

*All of Us* Data Training and Engagement Program



# An Overview of the *All of Us* Research Workbench and the Role of the Library

Love Data Week  
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# Presenter



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# Objectives

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At the end of this session, you should be able to:

- Understand the *All of Us* Researcher Workbench's value to your campus community
  - Understand how to leverage your role as a librarian in campus-wide use of the *All of Us* Research Hub
  - Identify research fields that will benefit from access to the data

# Defining Value

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How the *All of Us* Research Program will benefit your institution

# Why the *All of Us* Research Program?

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The *All of Us* Research Program removes barriers to data access that typically exist for early career researchers and students.

The Researcher Workbench is:

- A dataset can be used by students, faculty, and emerging and career researchers who do not have access to other datasets.
- A cloud-based platform and data browser where users can conduct rapid, hypothesis-driven research.
- Free, although there are computational costs.

# Institutional Benefits

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- Data-driven research continues to be a priority for academic institution.
- Use of the *All of Us* Researcher Workbench may:
  - Increase the research capacity of your institution
  - Increase academic publication rates, grant awards, and research activity
  - Potentially lead to higher research designations

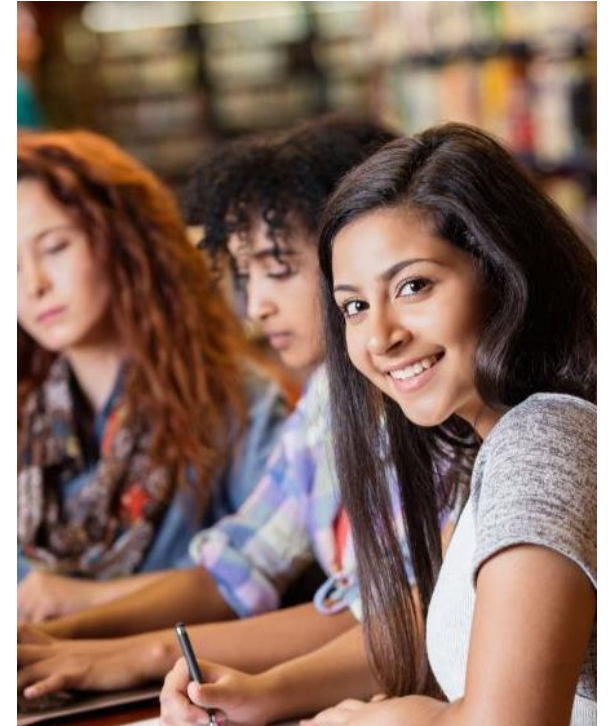
# The Role of the Library

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# Why the Library?

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- The library is the center of the campus community.
- Libraries provide services to early career and seasoned researchers, faculty, and students.
- The library is already responding to the need for data-driven research.
  - Libraries provide access to data-sets and promote them to researchers from various disciplines.
  - Libraries provide training materials, resources, and basic instruction.
- Libraries are well-situated to utilize training materials to assist campus communities.
  - Already provides access to coding software, such as SPSS, SAS, and GIS.
  - Already supports research.





# Librarians and Research Teams

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- Librarians contribute to interdisciplinary research teams.
  - Reference Services – find and accesses information and resources
  - Literature and Systematic Reviews
  - Training others in software access and providing support
  - Advise on and assist with Research Data Management
- What else can library workers do?
  - Forge connections
  - Facilitate collaboration and communication strategies
- Continued Reading: University of Miami's Laboratory for Integrative Knowledge initiative (U-LINK)
  - [Webinar](#)
  - [Libraries as research partners](#)
  - [How librarians contribute to interdisciplinary research teams](#)



# Ways to Collaborate with Researchers

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- Raise awareness of the *All of Us* Research Program
  - Utilize the *All of Us* [Publications](#) repository to find articles
  - Encourage use of the [Research Projects Directory](#) for research ideas and to forge connections with other researchers
  - Suggest a [virtual demonstration](#) from DRC for a campus group
  - Encourage engagement with the [Data Browser](#) through a scavenger hunt or other passive program
- Share [funding opportunities](#) throughout campus

