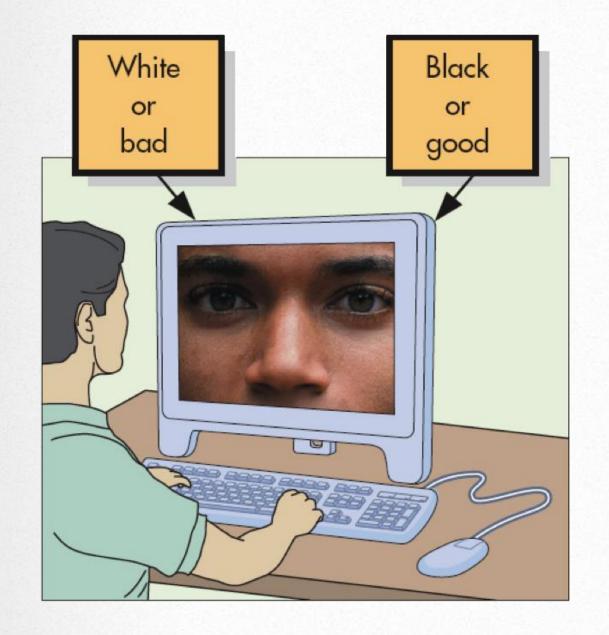
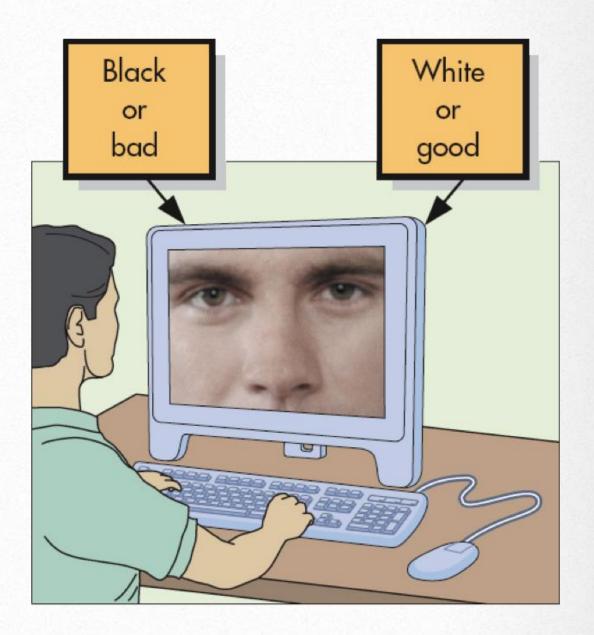




