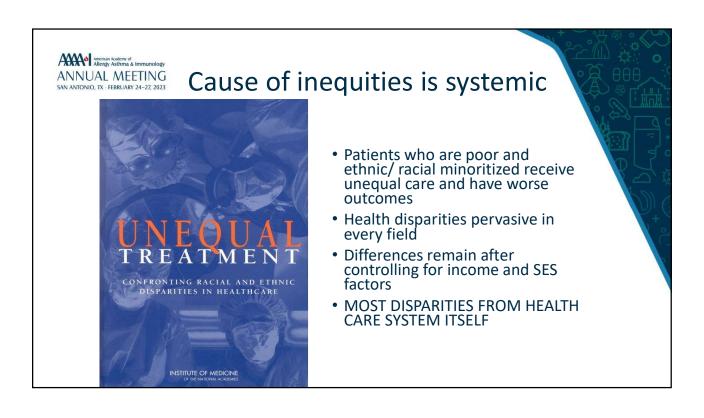
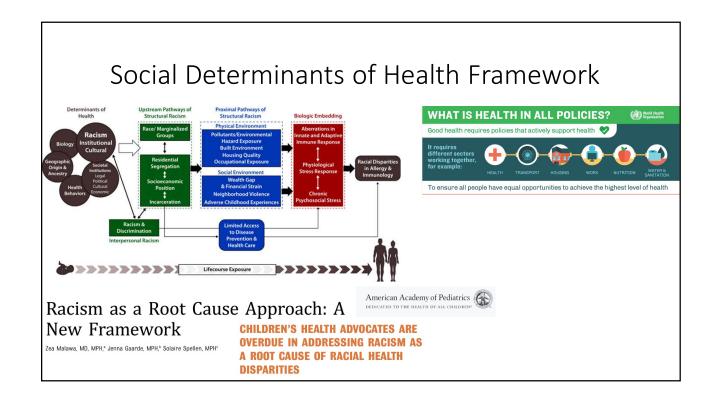




Learning objectives

- Understand that health care disparities are pervasive in all medical specialties highlighting systemic etiology
- Understand proactive and concerted medical education intervention can help increase knowledge in terms of issues and provide more culturally competent care
- Provide framework for addressing topics in curricula
- Goal is to how to practically implement teaching yourselves and fellows/learners







Institute of Medicine/ National Academy of Medicine Recommendations

- Use evidence based medicine
- Perform continuous quality improvement
- Provide education regarding cause of health disparities/inequities
- Incorporate cross-cultural training into medical curricula
- Continue to create diverse workforce

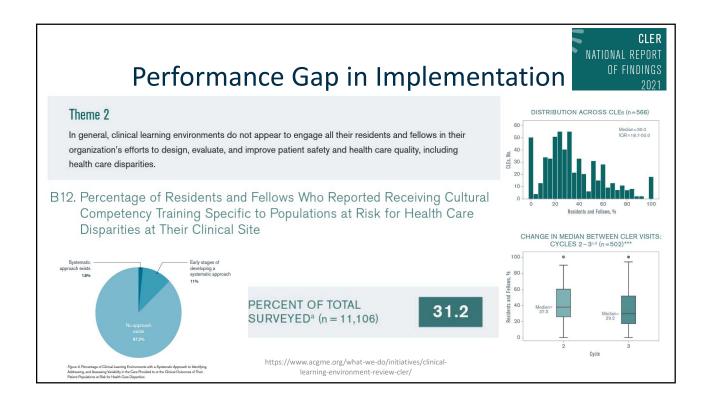


Mandates for addressing health disparities in graduate medical education

 Because of pervasive nature of health disparities, ACGME through Clinical Learning Environment Review initiative has mandated that any ACGME accredited program must perform the following

Background and Intent: The mission of institutions participating in graduate medical education is to improve the health of the public. Each community has health needs that vary based upon location and demographics. Programs must understand the structural and social determinants of health of the populations they serve and incorporate them in the design and implementation of the program curriculum, with the ultimate goal of addressing these needs and eliminating health disparities.

| | . | Immunolo | | tones |
|---|--|--|--|---|
| Systems-Based Practice | 4: Community and Popula | gy Milestones, ACGME Report V | Level 4 | Level 5 |
| Demonstrates knowledge of population or community health needs and disparities | Identifies specific population or community health needs and inequities for the local population | Accesses local resources to meet the needs of a specific patient population or community | Participates in changing and adapting practice to provide for the needs of specific populations or communities | Leads innovations to advocate for specific populations or communities with health care inequities |
| Comments: | | | Not Yet C | ompleted Level 1 |





New and Emerging Areas in Medicine Series

Diversity, Equity, and **Inclusion Competencies** Across the Learning Continuum

Entering Residency (Recent Medical School Graduate) New to DEI Journey

Entering Practice (Recent Residency Graduate)

