

Toolkit Guide

Background and Objectives:

Precision Medicine is the rapidly emerging practice of delivering healthcare tailored to patient-specific factors that contribute to disease risk, prognosis, and treatment response. To maximize the benefits and applicability of Precision Medicine-driven interventions to all communities, NIH has called for the accrual of a diverse sample of 1 million Americans to contribute genetic, clinical, behavioral and social data. The All of Us Research Program was designed to deploy genetic, clinical, behavioral, and social data to deliver the right treatment to the right patient at the right time. Therefore, AAMC and Washington State University developed an interview protocol and conducted 17, 15-minute interviews with urban-dwelling Native Americans to learn how individuals from native communities feel about precision medicine and participating in biomedical research studies.

The 2017 AAMC Precision Medicine, Community Engagement, and Native Health Toolkit features videos, resources, discussion questions that various stakeholders and academic health centers can use to:

- Understand Precision Medicine and why a diverse cohort is crucial for success
- Describe the nuanced issues in Precision Medicine and genetic research as applied to Native populations
- Develop strategies to engage Native populations in discussions about and participation in Precision Medicine

Intended Audience:

- Community Members and Leaders
- Medical Students
- Physicians
- Policy Makers and Politicians
- Public Health Practitioners
- Researchers
- Hospital and Health System Leaders

Materials Available for Download:

- PowerPoint deck
Use the Precision Medicine, Community Engagement, and Native Health Toolkit Guide to provide context of the session, remind participants of the goals and objectives of videos, and to organize the discussion.
- Precision Medicine, Community Engagement, and Native Health Video Series:
The videos may be shown individually or as a series:
 - [Contributors to Health Video](#)
 - [Precision Medicine Video](#)
 - [Panel Discussion Video](#)
- “Reflection” sheet
- “Group Discussion Question” sheet
- Additional Resources which can be found at aamc.org/CEToolkits



Tips:



- Prior to showing the videos, consider downloading and copying the videos directly onto the desktop of the computer you will be using to present this content (this assures that you will have access to the videos in the event that a server goes down. Additionally, the videos will play with less buffering). Direct links to the videos are provided above, choose the SD or HD download option for medium or high quality video respectively.


Post Session Follow Up

- After the group discussion, send a summary of the action steps provided to <mailto:healthequityresearch@aamc.org> so your group's ideas can be added to our action list.

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Resource	Activities/Notes/Considerations
<p>Slide 2: Session Objectives and Goals</p> <p>Session Objectives</p> <ul style="list-style-type: none"> • Understand Precision Medicine and why a diverse cohort is crucial for success • Describe the nuanced issues in Precision Medicine and genetic research as applied to Native populations • Develop strategies to engage Native populations in discussions about and participation in Precision Medicine 	<p>Establish Session Objectives and Goals</p> <p>Describe the goals for this session. Participants will:</p> <ol style="list-style-type: none"> 1. Understand Precision Medicine and why a diverse cohort is crucial for success 2. Describe the nuanced issues in Precision Medicine and genetic research as applied to Native populations 3. Develop strategies to engage Native populations in discussions about and participation in Precision Medicine
<p>Background about the Videos</p>	<p>The Association of American Medical Colleges (AAMC), in collaboration with Washington State University developed an interview protocol and conducted 16, 15-minute interviews with urban-dwelling Native Americans to learn how individuals from native communities feel about precision medicine and participating in biomedical research studies.</p> <ul style="list-style-type: none"> •
<p>Session Structure and Process</p> <p>Structure and Process</p> <ul style="list-style-type: none"> • While watching the videos, please jot down thoughts and impressions using the "Reflection Sheet." • At the end of each video, volunteers will be asked to share their thoughts and reactions before moving on to the next video • After viewing the videos, use the either the "Group Discussion Question Sheet" and/or the list of questions included on slide 4 of the PowerPoint presentation to start discussion and action planning. 	<p>Session Structure and Process</p> <p>Provide a <i>brief</i> overview of what participants will be doing in this session (detailed directions for each segment will be provided below):</p> <p>Videos and Reflection</p> <ul style="list-style-type: none"> • While watching the videos, please jot down thoughts and impressions • At the end of each video, volunteers will be asked to share their thoughts and reactions before moving on to the next video <p>Group Table Work and Report Out</p> <ul style="list-style-type: none"> • After viewing and reflecting on all the videos use the "group discussion sheet to facilitate dialogue about how they or their institution could take to connect to diverse populations in their own community, increase trust with these populations, and ensure that PMI is inclusive.
<p>Video 1: Contributors to Health Video</p>	<p>View Contributors to Health Video and Reflections</p> <p>Provide the following context before playing the Contributors to Health Video:</p>

Resource	Activities/Notes/Considerations
<p style="text-align: center;">How do your environment, your genes and your lifestyle contribute to your health?</p> <p>Reflection Sheet</p>  <p>PRECISION MEDICINE, COMMUNITY ENGAGEMENT AND NATIVE HEALTH Reflection Sheet</p>	<ul style="list-style-type: none"> The first video explores local concepts of what contributes to health – e.g. genes, lifestyle, and environment.
<p>Video 2: Precision Medicine Video</p> <p style="text-align: center;">How do you feel about Precision Medicine?</p> <p>Reflection Sheet</p>  <p>PRECISION MEDICINE, COMMUNITY ENGAGEMENT AND NATIVE HEALTH Reflection Sheet</p>	<p>View Precision Medicine Video, Reflection and Sharing</p> <p>Please feel free to provide the following context before playing the PMI Video:</p> <ul style="list-style-type: none"> The second video explores how the interviewees feel about PMI and their own potential participation. Each participant watched <i>What is Precision Medicine?</i>, a 2 minute video produced by UCFS prior to answering the questions in this segment. The video is publicly available via YouTube. <p>Sharing: 5 Minutes</p> <ul style="list-style-type: none"> Ask volunteers to share their thoughts and reactions. What surprised them? How is their community similar or different? What resonated? (You can use microphone runners for this segment or have people stand up when called)
<p>Video 3 (Additional Resource): Panel Video and Reflection</p>	<p>Watch Panel Video</p> <p>During this video, participants will watch as the panelists provide their responses to the themes raised in the interviews.</p>

Resource	Activities/Notes/Considerations
<p>Discussion Questions and Action Step Planning</p> <p>Group Discussion Questions</p> <ul style="list-style-type: none"> • What opportunities are there for ensuring that Precision Medicine and other research efforts are inclusive of diverse populations? • How can you and your own community partners establish trust and increase interest in participating in research efforts? • What are the opportunities to network and connect with diverse populations in your own community? 	<p>Use the either the group discussion question sheet or the list of questions on the PowerPoint slide to facilitate dialogue about how they or their institution could take to connect to diverse populations in their own community, increase trust with these populations, and ensure that PMI is inclusive.</p> <p>After the group discussion, send a summary of the action steps provided to healthequityresearch@aamc.org so your group's ideas can be added to our action list.</p>