Welcome and Introduction

Dr. Karriem Watson
Chief Engagement Officer, All of Us
Logistics

• Links and resources will be posted in the chat
• Please pose questions in the chat
• Please keep yourself on mute - at the end of the program, we’ll address questions in the chat and open up for live questions
• The Questions and Discussion section will be recorded for our notes but not posted online
• Slides and a recording will be posted online afterwards
• Contact the Tribal Engagement team at AOUTribal@nih.gov
Describing Self-Identified AI/AN Participants in All of Us Data
Presentation Roadmap

1. RECAP
2. AI/AN PARTICIPANTS
3. DATA TIERS & INFORMATION
4. IDENTIFIABILITY & PRIVACY CONTROLS
5. QUESTIONS & DISCUSSION
Brief Recap of Previous Sessions

Session 1: *All of Us* Research Program Overview and Tribal Engagement
- Precision medicine and scientific framework
- History and set-up of *All of Us*
- Milestones of *All of Us* Consultation & Tribal Engagement

Session 2: How Researchers Access and Use *All of Us* Data
- Important Considerations for Policy-Making and Data Governance Principles
- Database Compilation and Structure, Data Access Process, and Privacy and Security Measures
- Data governance policies, Education, Accountability, and Oversight

Recordings will be made available at Allofus.nih.gov/TribalEngagement
How the All of Us Research Program Protects My Information

the program has safeguards in place
Self-Identified AI/AN Participants in All of Us
Self-identified AI/AN Participants and *All of Us* - Consent and Surveys

1. **Create your account**
   - With your email and/or phone number

2. **Answer health surveys**
   - Answer three health surveys

   **Review and sign consents**
   - Consent to join, authorization to share Electronic Health Record (optional), consent to get DNA results (optional)

3. **Have your measurements taken**
   - Height, weight, blood pressure, etc.

4. **Donate biosamples**
   - Give a blood sample at an *All of Us* partner site or a saliva sample with an at-home saliva kit

   **Receive $25**
   - After we receive your biosamples

5. **Choose if you would like to receive your DNA results:**
   - Learn about your genetic ancestry, your hereditary disease risk, and how your body may react to certain medicines

6. **Continue to participate**
   - Answer more surveys, connect your FitBit, take part in other research
All of Us Informed Consent

• The informed consent process for All of Us is completed entirely online.

• There is no cost to participate other than some of your time. Most people will spend no more than a few hours a year taking part in the program's activities.

• The All of Us Research Program's informed consent process is designed to be as transparent and understandable as possible.

• The program's website has a wealth of information about the process, and potential participants can also talk to the Support Center or a research team member if they have any questions.
Pre-Consent Screens with Information for AI/AN Participants

Information for American Indians and Alaska Natives (AI/AN)

All of Us seeks to partner with many different groups across the country—especially those that have been left out of research in the past. As part of those efforts, we held formal meetings called “consultations” with tribal leaders to learn more about their views. Tribal leaders gave us important input that helped us make plans for the program.

Would you like to learn more about what this means for participants who identify as American Indian or Alaska Native (AI/AN)?

- Yes, tell me more.
- No, I would like to continue with the consent.

If you want to read more about this later, you can find this information in your All of Us account and on our website.

People who identify as American Indian and Alaska Native include:
- Members of federally-recognized tribes
- Members of state-recognized tribes
- Members of a tribe not recognized by either federal or state governments
- Central and South American Indians
- First Nations peoples (Canada)
- People with AI/AN ancestry but no tribal affiliation

People may identify as AI/AN alone or in combination with other races, too.
2 All of Us Demographics and Health Surveys

Open Surveys:
- **The Basics**
- Overall Health
- Lifestyle
- Health Care Access & Utilization
- Personal & Family Health History
- Social Determinants of Health

Additional surveys will be released on an ongoing basis.
All of Us Surveys - The Basics

Which categories describe you? Select all that apply. Note, you may select more than one group.

- American Indian or Alaska Native
  (For example: Aztec, Blackfeet Tribe, Mayan, Navajo Nation, Native Village of Barrow (Utqiagvik) Inupiat Traditional Government, Nome Eskimo Community, etc.)

