Success—Planning Your Data Analyses on the *All of Us* Researcher Workbench" (April 20, 2026). Look for an event recap of the March webinar in our next issue of *Connections* and register for the April webinar today.

Spotlight

Mariana Sanchez, PhD, Florida International University

Growing up as the child of Latino immigrant parents, Dr. Mariana Sanchez saw firsthand how difficult it can be to navigate between two cultures while facing barriers that many immigrant families experience. Those early experiences ultimately shaped both her personal values and professional path.

Motivated by a desire to better understand the social and cultural factors that influence health, Dr. Sanchez decided to pursue a career in research. "Research gave me a way to turn lived experiences into evidence that can inform programs, policies, and interventions that are more responsive to the realities of the Latino communities I care deeply about," she says.

Dr. Sanchez's research focuses on health disparities among Latino and immigrant populations and the factors that influence health outcomes over time. She looks at how experiences like migration stress, trauma, discrimination, and acculturation intersect with protective factors like social support, family cohesion, and community resources to shape substance use and mental health trajectories. More recently, she has been engaging in population-level research using large datasets, like *All of Us* Research Program data. Her goal is to better understand health outcomes and translate findings into actionable insights for prevention and intervention.

> **"Research gave me a way to turn lived experiences into evidence that can inform programs, policies, and interventions that are more responsive to the realities of the Latino communities I care deeply about."**

As the lead of a Researcher Academy Institutional Champion team at Florida International University (FIU), Dr. Sanchez launched a small work group of early-career investigators and doctoral students from multiple disciplines (e.g., social work, psychology, biostatistics, and public health) to learn how to use the *All of Us* Researcher Workbench. Two doctoral students in the group have used *All of Us* data as the foundation for their dissertations. One student recently graduated, and the other is submitting an NIH predoctoral fellowship (F31) application that is also based on *All of Us* data. Other early-career scholars have used this opportunity to submit pilot grant applications that were subsequently awarded. "Overall," she says, "working with such a rich and diverse dataset has been an incredibly valuable learning experience for my team and reinforced how institutional partnerships can expand access, training, and meaningful use of valuable data."

~continued on page 9

Dr. Sanchez is passionate about mentoring, and her approach is very hands-on and supportive. Many students are initially unsure of their abilities. "Being part of the journey to help them find their voice, sharpen their critical thinking, and develop research skills," she acknowledges, "is incredibly meaningful. Watching my mentees blossom into public health scholars and practitioners is by far the most rewarding part of what I do."

Being part of the *All of Us* Researcher Academy has shaped Dr. Sanchez's approach to both research and mentorship by reinforcing the value of shared learning and collaboration. The experience provided the opportunity to learn alongside early-career investigators and students—all collectively navigating the Workbench, leveraging each other's strengths, and working together to build new skills.

She says, "I approached this opportunity as a true co-learning experience, which I believe was especially meaningful for trainees. It reinforced the idea that working with large, complex datasets is an ongoing and iterative process, and that curiosity, persistence, and collaboration are just as important as technical expertise."

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Long term, she hopes her involvement with *All of Us* and the academy helps strengthen FIU's research infrastructure and expands access to population-level data. In addition to mentoring, she is actively working to build institutional capacity by having FIU scholars participate in opportunities like the Researcher Academy's Train-the-Trainer program. The goal is to grow the number of faculty, students, and early-career investigators at FIU who feel confident using *All of Us* data and can, in turn, mentor others. She sees this as a sustainable way to build a broader community of researchers who are equipped to use these data responsibly and creatively.

For Dr. Sanchez, it is evident that a strong research community is one that values mentorship, inclusivity, and shared purpose. It's not just about productivity. It's about building relationships, supporting one another's growth, and working collectively toward research that has real-world impact. ■

New Academy Courses Build Genomics Analysis Knowledge and Skills

The academy has added three new genomics courses to its 2026 training roster. See the academy's Course and Resources Catalog for links to access course materials.

Genomics 101

This introductory course provides a foundational understanding of genomics for learners entering the field. Instructor Javan Carter, PhD, will explore the history and evolution of genomics, from the Human Genome Project to present-day advances in precision medicine. He will introduce key concepts such as the relationship between genetics and genomics, how genomic data are generated, and why it matters for both basic research and clinical applications. Learners will also be introduced to core tools and resources used by genomic scientists, empowering them to begin thinking about how genomics intersects with their own research interests.

After viewing this asynchronous 90-minute webinar, learners will have a solid grasp of the fundamentals and be prepared to engage with more technical and applied genomics topics.

Genomics Data Types and Utilities

This intermediate-level course provides a technical deep dive into genomics data, file formats, and analytical workflows. Learners will gain practical knowledge of the major data types in genomics, including whole genome sequencing, exome sequencing, RNA sequencing, and variant datasets and the file structures used to store them (e.g., FASTQ, BAM/CRAM, VCF). The course emphasizes how to critically evaluate genomic data quality, select the right data for specific research questions, and navigate common challenges, such as population stratification, batch effects, and missingness. To guide *All of Us* Researcher Workbench users, instructor Javan Carter, PhD, will provide an overview of the types of genomic and phenotypic data available and how to use the data to generate novel insights.

After viewing this asynchronous 1-hour webinar, learners will have hands-on experience exploring genomic datasets and designing workflows tailored to research questions of interest when using the Workbench.

~continued on page 11

All of Us Machine Learning Genomics Analyses

This advanced three-part learning experience explores the application of artificial intelligence and machine learning (AI/ML) techniques in genomic research, with a focus on multi-omics data available through the *All of Us* Researcher Workbench. Led by instructor Amy Moore, PhD, learners will gain an understanding of how to use machine learning for tasks such as variant classification, disease risk prediction, and phenotype modeling.

The course covers key statistical principles (e.g., model validation, feature selection, overfitting) alongside practical implementation of methods like logistic regression, random forests, support vector machines, and deep learning approaches. Learners will critically examine the strengths and limitations of AI/ML in genomics, including issues of interpretability and model generalizability across populations. The course concludes with strategies for integrating genomics, transcriptomics, and epigenomics into multi-omics analyses.

Upon completing this asynchronous self-paced course, learners will have the skills needed to design and execute their own machine learning–driven research projects in *All of Us*.

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

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