The Shooter Game







The Shooter Game



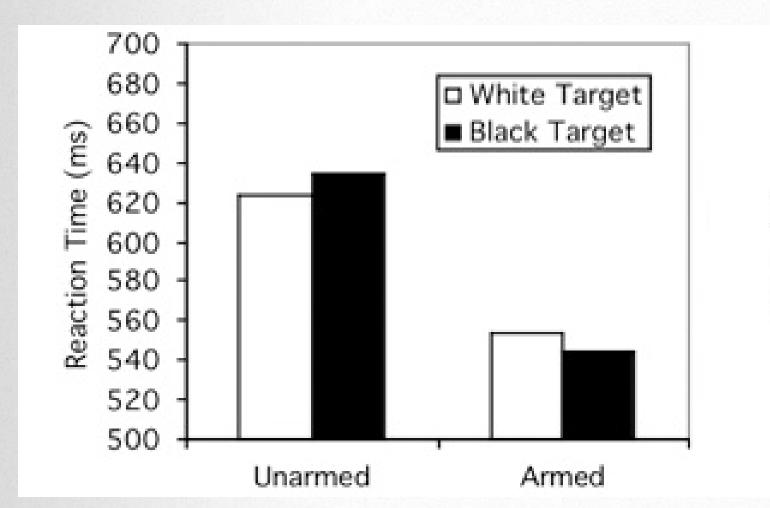


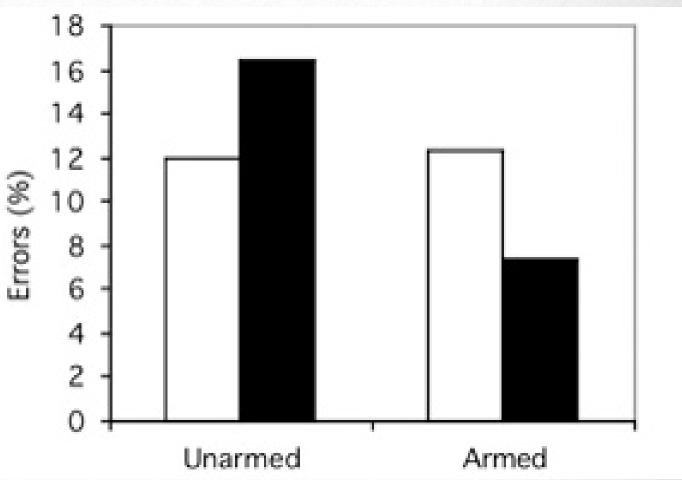






The Shooter Game

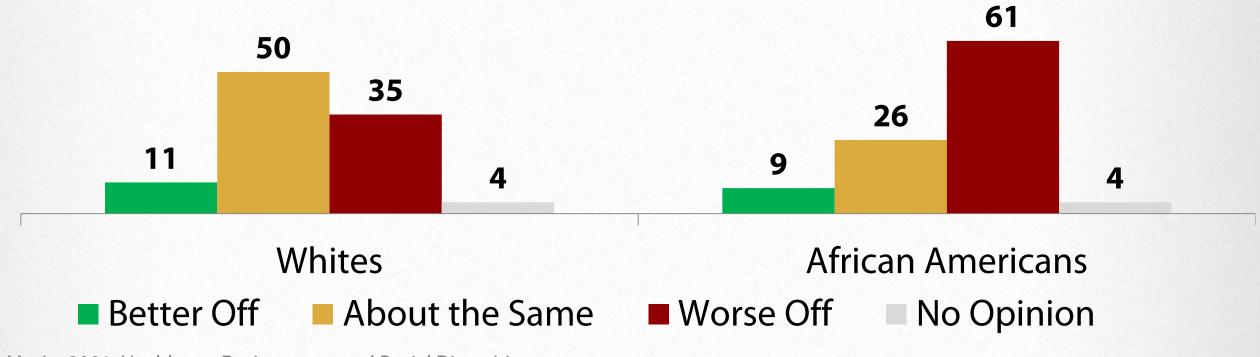






What About Health Care? Any Trends There?

Is the average African American better off...worse off... or about as well off as the average white person in terms of access to health care?



SOURCE: Morin, 2001: Healthcare Environment and Racial Disparities



Black and White Differences In Speciality Procedure Utilization Among Medicare Beneficiaries >65

PROCESS	BLACK	WHITE	BLACK-TO- WHITE RATIO
Angioplasty (procedures per 1,000 beneficiaries per year)	2.5	5.4	0.46
Coronary Artery Bypass Graft Surgery (procedures per 1,000 beneficiaries per year)	1.9	4.8	0.40
Mammography (procedures per 100 women per year)	17.1	26.0	0.66
Hip Fracture Repair (procedures per 100 women per year)	2.9	7.0	0.42
Amputation of All or Part of Limb (procedures per 1,000 beneficiaries per year)	6.7	1.9	3.64
Bilateral Orchiectomy (procedures per 1,000 beneficiaries per year)	2.0	0.8	2.45

Source: Gornick et al, 1996



It Doesn't Just Apply To Race...

- Doctors treat patients differently when the patient is overweight
- And patients treat doctors differently if the doctor is overweight



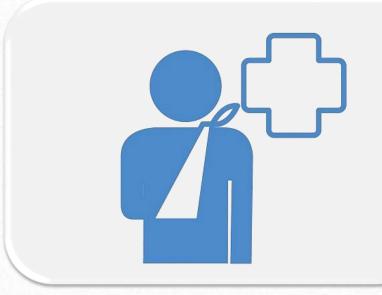


What are Potential Sources Of Disparities In Health Care?



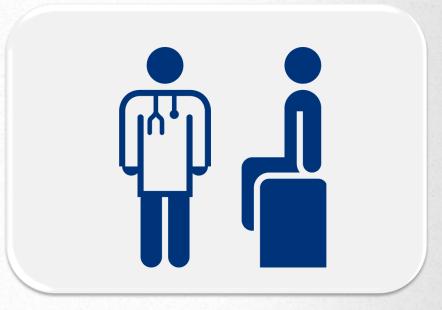
HEALTH SYSTEMS-LEVEL FACTORS

Financing
Structure of Care
Cultural and Linguistic
Barriers



PATIENT-LEVEL FACTORS

Patient Preferences
Refusal of Treatment
Poor Adherence
Biological Differences



CLINICAL ENCOUNTER



What are Potential Sources Of Disparities In Health Care?