Advancing Along DEI Journey

Faculty Physician Teaching and Leading

Continuing DEI Journey

Eliminating Inequities in Health Care
Practices that measurably reduce population-level differences in health outcomes, disease burden, and the distribution or allocation of resources between majority and marginalized groups based on race, ethnicity, sex, sexual orientation, gender identity, intellectual and developmental ability, soc nomic status, the physical (built) environment, geographic location, and psychosocial-, behavioral-

- 3a. Describes the value of working in an interprofessional team, including patients, to identify and address social risk factors influencing health (e.g., food security, housing, utilities, transportation) 4a. Identifies systems of power, privilege,
- 3b. Works collaboratively with an interprofessional team, including patients, to screen and refer patients for appropriate resources to address social determinants of health
- 3c. Role models collaborative practices for working with an interprofessional team to address social determinants of health affecting patients and communities

- and oppression and their impacts on health outcomes (e.g., White privilege, racism, sexism, heterosexism, ableism, religious oppression)
- 4b. Makes collaborative care decisions based on an understanding of how systems of power, privilege, and oppression influence health care policies and patient health outcomes
- 4c. Teaches how systems of power, privilege, and oppression inform policies and practices and how to engage with systems to disrupt oppressive practices

- 5a. Describes how stratification (e.g., by race, ethnicity, primary language, socioeconomic status, LGBTQ identification) of quality measures can allow identification of health care disparities
- 5b. Explores stratified quality improvement (QI) data for their patient population and uses these data to identify health care disparities
- 5c. Describes how monitoring stratified QI data can help assess the risk of unintended consequences (e.g., widening the disparity gap) and uses stratified QI data to guide and monitor QI interventions

- 6a. Explains the role of the health care system in identifying and meeting the local needs of the community (e.g., the role of the community health needs assessment or the community health improvement plan)
- 6b. Collaborates with a diverse interprofessional team within their system and with community members to meet identified community health needs
- 6c. Leads, formulates, and/or participates in interprofessional partnerships designed to improve community health needs

Practicing Anti-racism and Critical Consciousness in Health Care

Educational and clinical practices that seek to revise and correct local, state, and national policies; institutional practices; and cultural misrepresentations that enable and perpetuate racial bias and race-based health care inequities

- 7a. Describes past and current examples of racism and oppression (internalized, interpersonal, institutional, and structural) and their impact on trust, health, and health care
- 7b. Engages with the health care team and patients to identify the impacts of racism and oppression and challenges these behaviors and practices in the local setting
- 7c. Role models anti-racism in medicine and teaching, including strategies grounded in critical understanding of unjust systems of oppression

- 8a. Articulates race as a social construct that is a cause of health and health care inequities, not a risk factor for disease
- 8b. Identifies and corrects misuse of clinical tools and practices that substantiate race-based medicine
- 8c. Supports and participates in system-level solutions to end racist practices in education and clinical delivery that substantiate race-based medicine

- 9a. Describes the impact of various systems of oppression on health and health care (e.g., colonization, White supremacy, acculturation, assimilation)
- 9b. Collaborates to identify and act on system-level strategies to reduce the effects of various systems of oppression on health and health care
- 9c. Teaches and examines system-level strategies to remedy the impact of systems of oppression on health and health care

Advocating for Equity in Health and Health Care

Practices that influence decision-makers and other vested groups and individuals to support or implement system-level policies and practices that contribute to realizing health equity

- 10a. Describes public policy that promotes social justice and addresses social determinants of health
- 10b. Promotes social justice and engages in efforts to eliminate health care disparities
- 10c. Leads or participates in organizational and public policy approaches to promote social justice, eliminate health care disparities, and address social determinants of health

Overview of competencies

- 1. Residents/fellows and faculty members receive education on identifying and reducing health care disparities relevant to the patient population served by the clinical site
- 2. Residents/fellows and faculty members receive training in cultural competency relevant to the patient population served by the clinical site
- 3. Residents/fellows and faculty members know the clinical site's priorities for addressing health care disparities
- 4. Resident/fellows are engaged in QI activities addressing health care disparities for vulnerable populations served by the clinical site



Get Proximate

"When people get proximate to the problems and the things they care most deeply about, not only does it help them do better work, and be better problem solvers - it changes them...We all have to get closer to the problems that burden us."

- Bryan Stevenson, JD







COMMITTEE UPDATE: PART I

BECOMING ANTI-RACIST IN MEDICAL EDUCATION: EMBRACING DISCOMFORT, ACKNOWLEDGING CULPABILITY, MOVING TOWARD CHANGE

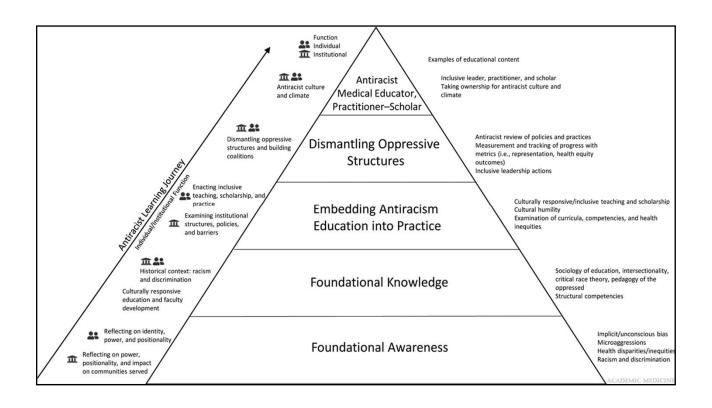
Eloho Ufomata, MD, MS; Aditi Puri, MD, MS; Rani Nandiwada, MD, MS; Carla Spagnoletti, MD, MS; Rachel Bonnema, MD, MS

