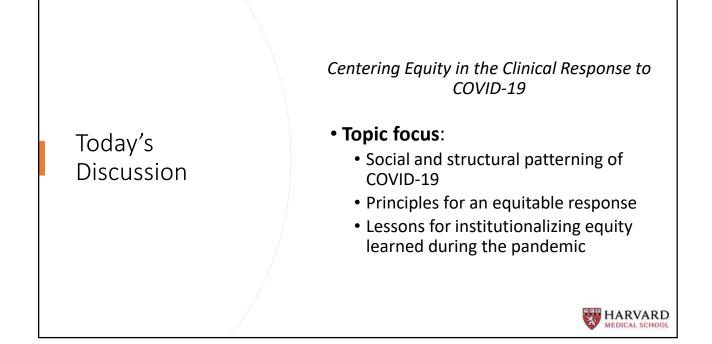
COVID-19: HEALTH EQUITY AND VULNERABLE POPULATIONS

Cheryl R. Clark, MD, ScD and Bram Wispelwey, MD, MS





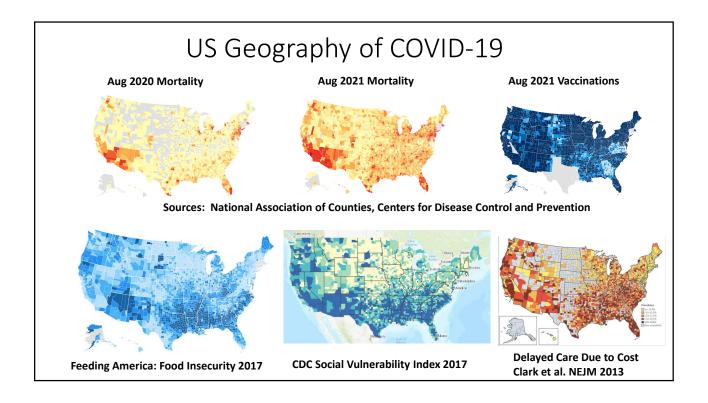


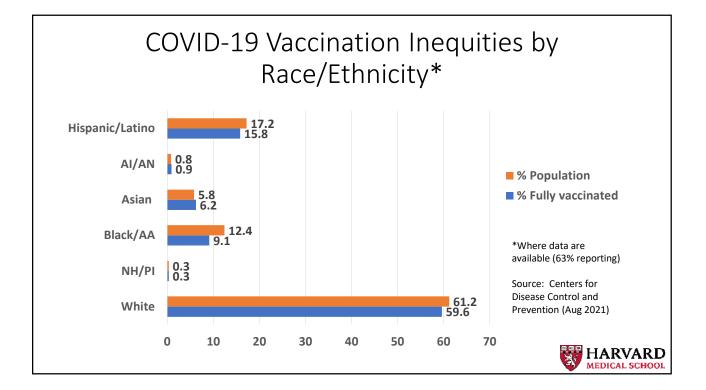


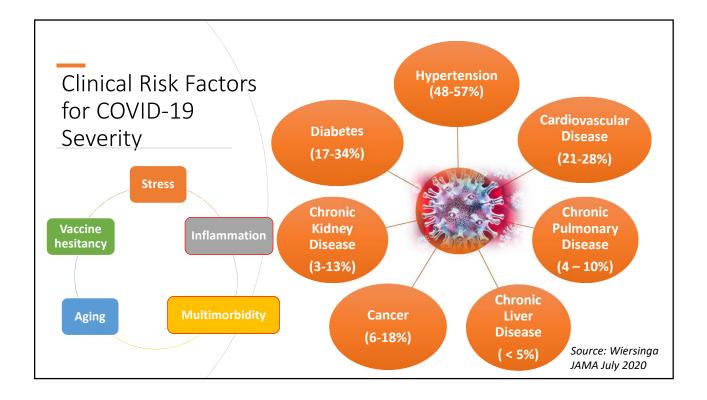
- A vibrant 60-year-old woman is admitted with severe difficulty breathing.
- She could not get tested in her community.
- A language divide delayed care
- She asks what you are going to do to ease suffering.

Why has this happened to her? What should we do?

