Diversity, Equity and I	nclusio	on:
What Does That Mea	n for N	/le?

BENYAM MULUNEH, PHARMD, BCOP, CPP
UNC ESHELMAN SCHOOL OF PHARMACY

Disclosures

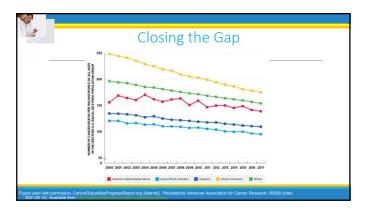
 $\overline{\text{Consultant for Servier Pharmaceuticals and spouse is an employee with stock ownership at Novartis.}$

Learning Objectives

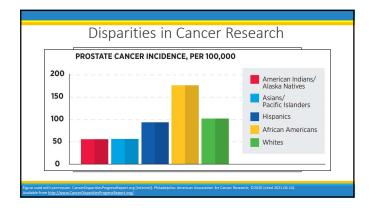
- Discuss existing health disparities in cancer care
- 2 Summarize structural and social factors that perpetuate racism as a risk factor for outcome disparities in oncology
- Describe a framework for mitigating racial disparities in cancer care with evidence-based interventions in teaching, research, and clinical practice







ties in Incid			atti
	Incidence	Death	
Prostate	1.69	2.11	
Stomach	1.68	2.04	
Multiple Myeloma	2.23	2.00	
Cervix uteri	1.17	1.41	
Breast	0.97	1.39	
Colorectal	1.25	1.37	
Liver and intrahepatic bile duct	1.61	1.35	
Pancreas	1.24	1.21	
Lung and Bronchus	1.13	1.02	
Kidney and renal pelvis	1.22	0.92	





Which of the following best represents the disparities that exists in cancer outcomes?

- A. The disparity in mortality between White and African American patients with cancer continues to worsen, with African American patients experiencing an increasing rate of death relative to that of White patients.
- B. Disparities in cancer outcomes are largely attributable to biological and genetic factors, with limited impact from socioeconomic factors.
- C. The impact of social determinants on outcome in cancer care is limited to only a couple of cancers.
- D. African Americans are more likely to have lower household incomes, be uninsured, and have a lower level of education compared to Whites, contributing to worse cancer outcomes.

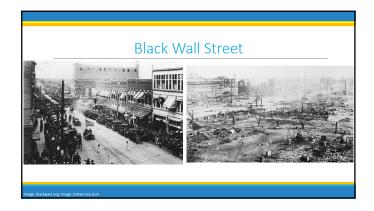
Summarize structural and social factors that perpetuate racism as a risk factor

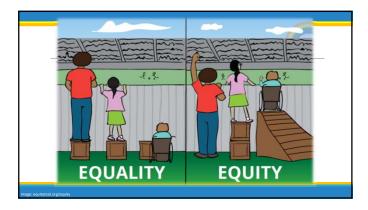
James Marion Sims and Henrietta Lacks

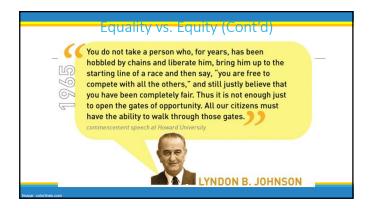
- J. Sims: Practiced surgical techniques on enslaved Black women without anesthesia
 He later went on to do to the same procedures in wealthy white women under anesthesia (1840s)
- Henrietta Lacks' infamous immortalized cell line was harvested from her in the 1940s without her consent.
- Her cells' success in cancer research remained unknown to her family until 1975, decades after she passed away from cervical cancer

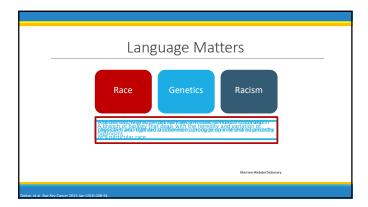


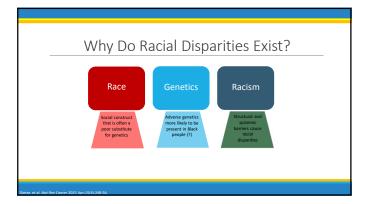
used with permission. Image: Henrietta Lacks in 1940s.

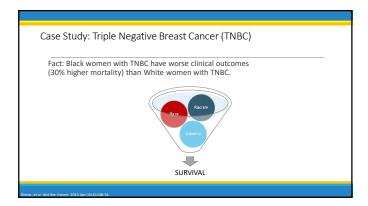


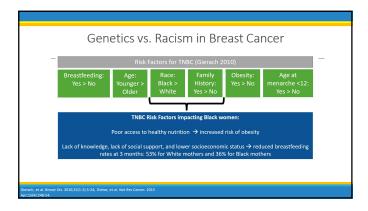


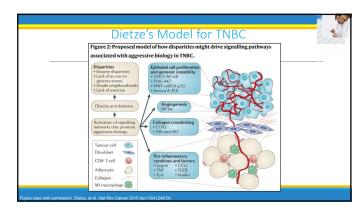












Genetics vs. Racism? • Similar to BRCA1, what research has been done to identify genetic mutations that may be present at a higher frequency in women of West African decent? (eg. genome-wide association studies by the Black Women's Health Study in Boston University → CLPTM1L, LOC643714) • What therapeutic areas are currently being funded in breast cancer research? (ER/PR and Her2 vs TNBC) • Although Black women develop TNBC at higher rates, why do disparities exist in TNBC clinical outcomes?