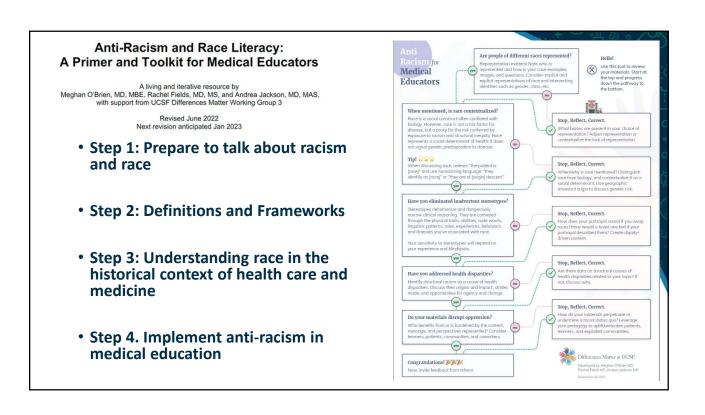


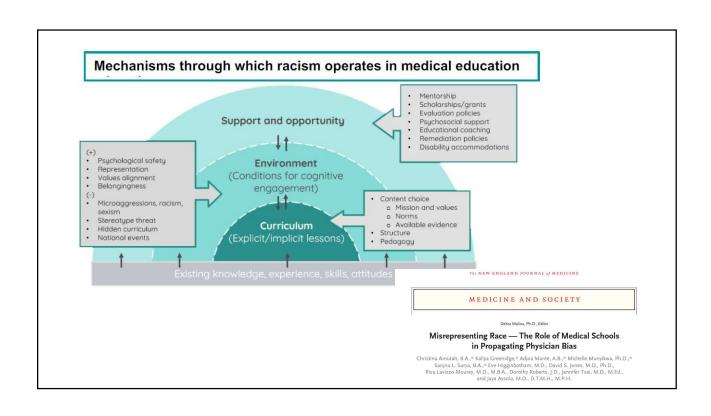
Antiracist pedagogy

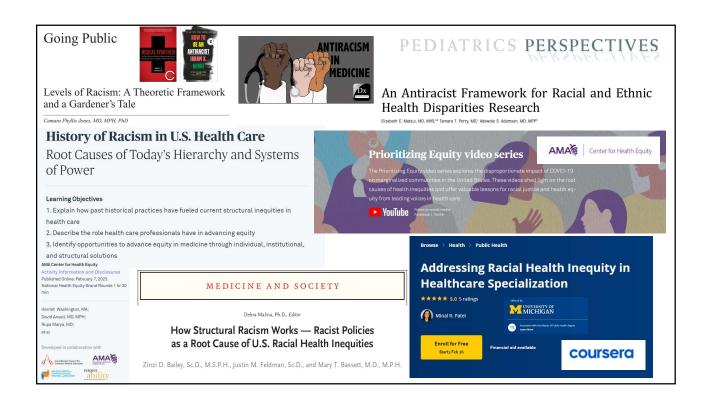
- An **intentional** and **strategic** organizing effort in which:
- Incorporating anti-racist approaches into our teaching
- Apply anti-racist values into our various spheres of influence (didactics/clinical care)











Health Equity Definitions

Culture of Health: a culture in which good health and well-being flourish across geographic, demographic, and social sectors; fostering healthy, equitable communities guides public and private decisionmaking; and everyone has the opportunity to make choices that lead to healthy lifestyles

Health Disparities: differences that exist among specific population groups in the U.S. in their opportunities to reach their full health potential

Health Equity: the state in which everyone has the opportunity to attain full health potential and no one is disadvantaged from achieving this potential because of social position or any other socially defined circumstance

Structural Racism: the complex structures and systems by which racism is developed, maintained, and protected

The Culture of Health Program recognizes these terms reflect current understanding at the time but should remain dynamic based on further evidence and learnings, including use by community and grassroots organizations leading the way in these conversations. We do not intend for our language choices to be exclusionary and aim to be inclusive of the experiences of Black, Indigenous, and people of color - including the Latinx/Latino/Hispanic communities and Asian Americans and Pacific Islanders (AAPI) - and everyone affected by inequity in the U.S., while acknowledging and addressing structural racism and unequal allocation of power and resources as root causes of health inequity.