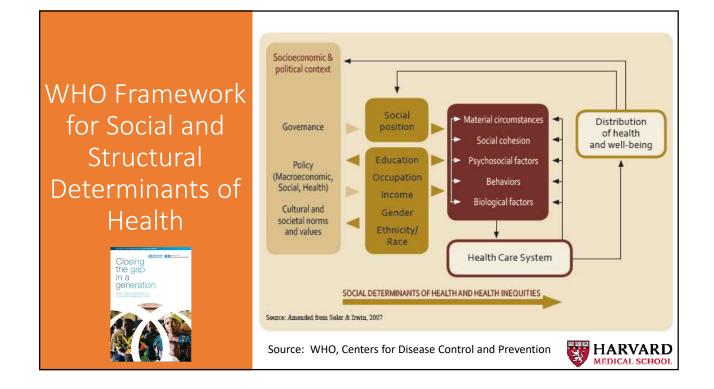


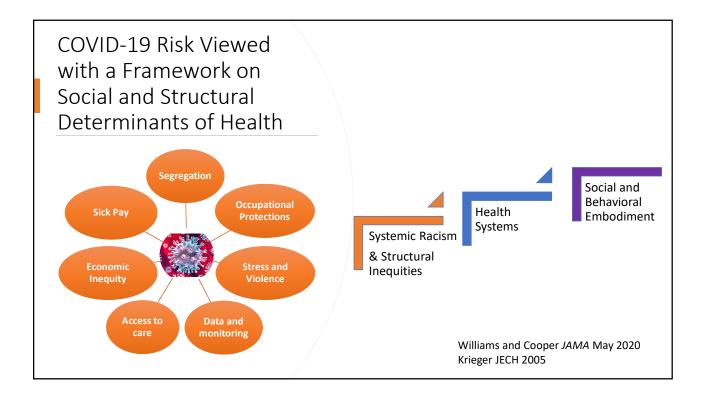


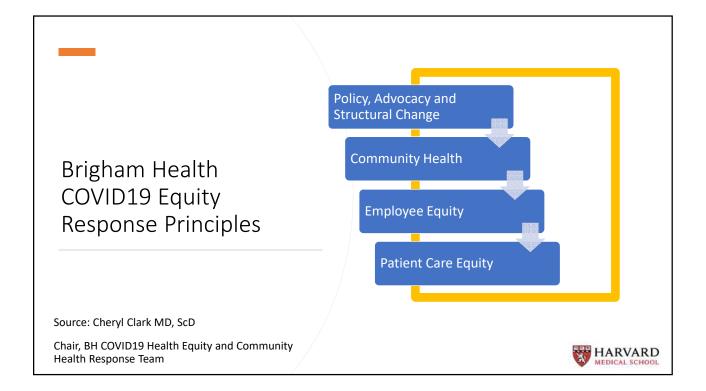






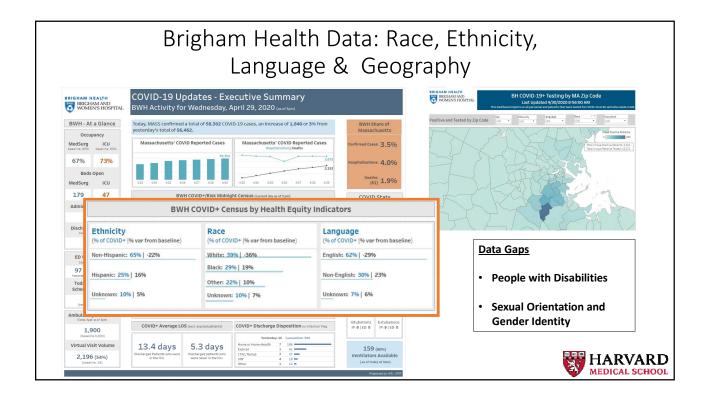






Brigham Health COVID-19 Equity Response Team Work Streams Communication Employee Community Data and **Policy and** Access to Equity Health Care Monitoring and Engagement Advocacy Across Language and Digital **Divides** . 2 **Embed Equity Roles in Hospital Incident Command System Leadership** HARVARD MEDICAL SCHOOL