  Branching Logic: when “American Indian or Alaska Native” selected, then:

  - American Indian
  - Alaska Native
  - Central or South American Indian
  - None of these fully describe me

  Branching Logic: when subcategory selected, then:

  Provide the name of the tribe in which you are enrolled or affiliated or your tribal descent:

  (display optional free text)
Self-Identified AI/AN Participants

People who identify as American Indian and Alaska Native (AI/AN) include:

- Members of federally-recognized tribes* 
- Members of state-recognized tribes* 
- Members of a tribe not recognized by either federal or state governments* 
- Central and South American Indians 
- First Nations peoples (Canada) 
- People with AI/AN ancestry but no tribal affiliation 

People may identify as AI/AN alone, or in combination with other races, too.

*and their descendants
<table>
<thead>
<tr>
<th>Type</th>
<th>Likely to be Enrolled in a Federally Recognized Or State Recognized Tribe</th>
<th>Description</th>
</tr>
</thead>
</table>
| Tribal Land/ Reservation      | ✓                                                                      | • Likely enrolled in a Tribal Nation  
                                |                                                                        | • Residing within their Nation’s land-based jurisdiction |
| Urban                         | ✓                                                                      | • Likely enrolled in a Tribal Nation  
                                |                                                                        | • Residing in a setting outside of their Nation’s land-based jurisdiction |
| Ancestry                      | X                                                                      | • Asserts ancestry to a Tribal Nation  
                                |                                                                        | • Most likely to reside off of their Nation of ancestry’s land |
| Central and South American Indian |
                                | X                                                                      | • Asserts Central or South American Indigenous ancestry  
                                |                                                                        | • Resides within the U.S. |
AI/AN Data: Responsibility and Representation

- *All of Us* has waited on introducing AI/AN data in the Researcher Workbench.

- Participants are currently grouped dependent on if they select one or multiple race categories:
  - AI/AN only
  - More than one race

- The Responsible Conduct of Research training that researchers must take to access the Researcher Workbench includes education about the proper use of population descriptors and the potential for stigmatization.
All of Us Participants and Descriptive Data
1. **Participants share their data** with the program. All of Us collects data through multiple sources. These data are sent to a secure cloud environment, managed by the program’s Data and Research Center.

2. **Participant data** is received and funneled **through a curation pipeline** within a secure repository that connects to the Research Hub tools.

3. **Anyone can visit the Research Hub.** Visitors can learn about the data All of Us collects and makes available for research. To explore aggregated participant data, users can visit the Survey Explorer and the Data Browser. Both offer additional information about the unique data elements.

4. Researchers **register** for access to the Researcher Workbench to analyze data.

5. **Registered researchers** in the Researcher Workbench can create research projects using collaborative workspaces, cohort-building tools, interactive notebooks, and more.

6. Research underway can be viewed on the Projects Directory. Publications related to the All of Us Research Program data are posted on the Publications page.
Many Different Kinds of Data and Data Sources

Participant Surveys
- The Basics
- Lifestyle
- Overall Health
- Personal & Family Medical Hx
- Health Care Access & Utilization
- Social Determinants of Health

Electronic Health Records
- Medical Records
- Claims Data
- Pharmacy Data
- Vision and Dental Records

Physical Measurements
- Blood Pressure
- BMI
- Heart Rate
- Height
- Hip Circumference
- Waist Circumference
- Weight

Biospecimens
- Blood
- Saliva
- Urine
- DNA (from blood or saliva)
- RNA

Mobile/Wearable Tech
- COVID Serology
- HbA1c
- Heavy Metals

Assays
- WGS Arrays
- Other Omics

Omic
- WGS Arrays

For more on upcoming data types, please visit the Data Road Map at allof-us.org/Roadmap
Visit the data roadmap for more information about upcoming data types

<table>
<thead>
<tr>
<th>Electronic Health Records (EHRS)</th>
<th>Available end of 2022</th>
<th>Early 2023 additions</th>
<th>2023 and beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHRS</td>
<td></td>
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</table>

| Surveys                          | • The Basics          | • Combined Personal and Family Health History | • Life Functioning |
|                                  | • Overall Health      | • COVID-19 Vaccines Minute Survey 4          |                 |
|                                  | • Lifestyle           | • COVID-19 Participant Experience (COPE)     |                 |
|                                  | • Health Care Access and Utilization | • COVID-19 Vaccines Minute Surveys 1-3 |                 |
|                                  | • Personal and Family Medical History |                      |                 |
|                                  | • Social Determinants of Health |                      |                 |
|                                  | • COVID-19 Participant Experience (COPE) |                      |                 |