EQUALITY:Everyone gets the same – regardless if it's needed or right for them.



EVERYONE gets what they need – understanding the barriers, circumstances, and conditions.



TABLE I. Glossary of terms

| Term | Definition | | |
|-------------------------------|---|--|--|
| Access to care | The timely use of personal health services to achieve the best health outcomes | | |
| Antiracism | Encompasses a range of ideas and political actions that are meant to counter racial prejudice, systemic racism, and the oppression of specific racial groups | | |
| Cultural competence | Ability to understand and interact effectively with people from other cultures | | |
| Cultural humility | Process of reflection and lifelong inquiry, involves self-awareness of personal and cultural biases as well as awareness, and sensitivity to significant cultural issues of others | | |
| Equality | The existence of tools or programs that are distributed evenly in any measurable aspects of health of individuals or groups, usually based on specific attributes such as race and income | | |
| Equity | Achieved when every person has the opportunity to "attain his or her full health potential" and no one is disadvantaged from achieving this potential because of social position or other socially determined circumstances | | |
| Health disparity | Differences in the incidence, prevalence, mortality, and burden of diseases and other adverse health conditions that exist among specific population groups | | |
| Health care disparity | Typically refers to differences between groups in health insurance coverage, access to and use of care, and quality of care | | |
| Implicit bias | The phenomenon that perceptions, attitudes, and stereotypes can operate before conscious intention or endorsement | | |
| Race concordance | When the race of a patient matches the race of his or her physician and discordance occurs when races do not match | | |
| Segregation | The systematic separation of people into racial or other ethnic groups in daily life | | |
| Social determinants of health | Conditions or circumstances in which people are born, grow, live, work, and age | | |
| Systemic racism | A form of racism that is embedded in the laws and regulations of a society or an organization that manifests as discrimination in areas such as criminal justice, employment, housing, health care, education, and political representation | | |

Disparities Reflect & Contribute to the Impact of Structural Racism on Health at the Systems Level

Social Determinants of Health



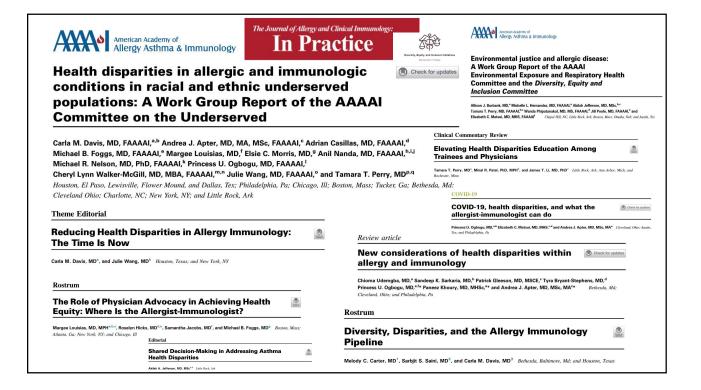
| Social Determinants of Health Copyright-free | Healthy People 2030 بالناب |
|---|----------------------------|
|---|----------------------------|

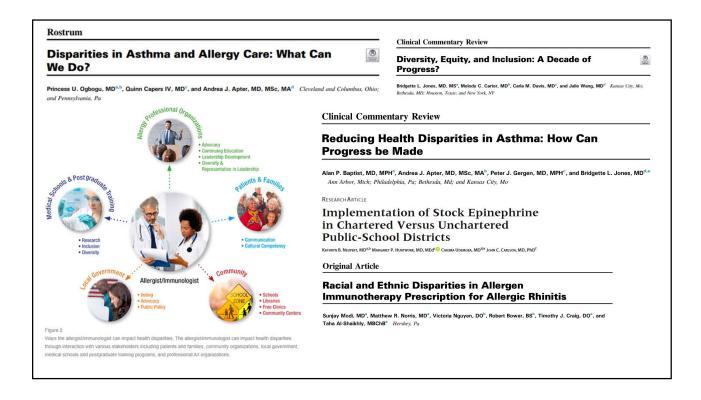
Citation: Healthy People 2030, U.S. Department of Health and Human Services, Office of Disease Prevention and Health Promotion. Retrieved September 1, 2022, from https://health.gov/healthypeople/objectives-and-data/social-determinants-health

National Institute on Minority Health and Health Disparities Research Framework

| | | | Levels of Influence* | | |
|---|-------------------------------|---|--|---|---|
| | | Individual | Interpersonal | Community | Societal |
| | Biological | Biological Vulnerability and Mechanisms | Caregiver-Child Interaction Family Microbiome | Community Illness Exposure Herd Immunity | Sanitation Immunization Pathogen Exposure |
| e) | Behavioral | Health Behaviors Coping Strategies | Family Functioning School/Work Functioning | Community Functioning | Policies and Laws |
| of Influ | Physical/Built Environment | Personal Environment | Household Environment School/Work Environment | Community Environment Community Resources | Societal Structure |
| Domains of Influence (Over the Lifecourse) | Sociocultural Environment | Sociodemographics Limited English Cultural Identity Response to Discrimination | Social Networks Family/Peer Norms Interpersonal Discrimination | Community Norms Local Structural Discrimination | Social Norms Societal Structural Discrimination |
| | Health Care System | Insurance Coverage Health Literacy Treatment Preferences | Patient-Clinician Relationship Medical Decision-Making | Availability of Services Safety Net Services | Quality of Care Health Care Policies |
| Hea | Ith Outcomes | 8 Individual Health | Family/ Organizational Health | Community | Population Health |

