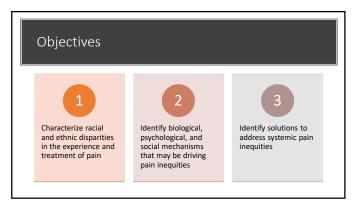
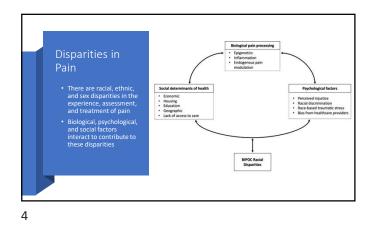


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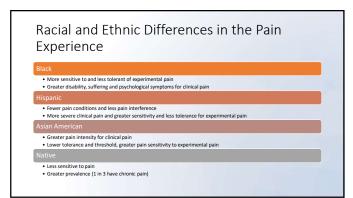
# Terminology

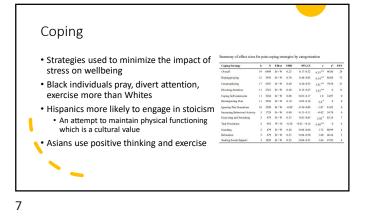
Non-Hispanic Black, African Americans, Black

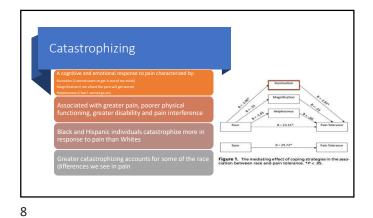
Non-Hispanic White, White, Caucasian

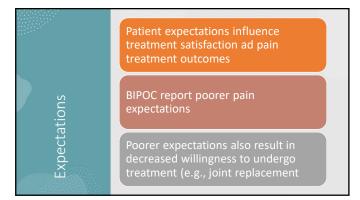
Hispanic, Latino, Latinx

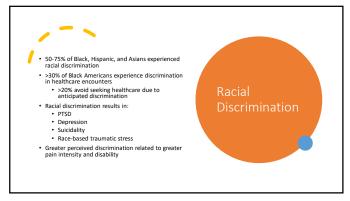
Natives, Native American, Alaska Native

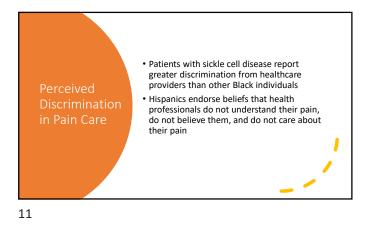


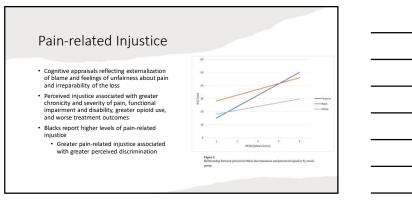




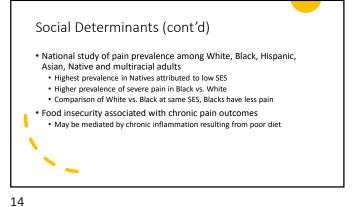






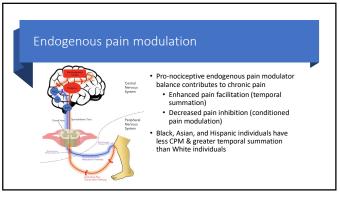


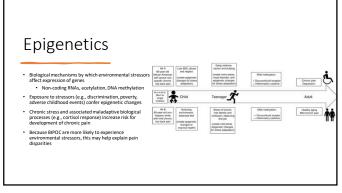




# Inflammation

- Food insecurity and poor diet is associated with oxidative stress and systemic inflammation
- BIPOC more likely to be food insecure and have a poor diet
- BIPOC have greater systemic pro-inflammatory cytokines
- Pro-inflammatory cytokine profile associated with hyperalgesia and increased pain sensitivity
- Pro-inflammatory cytokines are elevated in people with chronic pain