Care Delivery: Language Solutions for Patients



Yilu Ma, Director of Interpreter Services Brigham and Women's Hospital

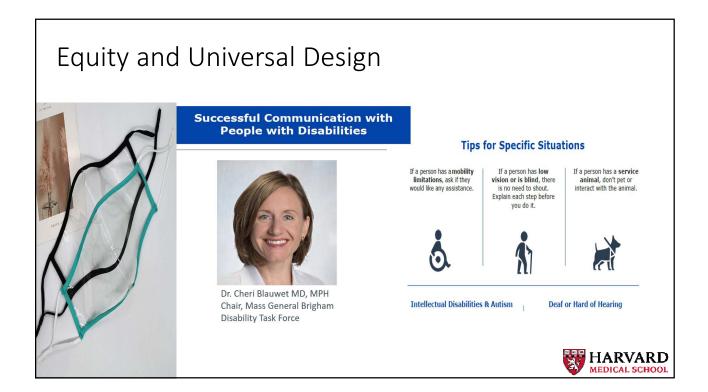


Esteban Gershanik, Director of Quality & Safety Brigham and Women's Hospital

- Optimize Interpreter Use
 - Workflows for COVID
- Increase Virtual Care
 - New interpreter electronic tablets

HARVARD

• *Virtual Care language integration



Communicating Equitably with Employees

D-19 Update, May 13, 2020



Tina Gelsomino Director, Center for Diversity and Inclusion, Brigham Health

Immigration status.
Tomorrow: Virtual Town Hall: Supporting Our Community in the Time of COVID-19 & Xenophobia
The Center for Diversity and Inclusion is hosting a virtual town hall tomorrow, Thursday, May 14 at 2 p.m. to provide space for discussion on how racism and
xenophobia continue to impact members of our Asian/Asian American community during the COVID-19 pandemic. This will be a safe space for the entire
Brigham community to talk about this topic and share related experiences with one another. <u>Register here</u>.

agg/rato is : 支持我們的分话 風趣對行政時於不的小心理
面對冠鉄時於大流行所出即9種族主義和00分心理。
函素對何飲為美國的分心理是如何繼續影響我們的充滿美國人社區。為布萊根(tengham)社區計讀此主題或相互分享相關總額提供安全空間
。在這證註冊 (Register here).

EAP Support Is Available | El apoyo del EAP está disponible | Le support du PAE est disponible
. Are you under stress? Have you lost a family member to COVID? Brigham Health is offering confidential telephone EAP sessions to support you during
COVID-19. The EAP has English., French- and Spanish-speaking consisters available. At times like this, when you may need help with finances or help
for yourself, EAP is here for you. You can call EAP anytime 866-724-4327.

• ¿Te sientes estresado? ¿Has perdido un miembro de tu familia debido a COVID? Brigham Health ofrece sesiones confidenciales de EAP por teléfond



Employee Health

Advocating for affordable childcare

Equitable access to equipment

Responding to diverse communication needs

Connecting employees with resources

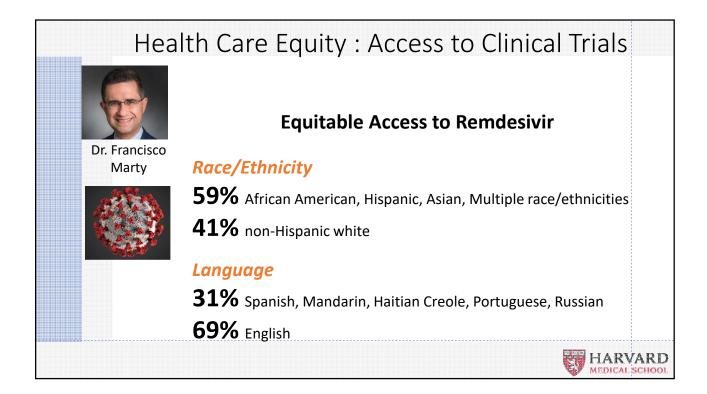






Karthik Sivashanker MD, Medical Director, Quality, Safety & Equity, BWH





Building on Community A	ssets for Achieving He	ealth Equity
	Combined COVID-19 and Social Care in Community Settings	Numbers as of Spring 2021
	SARS-COV2 Tests administered	16,743
	Social Determinants of Health Screenings performed	13,932
	Care Kits distributed	19,377
	Food Boxes/Bags distributed	10,448
	COVID Vaccination	2,302
	Voters Registered	428
	Source: Ms. Tracy Sylven, Dr. Christin Price, Ms. Mimi Joliffe Brigham Health	HARVARD MEDICAL SCHOOL

Precision Health Equity for COVID Vaccination



- Community organization leaders
- Education sessions
- Accessible/mobile locations
- Multiple languages
- Multicultural teams
- Branding



Collaborative design Smaller scale locally-tailored vaccination clinics

Source: Dr. Cheryl Clark MD, ScD





RACIAL INEQUITIES IN THE HOSPITAL

CASE STUDIES IN ANTIRACIST RESEARCH AND ACTION

Bram Wispelwey, MD MS MPH



Definitions

Health Disparities

• The differences between the health of one population and another in measures of who gets diseases, who has a disease, who died from disease, and other adverse health conditions that exist among specific population groups in the US.