National institute on Minority Health and Health Disparities, 2018
"Health Disparity Populations: Race/Ethnicity, Low ESS, Rural, Sexual and Gender Minority
Other Evolumental Characteristics: Sex and Gender Cleanity Congression Region."







| Modules | Content Areas | | |
|---|---|--|--|
| Module 1. Disparities foundations | Review of disparities data Role of social determinants Role of health care Role of provider-patient encounter Resources for updating disparities information | | |
| Module 2. Teaching disparities in the clinical setting | Challenges to teaching in the clinical setting (hidden curriculum, institutional dynamics) Suggestions for working with skeptical learners (eg, reasons for resistance, model and recognize good behavior, demonstrate knowledge and skills) Five cases (limited English proficiency, medical mistakes, limited literacy, stereotyping, informed consent) | | |
| Module 3. Disparities beyond the clinical setting | | | |
| Module 4. Teaching about disparities through community involvement | Introduction to community | | |
| Module 5. Curriculum evaluation | Program evaluation, design features of an evaluation study that allow investigator to: draw conclusions about specific instance, and identify threats to reliability and validity | | |

Data from Society of General Internal Medicine (SGIM). A Train the Trainer Guide: Health Disparities Education, 2008. Available at: https://www.sgim.org/File%20Library/SGIM/Communities/Education/Resources/SGIM-DTFES-Health-Disparities-Training-Guide.pdf. Accessed Feb 21 2019. Blanco et al. 2020

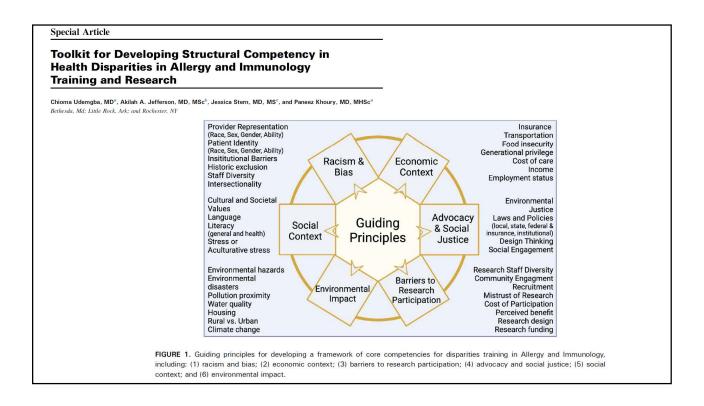
| Step | Content Area | | |
|--|--|--|--|
| Step 1. Define terms and concepts | Review of the basic terms and concepts related to health equity Explaining distinction between HCDs and HDs Reducing HCD: should be initial focus within QI efforts | | |
| Step 2. Understand and disseminate the current knowledge of HCDs in field | Set of strategies that medical educators can use to engage residents/fellows to address HCDs, using a two-step method: (1 raising faculty awareness of HD/HCD relevant in their clinical field; (2) develop a plan of dissemination of this information to colleagues and trainees | | |
| Step 3. Identify HCDs locally and apply QI methods to address them | Reviewing potential sources and methods for obtaining/analyzing data to determine whether and if so, why an equity gap may exist in an institution Review strategies for and share examples of applying classic QI methods to address identified disparities | | |
| Step 4. Evaluate every QI effort for the potential equity angle | Independent from previous steps Addressing how every QI effort provides an opportunity to consider health equity | | |

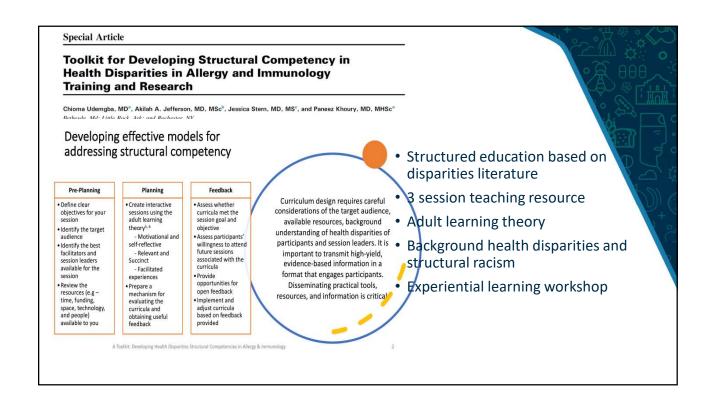
Abbreviations: HCD, health care disparity; HD, health disparity; QI, quality improvement.

