



IMPACT OF HEALTHCARE ALGORITHMS ON RACIAL AND ETHNIC DISPARITIES IN HEALTH AND HEALTHCARE

AGENDA

March 2–3, 2023

National Institutes of Health (NIH) Natcher Conference Center
45 Center Drive, Building 45, Bethesda, MD 20892

Day 1

(10:30 a.m. to 3:40 p.m. ET)

Welcome

- 10:30–10:35 a.m. Welcome and introductions:
Prashila Dullabh, MD (NORC) and Craig Umscheid, MD (AHRQ)
- 10:35–10:40 a.m. AHRQ Director: Robert Otto Valdez, PhD, MHSA
- 10:40–10:45 a.m. NIMHD Director: Eliseo Perez-Stable, MD
- 10:45–10:50 a.m. HHS OMH Director: RDML Felicia Collins, MD, MPH, FAAP

Background and Purpose of the Meeting

- 10:50–11:10 a.m. Background and purpose of the meeting: Anjali Jain, MD (AHRQ)
- 11:10–11:15 a.m. Introduction of keynote speaker: Arlene Bierman, MD, MS (AHRQ)
- 11:15–11:45 a.m. Keynote speaker: [Ziad Obermeyer](#), MD (UC Berkeley); Blue Cross of California Distinguished Associate Professor of Health Policy and Management
- 11:45–11:50 a.m. Meeting process: Panel Co-Chair Marshall Chin, MD, MPH
- 11:50 a.m.–12:00 p.m. Break

Working Session #1 (12:00 p.m. to 2:00 p.m.)

12:00–12:20 p.m.

Evidence Review

Introductions: Prashila Dullabh, MD (NORC)

Presenters:

- Kelley Tipton, MPH (ECRI)
- Shazia M. Siddique, MD, MSPH (University of Pennsylvania School of Medicine)

Focus: Methods for the review and results for Key Question 1 and Contextual Question 1

- What is the effect of healthcare algorithms and algorithm-informed decision tools on racial/ethnic differences in access to care, quality of care, and health outcomes?



- How widespread is the inclusion of variables based on race/ethnicity in healthcare algorithms and algorithm-informed decision tools?

Introductions: Prashila Dullabh, MD (NORC)

12:20–12:28 p.m. Private healthcare system perspective

Presenter: [Nigam Shah](#), MBBS, PhD (Stanford)

12:28–12:36 p.m. Vendor perspective

Presenter: [Marc Overhage](#), MD, PhD (Elevance Health)

12:36–12:44 p.m. Public healthcare system perspective

Presenter: [Suzanne Tamang](#), PhD (Veterans Affairs)

12:45–1:30 p.m. Discussion/Q&A

Moderator: Prashila Dullabh, MD (NORC)

Moderated, interactive discussion among panelists, public Q & A

Framing/discussion questions:

- What's missing? (Other experience and insights from the audience or related topics that were not covered in this session, including research gaps)
- Summary/recap of key points
- What guidance is needed/ what are the next steps?
 - o When/what/where/how to use algorithms
 - o Addressing bias in existing algorithms

1:30–2:00 p.m. Break for lunch

Working Session #2 (2:00 to 3:40 p.m.)

2:00–2:20 p.m. Evidence Review

Introduction: Lynne Page Snyder, PhD, MPH (NORC)

Presenter: Brian Leas, MS, MA (University of Pennsylvania School of Medicine)

Focus: Results for Contextual Question 3

- To what extent are patients, providers (e.g., clinicians, hospitals, health systems), payers (e.g., insurers, employers), and policymakers (e.g., healthcare and insurance regulators, state Medicaid directors) aware of the inclusion of variables based on race/ethnicity in healthcare algorithms and algorithm-informed decision tools?

Introductions: Lynne Page Snyder, PhD, MPH (NORC)

2:20–2:30 p.m. Patient perspective

Presenter: [Crystal Grant](#), PhD (American Civil Liberties Union)

2:30–2:40 p.m. Professional society perspective

Presenter: [Helen Burstin](#) MD, MPH (Council of Medical Specialty Societies)

2:40–3:25 p.m. Discussion/Q&A



Moderator: Lynne Page Snyder, PhD, MPH (NORC)

Framing questions:

- What works, what's missing in terms of related topics, experience, and insights, including trust issues related to algorithmic biases and research gaps
- Summary/recap of key points
- Guidance needed/ next steps
 - Approaches to increasing awareness and building trust among health professionals and communities, especially vulnerable groups and minorities
 - Approaches to involving patients and clinicians more fully in these efforts

3:25–3:40 p.m.