• Health Inequities

• The differences in health status or in the distribution of health determinants between different population groups, and *these differences are systematic, avoidable, unfair and unjust, and are rooted in racial, social and economic injustice, and are attributable to social, economic, and environmental conditions in which people live, work and play.*

Bharmal, N., Derose, K. Felician, M. (2015) Understanding the upstream social determinants of health. *Encyclopedia of Public Health:* RAND Health. And "Fact File on Health Inequities." (2016). World Health Organization.

Definitions

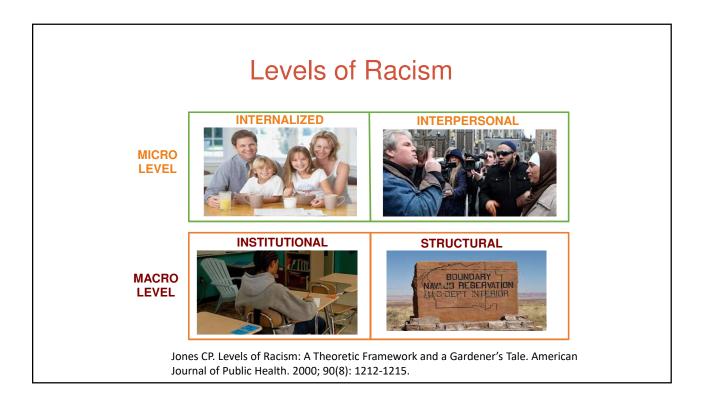
Racism

- A system of structuring opportunity and assigning value based on the social interpretation of how one looks (which is what we call "race") that
 - Unfairly disadvantages some individuals and communities
 - Unfairly advantages other individuals and communities
 - Saps the strength of the whole society through the waste of human resources

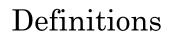
• Race

• A socially constructed way of grouping people, based on skin color and other apparent physical differences, which has no genetic or scientific basis.

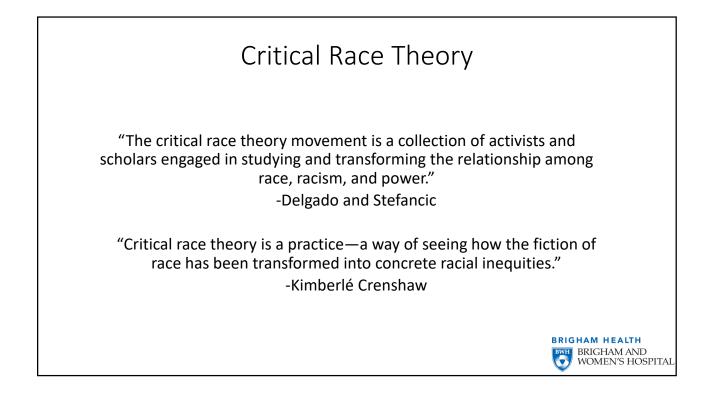
Jones CP. Levels of Racism: A Theoretic Framework and a Gardener's Tale. American Journal of Public Health. 2000; 90(8): 1212-1215.

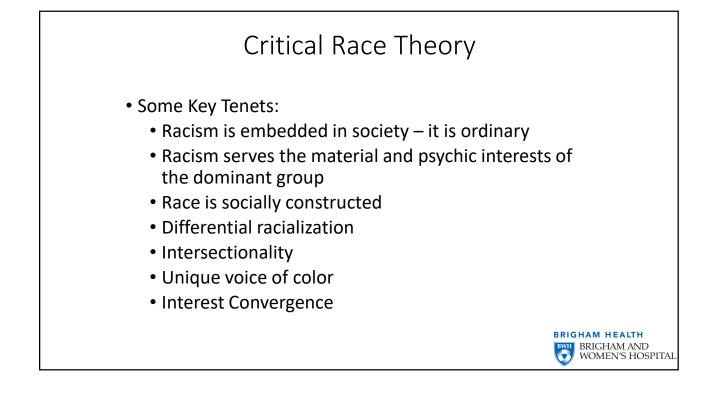


Definitions Internalized Racism The set of private beliefs, prejudices, and ideas that individuals have about the superiority of Whites and the inferiority of people of color. Among people of color, it manifests as internalized racial oppression. Among Whites, it manifests as internalized racial superiority. Interpersonal Racism The expression of racism between individuals. These are interactions occurring between individuals that often take place in the form of harassing, racial slurs, or telling of racial jokes.