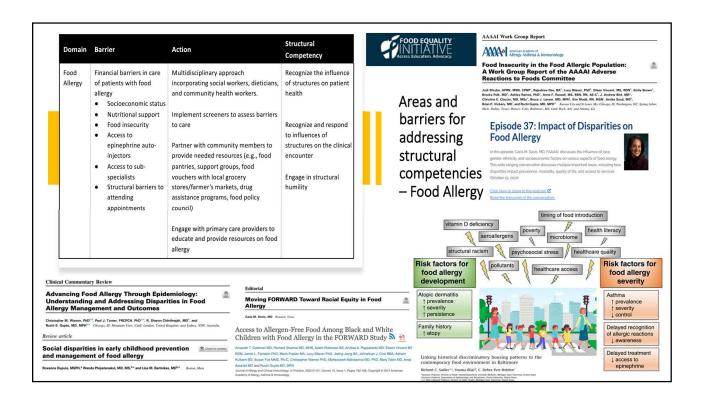
Data from Aysola J, Myers JS. Integrating Training in Quality Improvement and Health Equity in Graduate Medical Education: Two Curricula for the Price of One. Acad Med 2018;93(1):31-34.

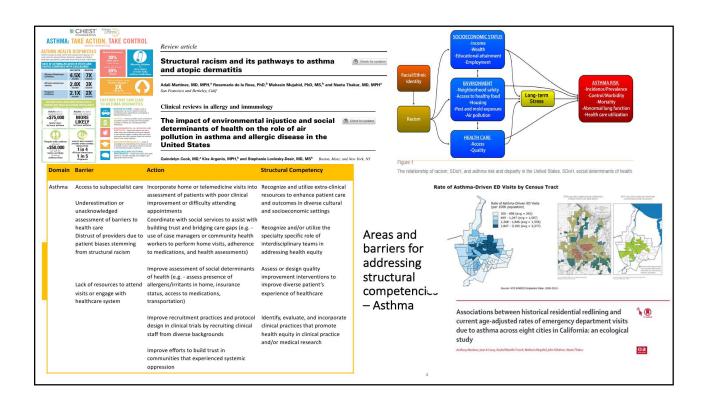
Blanco et al. 2020

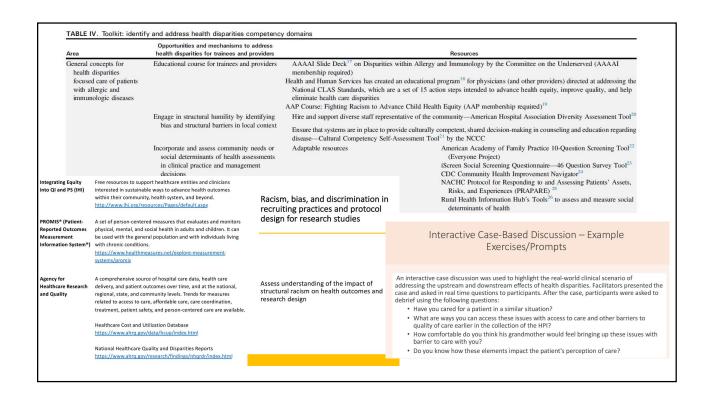
| Reference | Educational Method/Model | Brief Description | Topics Covered |
|-------------------------------------|--|--|---|
| Patow et al, ⁵² 2016 | Experiential education | Educational models developed for residents, fellows, and faculty with goal to improve understanding of cultural diversity and health care disparity Various models used, including simulation scenarios, community tours, house calls, cultural films, and so forth | Ethnic and cultural diversity Cultural competence in health care Community advocacy Social determinants of health Ethnic foods, cultural goods, and traditional remedies |
| Paul et al, ⁵³ 2009 | Medical-legal partnerships | Education of medical students and residents, by lawyers, how to address patients' legal needs Promotes physician role in advocating for housing and government benefits for their patients | Family advocacy Legal assistance for medical patients Medical-legal partnership |
| Benson et al, ⁵⁴ 2018 | Quality improvement health disparity initiative | Educational initiative designed to increase resident awareness of prevalent health disparities in the community delivered through PDSA framework, divided into 2 cycles Cycles were organized through either didactic sessions (PDSA cycle I) or small group discussion format (PDSA cycle II) | General health disparity Diabetes-related health disparity, diabetes self- management and education |
| Ross et al, ⁴⁸ 2010 | "Train the Trainer" curricula | A 5-module curricula on health disparity in various settings and social determinants of health, designated to educate faculty through didactics, small group sessions, case-based lectures, and so forth | Disparity foundations Teaching disparities in the clinical setting Disparities beyond the clinical setting Teaching about disparity through community involvement Curriculum evaluation |
| Noriea et al, ⁵⁵ 2017 | Lecture-based curricula | General health disparity 2-y curricula for internal medicine residents, delivered through didactics sessions and experiential learning (assigned videos) and case discussions | Social determinants of health Environmental determinants of health Patient-provider interaction Patient advocacy Disparities in research Language, acculturation, and immigrant health |