Lack of **stable relationships** with **primary care providers** – minority patients even when insured at the same level as whites are more likely to receive care in ER and have less access to private physicians

How could well-meaning and highly educated health professionals working in their usual circumstances with diverse populations **create a pattern of care** that *appears* to be discriminatory

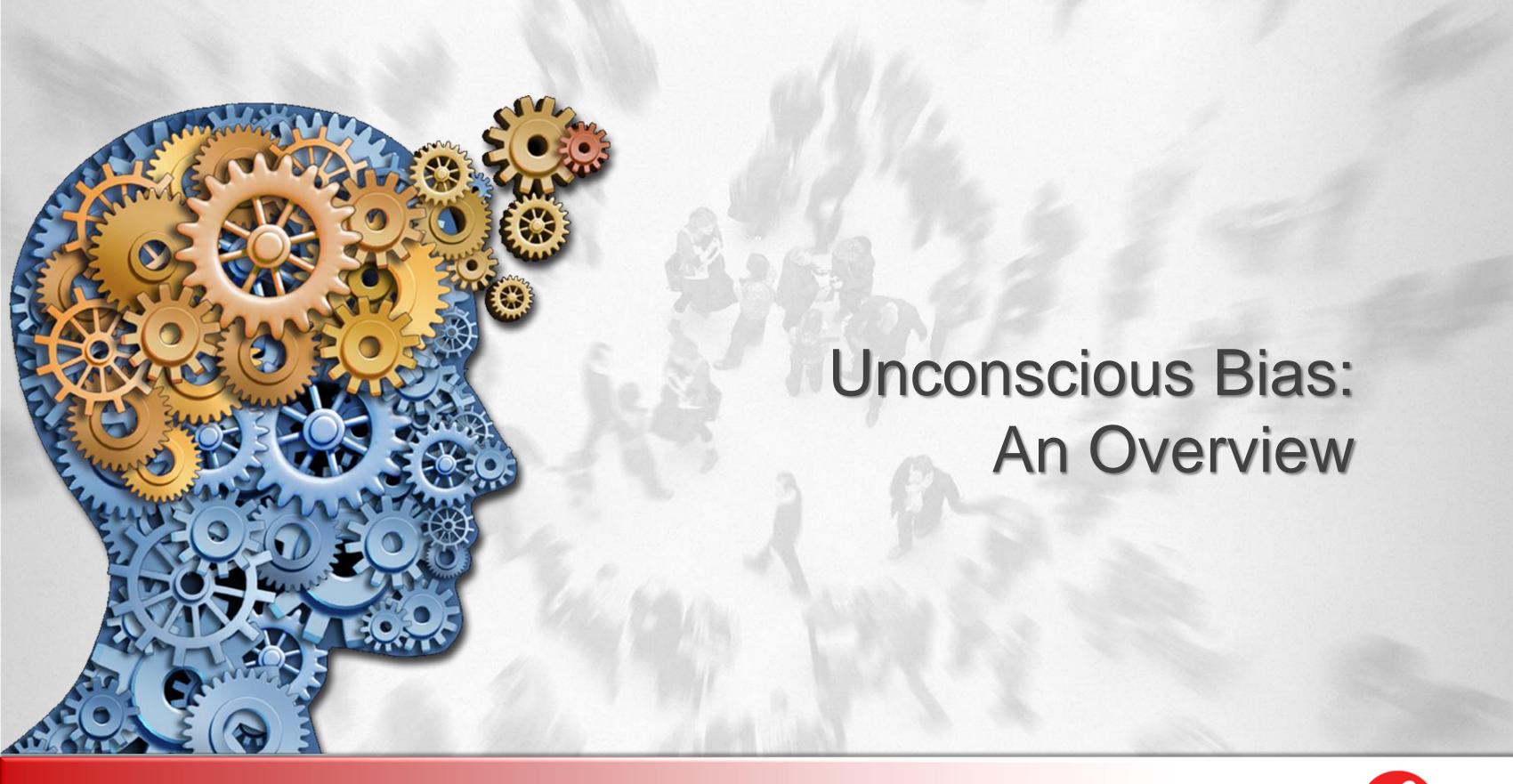


Goals

- What is unconscious bias and why should I care?
- What causes it?
- I am a clinician/leader/citizen what can I do about it?