- Institutional Racism
 - Discriminatory treatment, unfair policies and practices, and inequitable opportunities and impacts within organizations and institutions, based on race.
- Structural Racism
 - Racial bias across institutions and society over time. It's the cumulative and compounded effects of an array of factors such as public policies, institutional practices, cultural representations, and other norms that work in various, often reinforcing, ways to perpetuate racial inequity.

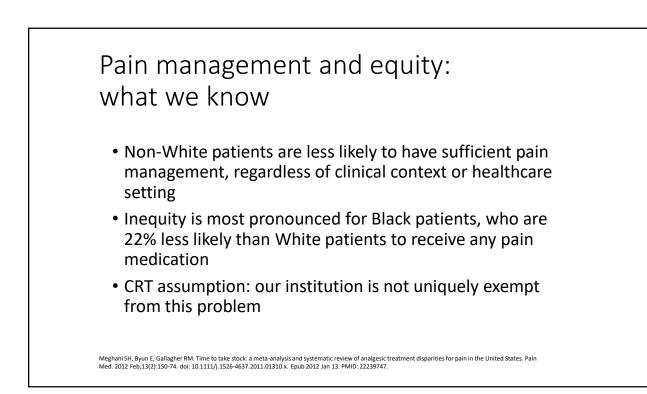


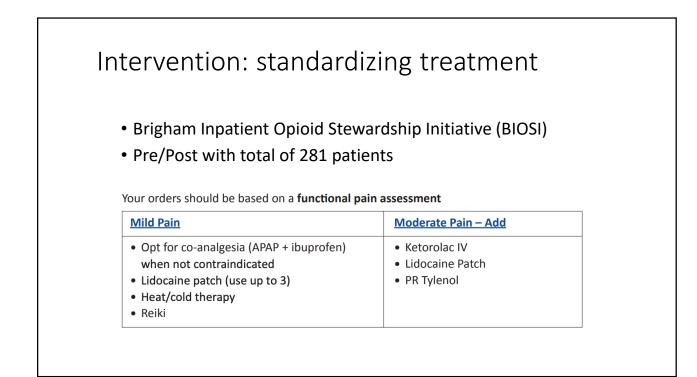


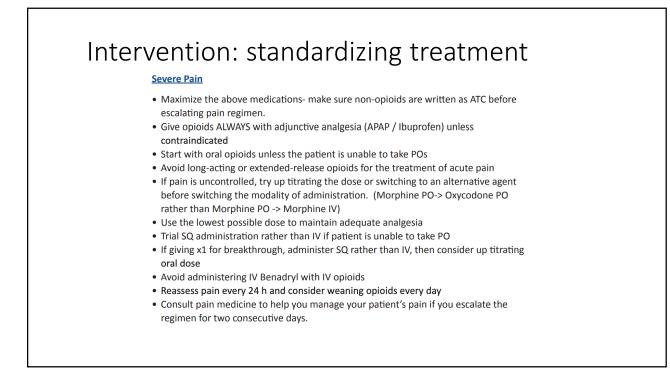
Focus	Affiliated Principles
Focus 1: Contemporary Racialization	Primacy of racism – racism is a dominant social force in society
	Race as social construct – phenotypic characteristics have meaning because of socio-political, not biological, factors
	Ordinariness of racism – racism exists in all facets of everyday life, even if not perceived
	$\label{eq:structural} Structural determinism \mbox{-systems of power preserve the interests of dominant group members}$
Focus 2: Knowledge Production	Social construction of knowledge – study findings reflect research-related biases (eg, a priori assumptions)
	Critical approaches - to challenge initial understandings, "question the question" and perform self-critiques
	Voice - to privilege the perspectives of marginalized communities
Focus 3: Conceptualization & Measurement	Race as social construct – socio-political factors give meaning to phenotypic characteristics
	Intersectionality - oppressive social forces produce interlocking effects and social identities
Focus 4: Action	Critical approaches – to challenge initial understandings, questioning the questioner and perform self-critiques
	Disciplinary self-critique - collective assessment by members of a discipline of unintended racial influence on assumptions, methods, etc.
	Intersectionality - oppressive social forces produce interlocking effects and social identities
	Voice - to privilege the perspectives of marginalized communities
	wa C. Just What is Critical race theory and What's it doing BRIGHAN ke Public health? <i>Ethn Dis.</i> 2018; 28 (Suppl 1): 223-230.