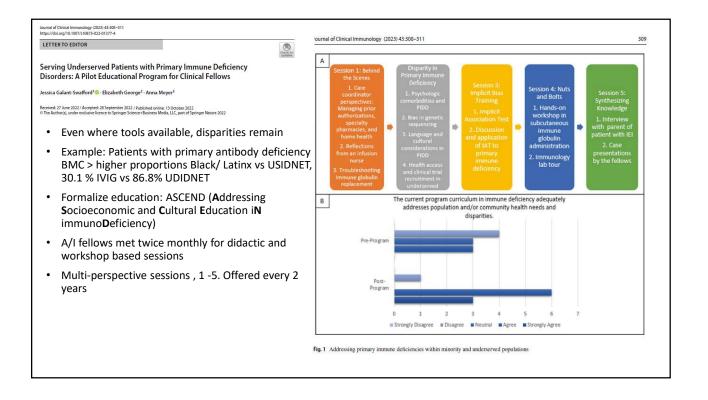


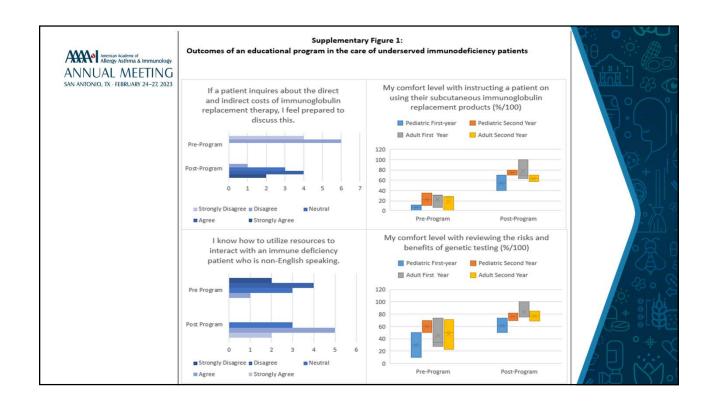


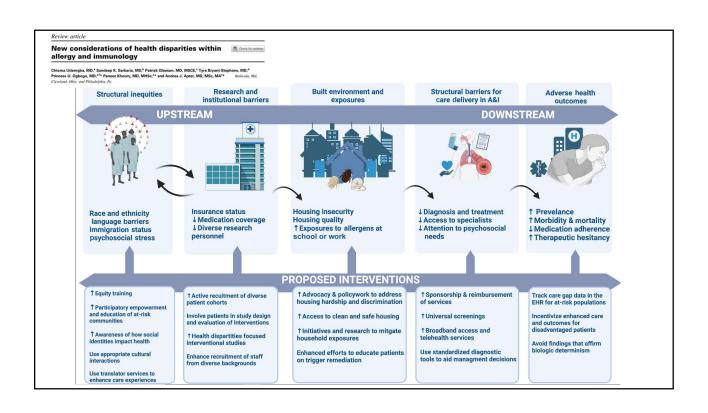


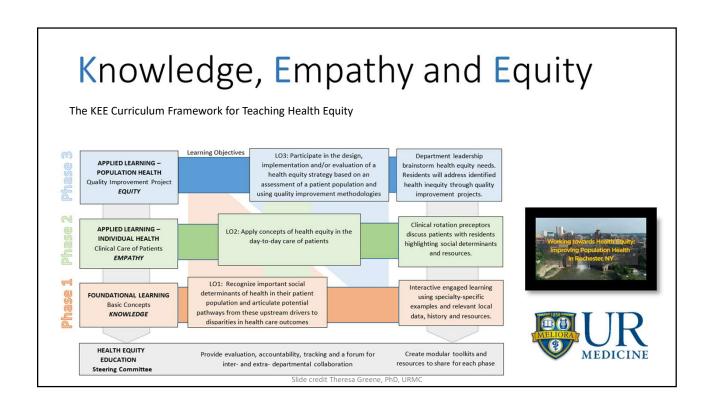


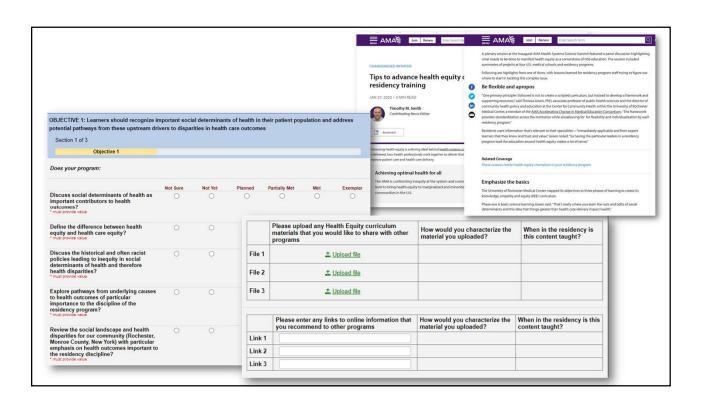


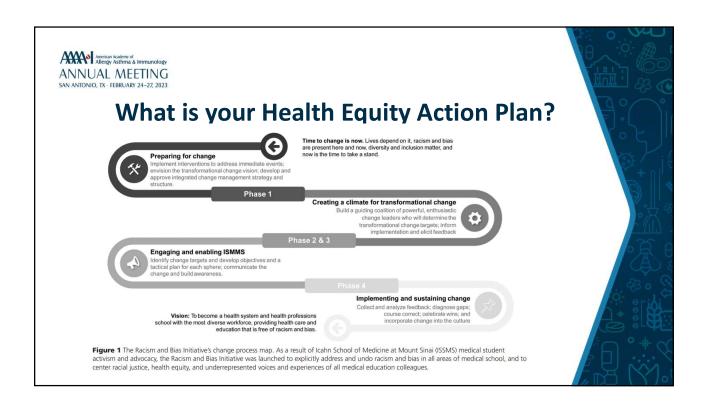












What is your Health Equity Action Plan?

- Use a Social Justice Lens & Growth Mindset
- Embrace the journey, it will be arduous at times
- Get proximal, self reflect, check bias
- Center lived experiences
- Be learner centered and co-create
- Learn from each other
- Hold each other accountable
- Place your curriculum in the larger context of society
- Affirm your students
- Avoid calling on your equity deserving students to be the gatekeepers in this knowledge





What is your Health Equity Action Plan?

Individual changes

- 1. Diversify curriculum and course content
- 2. Encourage student/educator reflexivity on intersecting identities
- 3. Explore implications of microaggressions
- 4. Make connections between everyday racism and systems of oppression
- 5. Interrogate claims of race neutrality

Systemic/Institutional changes

- Leadership commitment to Antiracism/Organizational cultures
- Value Lived experiences
- **Faculty Development**
- Representation in those delivering the curriculum
- Prioritization throughout all instruction
- Fair and equitable evaluation of students
- Safe, Transparent Reporting system with Accountability



Resources

- JACI in Practice articles
- AAAAI DEI website resources
- AAAAI Teaching slides
- Leadership Institute project slides
- AAAAI Webinars



Conversations from the World of Allergy

Episode 81: We Are All Impacted by **Implicit Biases**

Episode 69: Serving the Underserved: A Real World Asthma Study With **Promising Applications**

Episode 38: Asthma Disparities