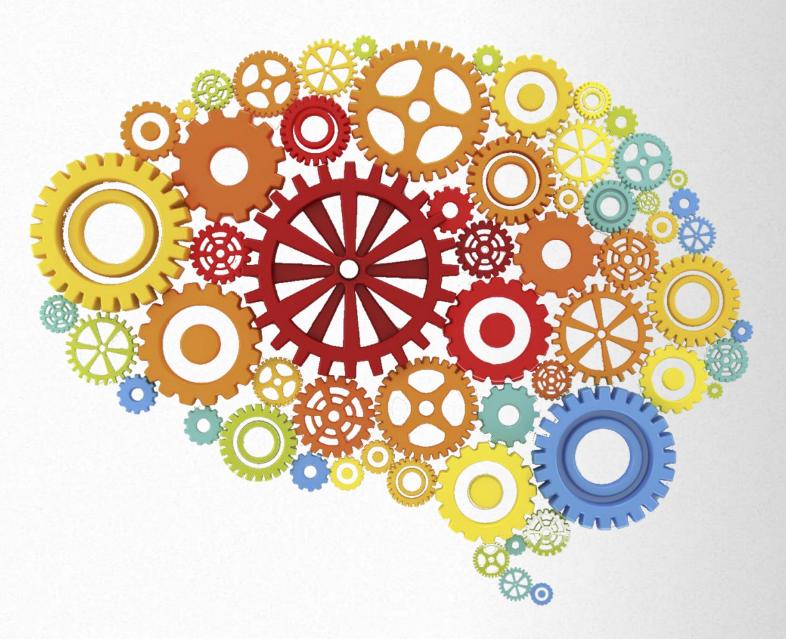






What is Unconscious Bias (UB)?

- Form of rapid cognition that finds patterns based on small bits of information
- Ancient Reflexive system
- Adaptive: Danger detector