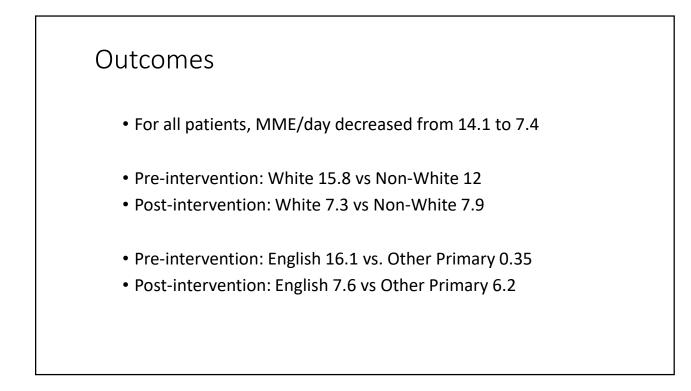
Goals: 1) Utilize PHCRP to become an "outsider within," able to readily identify racial biases in the work and unearth discoveries from marginalized perspectives. 2) Build a body of knowledge that can challenge existing policy and practice.

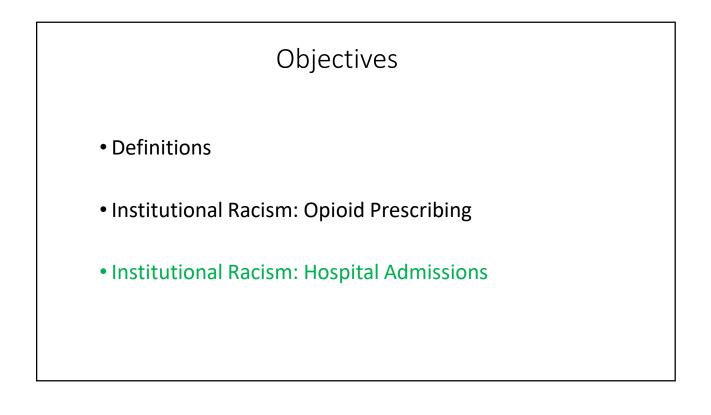


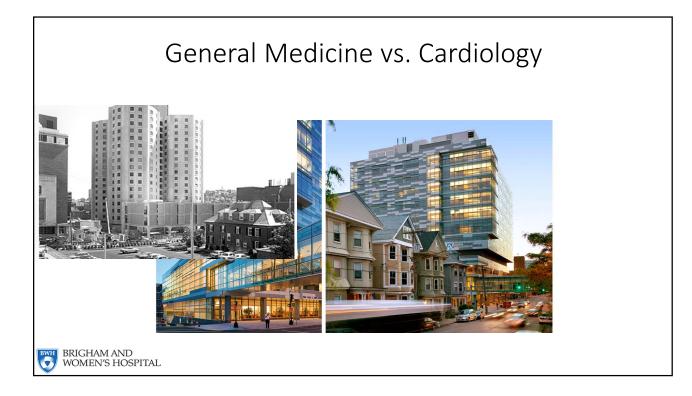










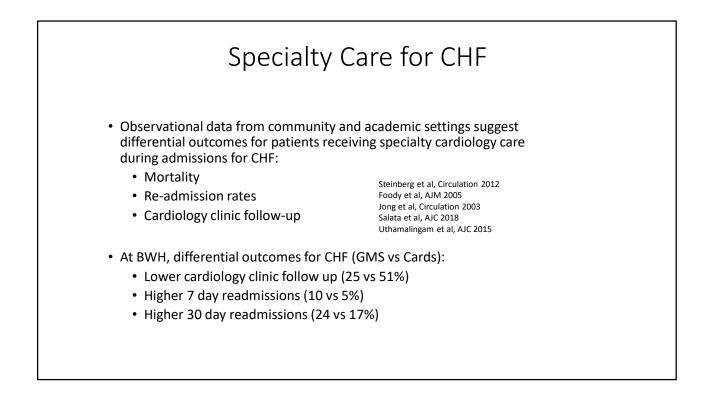


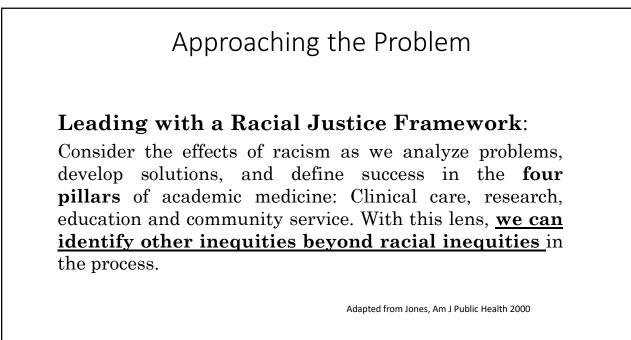
Context: Specialty Care for CHF

- Patients admitted to the Shapiro Cardiovascular Center receive:
 - Specialty-trained nursing
 - Single rooms
 - Larger, more comfortable rooms
 - Spacious family zones
 - Increased natural light
 - Specialty pharmacy and discharge planning
- And yet, specialty cardiology care in Shapiro remains a limited resource (~2/3 CHF patients admitted here)