<table>
<thead>
<tr>
<th>Physical Measurements</th>
<th>• Physical Measurements</th>
<th>• Participant-reported height and weight</th>
<th>• Physical Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Participant-reported height and weight</td>
</tr>
</tbody>
</table>

| Genomics                        | • 165k+ genotyping arrays | • 245K+ WGS | • 1,000 long-read sequences |
|                                  | • 98K+ whole genome sequences (WGS) | • 312K+ Arrays | • CRAM files |

<table>
<thead>
<tr>
<th>Data Linkages</th>
<th>• American Community Survey (ACS) 3-digit zip code</th>
<th>• ACS 5-digit zip code</th>
<th>• American Community Survey (ACS) 3-digit zip code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>• ACS 5-digit zip code</td>
<td></td>
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</tbody>
</table>

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<thead>
<tr>
<th>Digital Health Technologies</th>
<th>• Heart rate by zone summary and minute-level</th>
<th>• Fitbit sleep data</th>
<th>• Fitbit device data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Activity (daily summary)</td>
<td>• Vital measurements</td>
<td>• Vital measurements</td>
</tr>
<tr>
<td></td>
<td>• Activity intraday steps (minute-level)</td>
<td>• Apple HealthKit activity data</td>
<td>• Apple HealthKit activity data</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Assays</th>
<th>• COVID-19 serology data</th>
<th></th>
<th>• Exploring the Mind Pilot</th>
</tr>
</thead>
</table>

| Ancillary Studies               | • Exploring the Mind Pilot | • Nutrition for Precision Health (NPH) modules | • Exploring the Mind Pilot |

Data availability and access timelines are estimates and subject to change. Timeline accurate as of April 2023.
The Data Dictionary provides the following:

- A description for each data field
- Information on whether the data in each field come from participant health records or from information the participants provide themselves, like survey data
- Versioning data so you can see what has been changed, added, or removed since the previous curated dataset
Three Tiers

Public Tier

The Public Tier dataset is available at ResearchAllOfUs.org. Visitors can explore aggregated overviews and interactive data previews—with participant identifiers removed—through the Data Browser. Registration is not required.

Registered Tier

Includes individual-level data from EHRs, wearables, and surveys, as well as physical measurements taken at the time of participant enrollment. Registration and a Responsible Conduct of Research training are required for access.

Controlled Tier

Includes data available on the Registered Tier, as well as genomic data and expanded demographic, survey, and EHR data. Genomic data includes whole genome sequences, long read sequences, genotyping arrays, and structural variants. Researchers must have amended institutional agreements and complete an additional training to access this tier.

*Counts between all three data tiers and Data Snapshots may vary because of the lag time associated with the data curation process.
The *All of Us* Research Hub | Data Access Tiers

- **Public Tier**
  - Summary Statistics
  - Aggregate Counts

- **Registered Tier**
  - Limited Participant-Level Data

- **Controlled Tier**
  - Participant-Level Data
  - Additional Data Types (e.g. genomic data)

- **Researcher Workbench**

- **Data Browser**

Aggregated overviews and interactive previews are available to everyone

ResearchAllofUs.org

Welcome to the All of Us Research Hub

The All of Us Research Program, led by the National Institutes of Health, is building one of the largest biomedical data resources of its kind. The All of Us Research Hub stores health data from a diverse group of participants from across the United States.

Registered researchers can access All of Us data and tools to conduct studies to help improve our understanding of human health.

REGISTER FOR ACCESS

Data Snapshots

Data Snapshots showcase the scale and diversity of the All of Us Research Program participant cohort. The snapshots provide participant demographics, geographic distribution, and more. We update the snapshots monthly.

Participants

- 623,000+
  - View All

Electronic Health Records

- 361,000+
  - View All

Biorepositories

- 449,000+
  - View All

Search Across Data Types

- Keyword Search

Data includes 403,460 participants as of 12/5/2021.