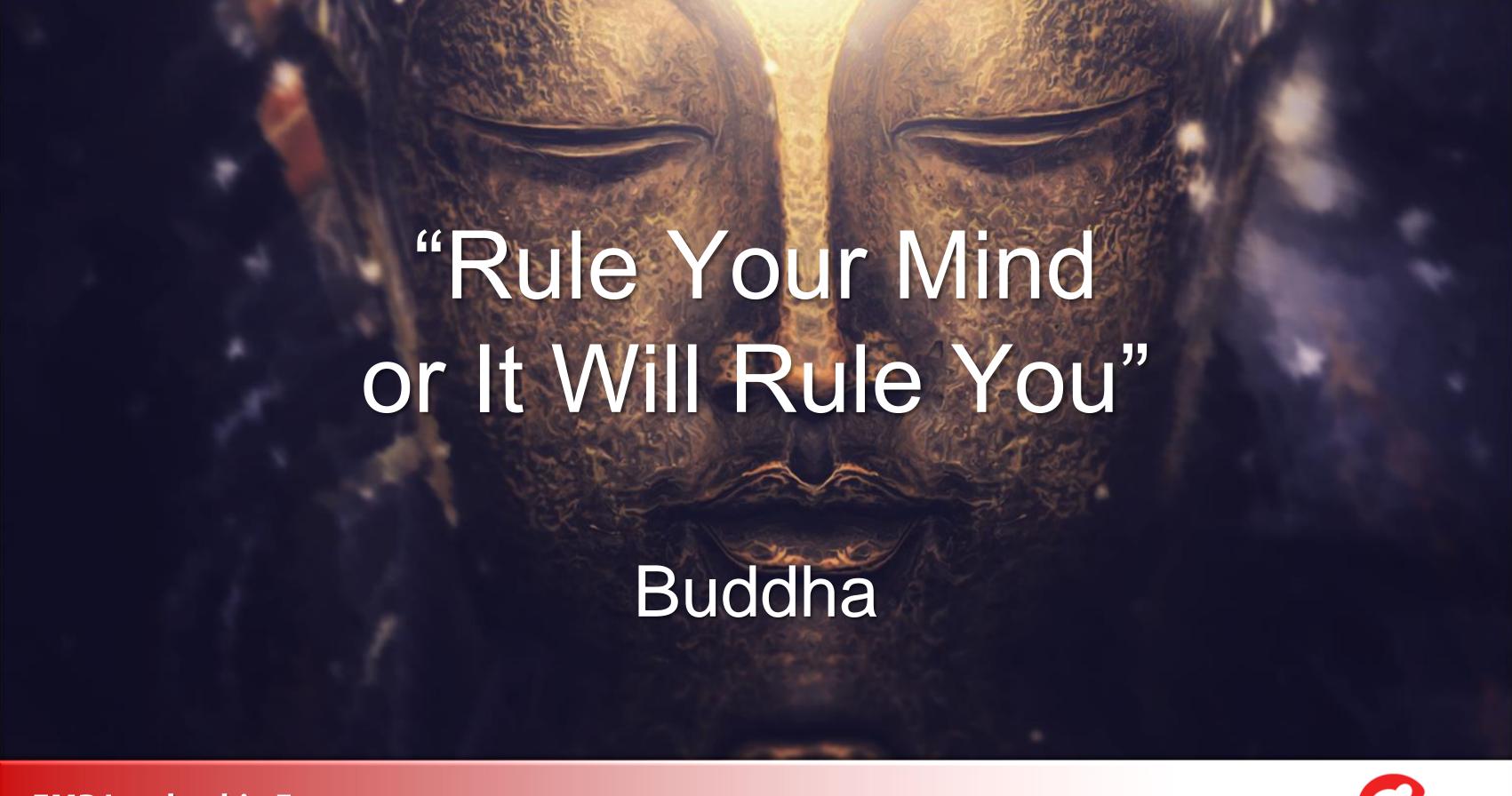


Most Importantly...

- People do this without realizing they are demonstrating bias.
- People don't know they have certain biases.
- Biases occur without knowing why.
- This results in behaviors that are irrational and sometimes even dangerous.



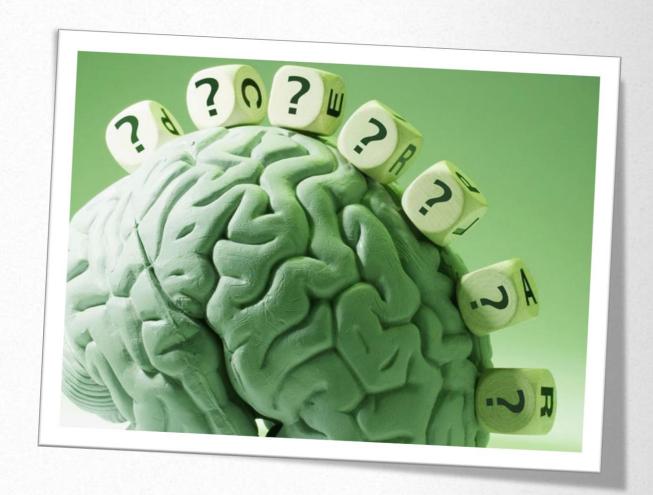






Why?

- 2 11 million pieces of info at one time but can only deal with about 40
- Brain produces 'shortcuts' to what is right, wrong or important
- Evolutionarily adaptive, have served us for eons to protect us
- Biases impact decision-making and serves a purpose
- Not effective when dealing with diverse humans in workplace