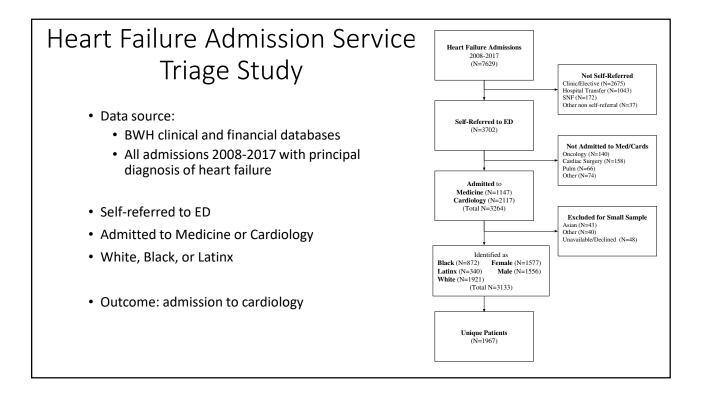


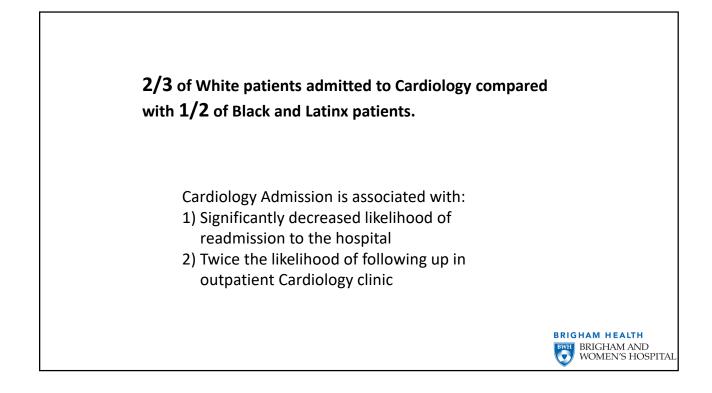
BRIGHAM AND WOMEN'S HOSPITAL **Circulation: Heart Failure**

ORIGINAL ARTICLE

Identification of Racial Inequities in Access to Specialized Inpatient Heart Failure Care at an Academic Medical Center

"This study was guided by Public Health Critical Race Praxis, an approach utilized by researchers to study and ameliorate instances of structural racism and resultant health inequities and developed out of the legal framework of Critical Race Theory. We considered race to be a social construct that captures the impacts of racism rather than innate biological differences and, therefore, hypothesized that differences in HF outcomes were due to structural drivers rather than biological causes."