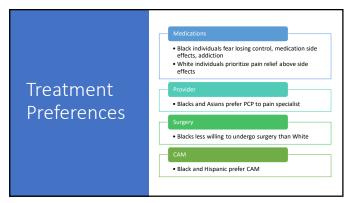
	Minority patients:		
	Rated as having less severe pain		
Racial and Ethnic	<ul> <li>Less likely to receive comprehensive diagnostic and treatment approaches</li> </ul>		
Disparities in	<ul> <li>Receive less analgesic medication</li> </ul>		
Pain Treatment	<ul> <li>More likely to have their pain underestimated by providers</li> </ul>		
freatment	<ul> <li>Less likely to receive opioids as part o their pain management regimen</li> </ul>		
	<ul> <li>Receive less aggressive pain treatment</li> </ul>		

## Access to care

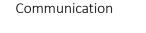
- In 2017, 94% of White, 90% of Black, 84% of Hispanic Americans had healthcare coverage
- Government-issued health insurance highest among Black and Hispanic
- Healthcare outcomes best in private, teaching, high-volume healthcare settings, places where BIPOC are disproportionately underserved
   Urban hospitals have 19% BIPOC population, safety net >40% BIPOC
- 8% of White, 16% of Black, 22% of Hispanic patients report difficulty accessing specialty care
- Opioid medications are limited in pharmacies within minority communities

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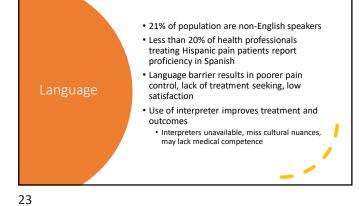


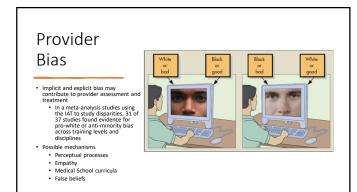


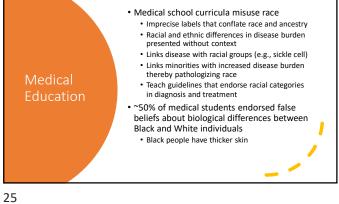
- Communication styles differ culturally
  - Go off topic
  - Lack of use of medical terminologyVague descriptors (e.g., ache)
  - Use of favorite or sacred number on NRS
- Low health literacy among racial and ethnic minorities
- Low health literacy associated with higher pain intensity

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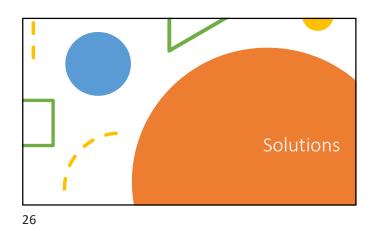
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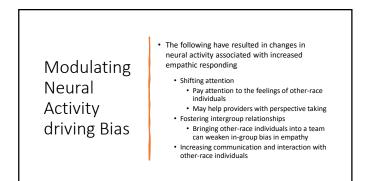


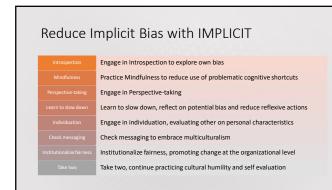








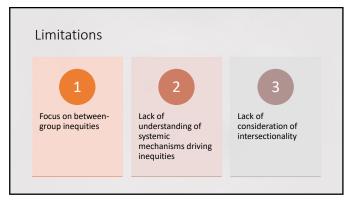




## Solutions

- · Include anti-racism training in medical school curricula
- · Capitalize on perspective-taking interventions
- Practice multicultural humility · Identify patient values and meet them where they are
- Reduce cognitive load to reduce reliance on cognitive shortcuts
- Effective questioning, expression of empathy and concern, and shared decision-making result in greater adherence, engagement in self-management, and satisfaction with care Diet-based intervention can reduce pain severity and oxidative stress in patients with chronic pain
- Increase education about and access to healthy foods
- · Adapt and implement culturally sensitive coping skills training
- Increase diversity in pain research

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#### References

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