EHR Domains

- Conditions
  - 25,638 medical concepts
  - 294,760 participants

- Drug Exposures
  - 29,865 medical concepts
  - 219,740 participants

Lab & Measurements

- 16,216 medical concepts
  - 202,990 participants

Procedures

- 30,328 medical concepts
  - 242,090 participants

Genomics

- SNP/Indel Variants
  - 245,400 participants in the Metabolite and Activity
    - 1,074,881,214 Illumina Human Omni2.5Exome sequencing dataset

- Genomic data only in Researcher Workspace
  - 1,061,340 participants in the
    - 11,430 participants in the Metabolite and Activity
    - 81,096 participants in the Genotyping Aims dataset

- Physical Measurements
  - 8 participants
    - 10,086 participants in the
      - 6 Polymarker measurements
      - 76,430 participants in Polymarker measures dataset

- Kittles
  - 6 participants
    - 10,086 participants in the
      - 6 Polymarker measurements
      - 76,430 participants in Polymarker measures dataset

FAQs

Introductory Videos

User Guide

Data as of April 2023
Enrollment data snapshot

(Updated 6/8/23)

651,000+ Participants

377,000+ Electronic Health Records

453,000+ Participants who have completed initial steps of the program

469,000+ Biosamples

Enrollment Numbers

- Participants
- Participants who have completed the initial steps of the program
80% of All of Us participants are underrepresented in biomedical research.
About the *All of Us* Data Browser

DataBrowser.ResearchAllofUs.org

- Provides **summary statistics** from the program’s growing database

- **Open to everyone** – no login!

- Allows participants to **understand the makeup of the cohort**

- Allows researchers to understand the characteristics of our participant population, explore the data types available, and plan research questions

Interactive tool launched in May 2019
The *All of Us* Research Hub | The Researcher Workbench

**Registered Tier**

*Limited Participant-Level Data*
- Physical Measurements
- Some Electronic Health Record Data
- Survey Data
- Fitbit Data

*Many Data Transformations*
- Date Shifting
- Generalization (e.g. State-Level Geographic Information)
- Ontological “Roll-Ups”

**Controlled Tier**

*Granular Participant-Level Data*
- Registered Tier Data PLUS Additional EHR Fields
- Genomic Data

*Fewer Data Transformations*
- Unshifted Dates (except Year of Birth)
- More Precise Geographic Information (3-Digit Zip Codes)
- Fewer Generalizations and Ontological “Roll-Ups”
All of Us Data Dictionary

• The All of Us Data Dictionary describes the row-level data and what modifications the program makes to protect participant privacy.

• Located on the researchallofus.org website under Data and Tools → Data Methods.
Re-identifiability and Privacy controls

• Removal and monitoring for explicit identifiers and minimize re-identification risks

• Data available does not include:
  o free-text fields, geolocation data smaller than U.S. state level, living situations, race and ethnicity subcategories, active duty military status, cause of death, and diagnosis codes subject to public knowledge
## Registered vs Controlled Tier

<table>
<thead>
<tr>
<th>Data Fields</th>
<th>Registered</th>
<th>Controlled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Identifiers, e.g. name, address</td>
<td>Unavailable</td>
<td>Unavailable</td>
</tr>
<tr>
<td>Dates of events, e.g. visit to doctor</td>
<td>Random shift</td>
<td>As collected</td>
</tr>
<tr>
<td>Date of birth</td>
<td>Random shift</td>
<td>Year only</td>
</tr>
<tr>
<td>Date of death</td>
<td>Random shift</td>
<td>As collected</td>
</tr>
<tr>
<td>Location</td>
<td>US State</td>
<td>3 digit zip code</td>
</tr>
<tr>
<td>Marital Status</td>
<td>As collected</td>
<td>As collected</td>
</tr>
<tr>
<td>Annual household income</td>
<td>As collected</td>
<td>As collected</td>
</tr>
<tr>
<td>Education</td>
<td>Generalize</td>
<td>As collected</td>
</tr>
<tr>
<td>Employment Status</td>
<td>Generalize</td>
<td>As collected</td>
</tr>
<tr>
<td>Race and ethnicity</td>
<td>Generalize</td>
<td>As collected</td>
</tr>
<tr>
<td>Race and Ethnicity Subcategories</td>
<td>Unavailable</td>
<td>Unavailable</td>
</tr>
<tr>
<td>Sex assigned at birth</td>
<td>Generalize</td>
<td>As collected</td>
</tr>
<tr>
<td>Gender identity</td>
<td>Generalize</td>
<td>As collected</td>
</tr>
<tr>
<td>Sexual orientation</td>
<td>Generalize</td>
<td>As collected</td>
</tr>
<tr>
<td>Genomic data</td>
<td>Unavailable</td>
<td>As collected</td>
</tr>
</tbody>
</table>

**Self-identified American Indian and Alaska Native individuals do not currently appear in the dataset.**

- White
- Black
- Asian
- None of these
- Another single population
- More than one population
- Prefer not to answer
- No answer
- Hispanic, Latino, or Spanish
Tribal Affiliation

From the 2019 Consultation Report:

• *All of Us* understands that tribal affiliation and membership are determined by tribes themselves and cannot be determined by the program.