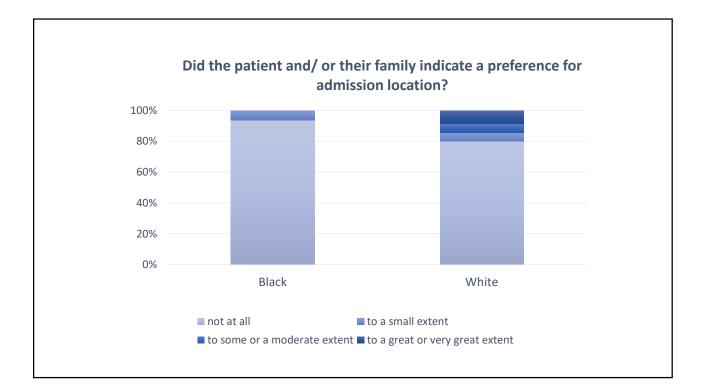


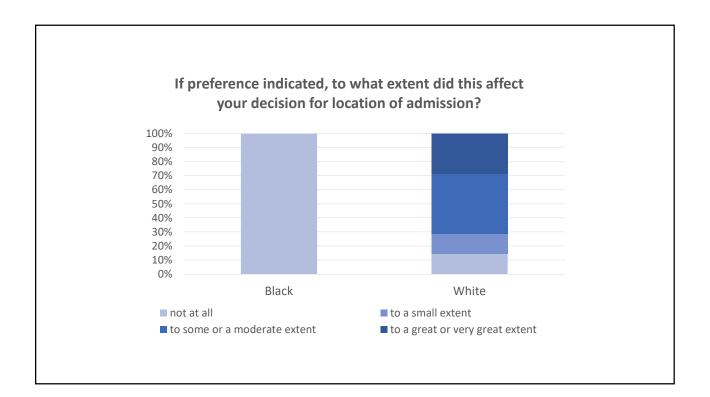


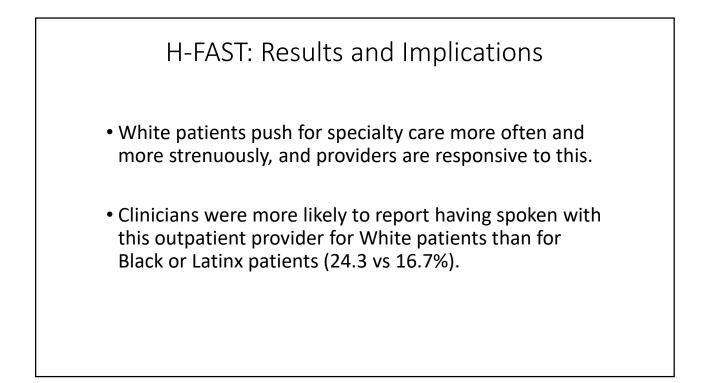
able 2. Multivariable GEI dmitted With a Principal [E Analysis* Showing Fact Diagnosis of HF After Sel		ed With Adn				
ospital From 2008 to 2017		mplete Case A	nalysis		Multi	oly Imputed Analy	sis
Characteristic	Adjusted RR	95% CI	P Valu	e Ad	ljusted RR	95% CI	P Value
Race							
White	ref				ref		
Black	0.91	0.84-0.98	0.019		0.91	0.84-0.98	0.015
Latinx	0.83	0.72-0.97	0.017		0.84	0.73-0.96	0.012
Latinx	0.83 Table 3. Rate R Propensity-Matc	atios for Admiss			0.84	0.73-0.96	0.012
		Admission to Cardiology	95% CI	P Value			
	Black vs white	0.74	0.63-0.87	0.0001	_		
	Latinx vs white	0.75	0.60-0.95	0.014	_		
		0.86	0.77-0.96	0.0055			

	Hazard Ratio	95% CI
Admission to Cardiology	0.84	0.72, 0.97
Age		
<50	ref	
50-75	0.61	0.49, 0.76
>75	0.54	0.43, 0.69
Seen in institutional cardiology clinic in ast year	1.27	1.09, 1.49
Seen by institutional PCP in last year	1.17	1.01, 1.36
HFpEF	0.81	0.70, 0.94
Comorbidity		
Valvular Disease	1.24	1.07, 1.44
Chronic Kidney Disease	1.36	1.15, 1.60











Healing ARC: reparative justice in response to institutional racism

- *1) Acknowledgement* is when the institution voices ownership and responsibility for inequities to the communities impacted
- 2) *Redress* requires a compensatory step in addressing patients and communities harmed by institutional racism
- *3)Closure* will explore community oversight as a means of ensuring fair restitution for inequities