Closing remarks and adjourn public meeting

Speaker: Craig Umscheid, MD, MS (AHRQ)



Day 2

Public Sessions 10:00 a.m. to 2:00 p.m. ET

Welcome

- 10:00–10:05 a.m. Welcome and introductions:
Prashila Dullabh, MD (NORC) and Deborah Guadalupe Duran, PhD (NIMHD)
- 10:05–10:10 a.m. ONC: Stephen Posnack, MS, MHS
- 10:10–10:15 a.m. CMS: LaShawn Mclver, MD, MPH

Working Session #3 (10:15 a.m. to 12:15 p.m.)

- 10:15-10:35 a.m. **Evidence Review**
Introduction: Prashila Dullabh, MD (NORC)
Presenter: Brian Leas, MS, MA (University of Pennsylvania School of Medicine)
Focus: Results for Key Question 2.
 - What is the effect of interventions and models to mitigate racial/ethnic bias in the development (including datasets and variables), validation, dissemination, and implementation of algorithms?Introductions: Prashila Dullabh, MD (NORC)
- 10:35-10:43 a.m. **Healthcare Systems Mitigation Strategies**
Presenter: [Christina Silcox](#), PhD (Duke Center for Health Policy)
- 10:43-10:51 a.m. **Vendor Mitigation Strategies**
Presenter: [Suchi Saria](#), PhD (Johns Hopkins)
- 10:51-10:59 a.m. **Update from NAM on AI initiatives**
Presenter: [Laura Adams](#) (NAM)
- 10:59–11:07 a.m. **Strengthening Diversity of AI Workforce**
Presenter: [Luca Calzoni](#), MD, MS (NIMHD SchARE)
- 11:07–11:45 a.m. **Discussion/Q&A**
Moderator: Prashila Dullabh, MD (NORC)
Framing questions:
 - What works, what's missing (including research gaps), additional experiences and insights on bias mitigation strategies, including approaches to implementation
 - Summary/recap of key points
 - Guidance needed/ next steps
 - Guidance for algorithm development, testing, and updating
 - Guidance for algorithm implementation
- 11:45 a.m.–12:15 p.m. **Break for lunch**



Working Session #4 (12:15 to 1:45 p.m.)

12:15–12:35 p.m.	Evidence Review Introduction: Lynne Page Snyder, PhD, MPH (NORC) Presenter: <ul style="list-style-type: none">• Gary Weissman, MD, MSHP (University of Pennsylvania School of Medicine) Focus: Results for Contextual Question 2 <ul style="list-style-type: none">• What are existing and emerging national or international standards or guidance for how algorithms and algorithm-informed decision tools should be developed, validated, implemented, and updated to avoid introducing bias that could lead to health and healthcare disparities? Introductions: Lynne Page Snyder, PhD, MPH (NORC)
12:35–12:43 p.m.	National Institute of Standards and Technology (NIST) Presenter: Reva Schwartz
12:43–12:51 p.m.	Office of the National Coordinator for Health Information Technology (ONC) Presenter: Stephen Konya
12:51–12:59 p.m.	Food and Drug Administration (FDA) Presenter: Matthew Diamond , MD, MPH
12:59–1:07 p.m.	International experience and approaches to AI mitigation Presenter: Bilal Mateen , MBBS, MPH (Wellcome Trust)
1:07–1:40 p.m.	Discussion, Q&A Moderated, interactive discussion among panelists, public Q&A Moderator: Lynne Page Snyder, PhD, MPH (NORC) Framing questions: <ul style="list-style-type: none">▪ What's missing: gaps in experience and insights related to algorithmic standards/ stewardship, including pitfalls▪ Summary/recap of key points▪ Guidance needed: which standards are needed and possible and by whom? How to develop standards and socialize?
1:40–1:45 p.m.	Closing remarks and adjourn meeting Speaker: Christine Chang, MD (AHRQ)