• *All of Us* recognizes that this information is highly sensitive and that verifying tribal affiliation is currently beyond the capabilities of the program.

• Tribal affiliation will never be made available to researchers unless the program enters into a partnership with that specific tribe.
  
  o Participants currently enrolled in the program will need to re-enroll under that agreement in order to have their tribal affiliation listed.

Questions for the Program:

• Should the program continue to collect tribal affiliation as part of the Basics survey?

• What is the risk v. benefit of retaining this data element?

• What other data elements should the program scrutinize to protect the privacy of tribal affiliation?
Geographic information

Protecting Participant Privacy

• Geographic locations for participants are only shown at the state level or 3-digit zip code
• Research may provide more information about health outcomes if linked with more specific location data

Preventing Accidental Outreach on Tribal Land

• Generated a list of zip codes that overlap with Tribal land and are excluded from marketing efforts
• This approach excludes large areas of land - especially in the West - where there is any overlap at all between the two
• How should the program guide engagement and outreach efforts where zip codes overlap with Tribal land?
The *All of Us* Researcher Workbench uses a "data passport" model to give registered researchers broad access to the Researcher Workbench rather than granting data access on a *project-by-project* or *question-by-question* basis.

- Once they complete the requisite steps, researchers can create workspaces in the tier or tiers to which they have access —no pre-approval required

- When researchers set up their workspaces, they are required to provide publicly-facing project descriptions on the platform

- Researchers must ensure that their research complies with the program’s data use policies
Accountability | Data Use Contracts and Policies (continued)

- **DURA**
  - **Data Use and Registration Agreement**
    - Institutional contract outlining institutional responsibility for affiliated researcher(s)

- **DUCC**
  - **Data User Code of Conduct**
    - Individual agreement outlining individual use responsibilities

- **Policies**
  - Collection of detailed directives for appropriate use, compliance with which is required by the DUCC

- **Ethical Conduct of Research**
- **Stigmatizing Research**
- **AI/AN Research Materials Use**
- **Data and Statistics Dissemination**
- **Publications and Presentations**
- **User Appeals**

For more on data use policies, visit [www.researchallofus.org/data-tools/data-access](http://www.researchallofus.org/data-tools/data-access)
Accountability | AI/AN Research Materials Use Policy (Overview)

- Take actions that acknowledge and protect against **historical (and contemporary) sources of harm:**
  - **MUST** review and agree to abide by the DUCC, Policy on Stigmatizing Research, and Policy on the Ethical Conduct of Research
  - **MUST NOT** attempt to reidentify AI/AN individuals, the region(s) from which they originate, or the tribe(s) to which they belong
  - **MUST** fulfill all technical and logistical requirements for authorized usership, including annual RCR training comprised of the basic modules and any future modules specific to the use of data from AI/AN individuals, as appropriate
  - **MUST** use respectful and appropriate language and preferred terminology, as dictated by the forthcoming guidance

- Comply with all applicable **federal, state, and local laws**

- Abide by all applicable **program policies and procedures** for access to data and non-data resources originating from participants who self-identify as AI/AN

- Agree to **additional scrutiny** of research focusing on AI/AN populations that is conducted using All of Us research resources
Partner organizations must meet strict data security standards before they may collect, transfer, or store information from participants.

All participant data is encrypted, and obvious identifiers are removed from data used for research.

Independent reviewers to check plans and test systems on an ongoing basis to ensure the program has effective security controls in place.
Research and Opportunities with *All of Us*
All of Us Research Hub | Who is using the data now?