Which of the following is true regarding race in the context of cancer care? A. Race is a biological construct that can be used accurately to predict the genetic profile of patients

- B. Race is a social construct which is often a poor substitute for genetics
- C. Race is a medical construct that can be an important risk factor for many clinical outcomes
- D. Race is a cultural construct that is a key risk factor for disparities

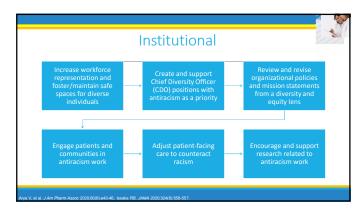
Identify strategies for overcoming racial disparities in cancer care

Antiracist work must happen on every level of structural inequality

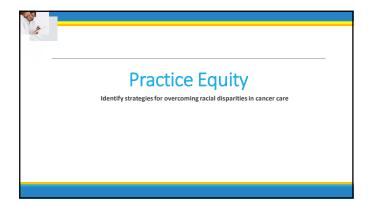
Adams M, Blumenfeld WJ. Readings for Diversity and Social Justice. United Kingdom: Routidege, 2018.



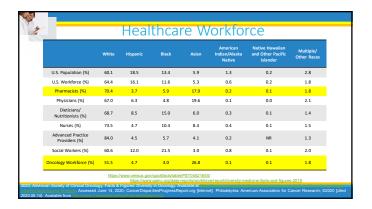
"Recognize and take individual responsibility to deepen our awareness around structural racism and its impact on our patients and communities over time" – Arya V, et al. Commit to continuous education and training Understanding, recognizing, and responding to: Implicit bias, micro- and macro-aggressions, structural and social determinants of health, gaslighting, structural racism, racist policies, white supremacy, intersectionality, privilege, oppression



Societal/Cultural Continue to advocate for and prioritize antiracist training Local, regional, and national advocacy Prepare future pharmacists to engage in care for under-represented groups with cultural humility To err is human but ignorance is not bliss: foster a space where reporting racist acts, systems, and policies is seen as a necessary opportunity for growth Overt acts of racism must be met with discipline







Improving Workforce Diversity

- Improving workforce diversity and cultural awareness
- Prioritize in health affairs and training programs
- Prioritize in recruitment and retention
- Maintaining workforce diversity
- Mentorship and leadership
- Minimizing isolation
- Constant and consistent attention on cultural awareness

ncerDisparitiesProgressReport.org [Internet]. Philadelphia: American Association for Cancer Research; ©2020 [cited 2021.06.14]. Available fron

Improving Workforce Diversity (Cont'd) Influence Advantage of Workforce Diversity Implicit biases Challenges and rejects biases as false and unreliable Cultural Improves cultural competence Incompetence Challenges "one-size-fits-all" approaches Systemic disparities Rejects and prevents systematic discrimination and racism Creativity Fosters creative solutions, ideas, and innovations

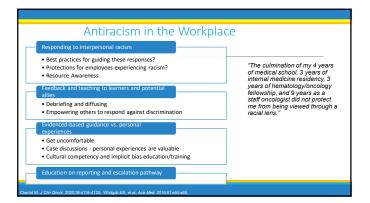
Case: Practice Equity

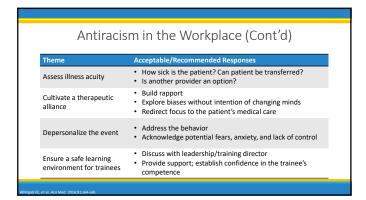
A Black female pharmacist is seeing patients in clinic and walks into the room of an elderly White male patient to counsel him on his new oral chemotherapy. The patient is accompanied by his wife and daughter who are also White. The pharmacy stadent with her to observe the counseling. The patient asks the pharmacist to hold up her hands against his because "Blacks have longer fingers."

How should she respond? What should she do? What should the pharmacy learners do?

A pharmacist is rounding with her team and an environmental services worker accidentally hits a code button in a patient's room while cleaning. A nurse responds to the alarm to learn that it was an accident. The nurse states "I know you are from different shores and English is not your first language, but you should know better than to hit that (explicit) button." Other nurse and environmental service team members are around.

How should the EVS team member respond? What should those observing the scenario do?







Case: Research Equity

- You are the PI of a prospective Phase 2 trial studying the impact of duloxetine for treatment of chemotherapy-induced neuropathy in multiple myeloma patients. Six months into the study, you notice that out of 86 patients enrolled, only 1 is Black. Your study team meets to address this, and the study coordinator mentions "it just seems like Black patients don't really want to be on this study. I have tried really hard to make sure to answer all their questions. I don't know if there is anything else we can do."
- What are approaches we could take now, and in the future, to address issues raised in this case?





Which of the following is true of antiracist work? A. A one-time declaration in which one commits to being antiracist is sufficient B. History of implicit bias training qualifies a person as being actively antiracist C. Continuous self-reflection, education, and action are required to be antiracist D. A true antiracist is always comfortable with engaging in antiracist work

Discuss existing health disparities in cancer care Black cancer patients face poorer outcomes compared to White counterparts due to systemic racism. Summarize structural and social factors that perpetuate racism as a risk factor for outcome disparities in oncology Many historical and current racial injustices negatively impact the experiences of Black people in the United States Describe a framework for mitigating racial disparities in cancer care with evidence-based interventions in teaching, research, and clinical practice in order to solve racial health disparities, a multi-pronged approach must be taken to acknowledges and addresses the individual, institutional, and societal/cultural impacts of racism.

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