The Impact of Implicit Bias on Health Outcomes and Strategies for Reducing Bias



References

- Sotto-Santiago, Sylk EdD, MBA, MPS1; Poll-Hunter, Norma PhD2; Trice, Traci MD3; Buenconsejo-Lum, Lee MD4; Golden, Sherita MD, MHS5; Howell, Joy MD6; Jacobs, Nicole PhD7; Lee, Winona MD8; Mason, Hyacinth PhD, MPH9; Ogunyemi, Dotun MD10; Crespo, Waleska PhD11; Lamba, Sangeeta MD, MS-HPEd12. A Framework for Developing Antiracist Medical Educators and Practitioner–Scholars. Academic Medicine 97(1):p 41-47, January 2022. | DOI: 10.1097/ACM.000000000000004385
- Lupton KL, O'Sullivan PS. How Medical Educators Can Foster Equity and Inclusion in Their Teaching: A Faculty Development Workshop Series. Acad Med. 2020 Dec;95(12S Addressing Harmful Bias and Eliminating Discrimination in Health Professions Learning Environments):S71-S76. doi: 10.1097/ACM.0000000000003687. PMID: 32889923.
- Martinez A, de la Rosa R, Mujahid M, Thakur N. Structural racism and its pathways to asthma and atopic dermatitis. J Allergy Clin Immunol. 2021 Nov;148(5):1112-1120. doi: 10.1016/j.jaci.2021.09.020. PMID: 34743832; PMCID: PMC9186508.
- Udemgba C, Sarkaria SK, Gleeson P, Bryant-Stephens T, Ogbogu PU, Khoury P, Apter AJ. New considerations of health disparities within allergy and immunology. J Allergy Clin Immunol. 2023 Feb;151(2):314-323. doi: 10.1016/j.jaci.2022.11.004. Epub 2022 Dec 8. PMID: 36503854; PMCID: PMC9905264.
- Smedley B.D.Stith A.Y.Nelson A.R.Unequal treatment: confronting racial and ethnic disparities in health care.2003.National Academies PressWashington, DC:
- Blanco I, Barjaktarovic N, Gonzalez CM. Addressing Health Disparities in Medical Education and Clinical Practice. Rheum Dis Clin North Am. 2020 Feb;46(1):179-191. doi: 10.1016/j.rdc.2019.09.012. PMID: 31757284.