5,700+ Registered Researchers

Comparing registered researchers

<table>
<thead>
<tr>
<th></th>
<th>2/2022</th>
<th>6/2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Registered Researchers</td>
<td>1,015</td>
<td>5,705</td>
</tr>
<tr>
<td>Researchers from UBW communities SGM, race/ethnicity, disability status, &amp; career stage</td>
<td>56%</td>
<td>72%</td>
</tr>
<tr>
<td>Researchers from UBW communities By race/ethnicity alone</td>
<td>14.3%</td>
<td>28%</td>
</tr>
</tbody>
</table>

5,300+ Active projects

Top conditions being studied
- Cardiovascular disease
- Hypertension
- Mental Health
- Cancer
- Diabetes

530 Institutions

See the research currently underway by visiting researchallofus.org/research-projects-directory
Stay in touch to learn more

Sign up for our bimonthly newsletter

Subscribe to Research Roundup

Stay up-to-date on the latest news and insights from the All of Us Research Hub through our bimonthly email newsletter.

allof-us.org/RRSignup
Visit the Support Hub to find answers to common questions about becoming a registered researcher, using the *All of Us* dataset, and more. **NO LOGIN REQUIRED**

Find instructional materials about the *All of Us* Researcher Workbench
- Includes video tutorials, educational resources, release notes, and more

Search 280+ articles
- Find information about data dictionaries, the Controlled Tier directory, how WGS and Array data are organized, and more

Connect with experts during weekly live office hours
- Explore our calendar of dedicated office hours where researchers can talk about data types and tools with experts

[researchallofus.org/support](http://researchallofus.org/support)
Purpose of the ROA

**Area of Interest 1:** Participant Engagement and Enrollment

- **Task 1:** Participant outreach and engagement
- **Task 2:** Enrollment and retention
- **Task 3:** Pediatric outreach and engagement
- **Task 4:** Computer access
- **Task 5:** Healthcare provider outreach and engagement

**Area of Interest 2:** Researcher Engagement

- **Task 1:** Researcher Hub awareness and researcher engagement
- **Task 2:** Building research capacity
- **Task 3:** Promote team science

**Area of Interest 3:** Tribal Nations, American Indian and Alaska Native populations, and Indigenous Communities

- **Task 1:** Outreach and engagement
- **Task 2:** Training and career development
- **Task 3:** Education and culturally appropriate resource development
- **Task 4:** Research infrastructure and capacity building

**Area of Interest 4:** Participant as Partners

- **Task 1:** Oversight of consortium participant partner related activities
- **Task 2:** Full integration of participants and advocates
- **Task 3:** Facilitation of ongoing input from participant representatives
- **Task 4:** Assess the impact of participant engagement
The All of Us Research Program initiated **tribal consultation in 2019** to engage Tribal Nations about the inclusion of AI/AN populations in this research program. The information received during consultation has been used to guide our work with AI/AN communities and Tribes.

**Technical Objectives**

- Outreach and engagement to AI/AN and Indigenous communities
- Training and career development in research as it relates to precision medicine
- Education and culturally appropriate resource development for AI/AN populations and partners
- Research infrastructure and capacity building within AI/AN and Indigenous communities ensuring sustainability of precision medicine research

**Review SAM.gov for full submission requirements**
Informational Presentation and Discussion Schedule

Session 1: All of Us Research Program Overview and Tribal Engagement
Tuesday, June 6, 2023, 1:00 - 3:00 pm ET

Session 2: How Researchers Access and Use All of Us Data
Tuesday, June 13, 2023, 1:00 - 3:00 pm ET

Session 3: Describing Self-Identified AI/AN Participants in All of Us Data
Tuesday, June 20, 2023, 1:00 - 3:00 pm ET

Session 4: Data and Partnerships in All of Us
Tuesday, June 27, 2023, 1:00 - 3:00 pm ET

All of Us Tribal Consultation
Thursday, September 28, 2023, 1:00 - 3:00 pm ET
Thank You to Our Partners
Making Health Discoveries Possible

The *All of Us* Program wouldn't be possible without the generosity of our participants and the dedication of our researchers to enable health discoveries.
All of Us Community and Provider Partner Network (as of April 2023)

Note: These are not approved logos and should not be repurposed as assets.
Questions and Discussion

Naomi Aspaas
Tribal Engagement Specialist

Dr. Karriem Watson
Chief Engagement Officer, All of Us
Thank You!

AllofUs.nih.gov/TribalEngagement

AllofUs.nih.gov

@AllofUsResearch
#JoinAllofUs