## Ways to Collaborate with Researchers, cont.

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- Help researchers gain access to the Researcher Workbench
- Help a class with registered students use the cohort and dataset builder or help a class without registered users with the public data browser
- Develop resource guides and tutorials for use on your campus
- Offer in-library or recorded information sessions and trainings
- Work with faculty to incorporate *All of Us* into the curriculum
- Include *All of Us* in your python or R instruction

# Promoting Access

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# Departments and Specialties

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Allied Health	Biology	Biochemistry	Bioinformatics	Biological Engineering	Biomedical Sciences
Computer Science	Data Science	Economics	Epidemiology	Forensic Science	Health Policy
Health Sciences	Histology	Microscopy	Medicine	Neuroscience	Nursing
Pharmacy	Psychology	Public Health	Social Work	Sociology	Speech and Hearing Sciences

# Key Talking Points

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The *All of Us* Research Hub and Researcher Workbench:

- Includes a variety of data to explore and share with multiple disciplines
- Ensures access for researchers from various institutions/organizations to establish a truly equitable resource for all
- Promotes responsible and ethical use of data, returns value to participant communities, and accelerates research impact
- Encourages students and early-stage investigators to bring fresh, creative perspectives & innovative research outcomes

# Message Examples

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- Researchers with access to the *All of Us* Researcher Workbench will have the potential to facilitate studies that could lead to new insights, treatments, and strategies for disease prevention that are tailored to individuals.
- The *All of Us* Research Program platform allows researchers at all career stages (e.g., students, early-stage investigators) and from a wide range of institutions to execute rapid, hypothesis-driven research with only a computer and an Internet connection.
- The program actively engages with its participants and encourages them to be active partners in research. This approach empowers individuals to contribute to scientific progress and have a say in shaping future healthcare initiatives.
- The *All of Us* Research Program encourages collaboration from researchers from different fields, including psychology, medicine, genomics, and more. Interdisciplinary collaborations can lead to novel research insights and perspectives.

# Undergraduate/Graduate Students

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- Every individual has the potential to make meaningful contributions for public health. *All of Us* ensures you have data you need to make those discoveries.
  - Learn how you can register and begin your own research project.
- *All of Us* is a broad program that can support research on many aspects of health, not just a single medical or biological research question.
  - Work on interdisciplinary research teams
- The *All of Us* Research Program offers access to a diverse, longitudinal dataset. Registered users can dive deeper into the data; conduct rapid, hypothesis-driven research; and build new methods for the future using a variety of tools.
  - Access is free! Although there are some computational costs in the Registered and Controlled tiers, each researcher receives a \$300 credit at signup.
- Students and early-stage investigators are encouraged to bring fresh, creative perspectives & innovative research outcomes.



# Faculty Researchers

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- Access to this robust dataset can increase the research data capacity for your institution, increasing academic publication rates, grant awards, and research activity leading to higher research designations.
- This program is designed to foster collaboration among researchers across different institutions and disciplines. By pooling research and expertise, research can tackle complex health challenges more effectively.

# Teaching with *All of Us*

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- **Researchers with access to the *All of Us* Researcher Workbench will have the potential to facilitate studies that could lead to new insights, treatments, and strategies for disease prevention that are tailored to individuals. Get your students started today!**
- **Data-driven research continues to be a priority for academic institutions but gaining access to data can be difficult for some researchers, especially those just starting out.**
  - The *All of Us* Research Program offers access to a diverse, longitudinal dataset that can be used by students, faculty, and researchers in the medical/health and social sciences.
  - Access is free! Although there are some computational costs in the Registered and Controlled tiers, each researcher receives a \$300 credit at signup.
  - Registered users can dive deeper into the data; conduct rapid, hypothesis-driven research; and build new methods for the future using a variety of tools

## Resources

- [An Instructor's Guide to Student Projects on the Researcher Workbench](#)

# Contact Us

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