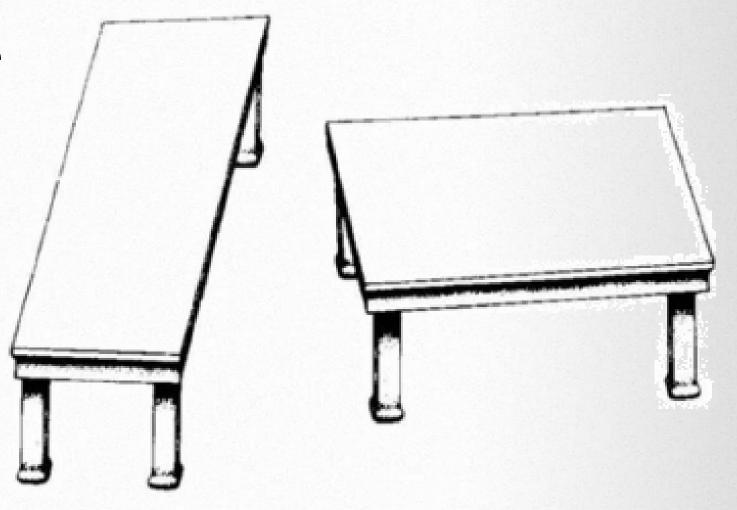






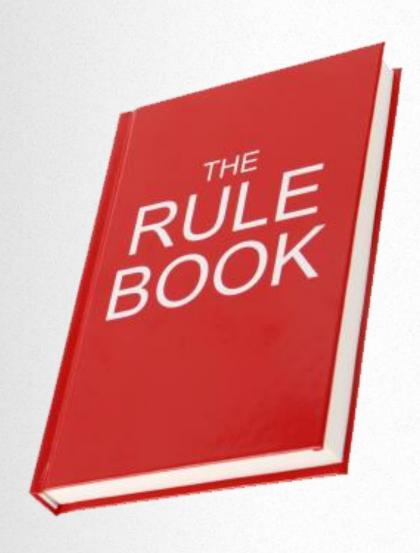
Myth #1: I Don't Have Any Unconscious Bias

- Which is LONGER?
- The brain sees what it wants to see





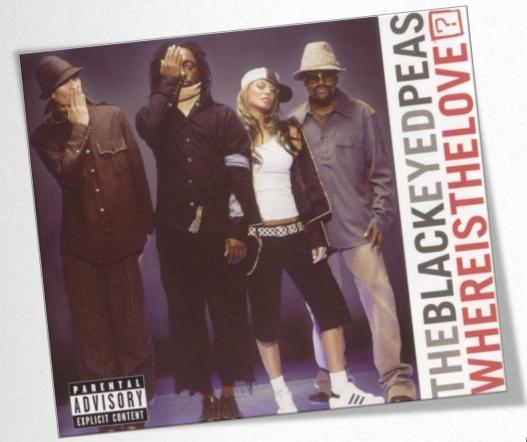
We all Have an Internal "Book Of Rules"



- Ultimately we believe our decision are consistent with our conscious beliefs, when in fact, our unconscious is running the show.
- Not accessible through introspection.
- Measured indirectly but noticed directly.
- Active area of study in employment law, education, and even medicine.



Where Do They Come From?



"Wrong information always shown by the media

Negative images is the main criteria Infecting the young minds faster than bacteria Kids wanna act like when they see the cinema"



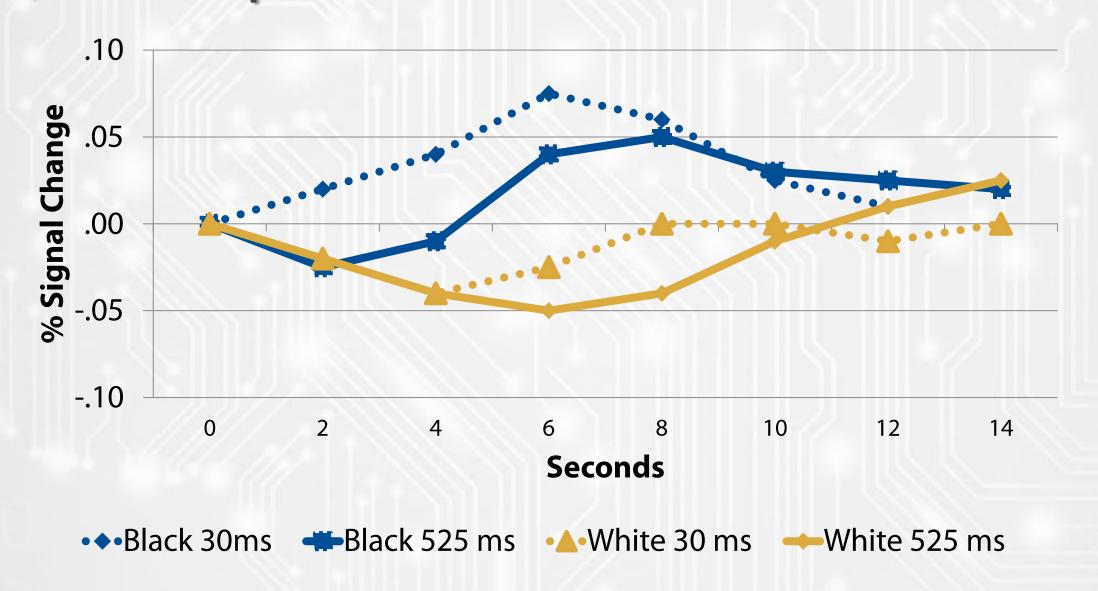
Where Do They Come From?

- Accrued and change passively
- Documented in children as young as 6 years old (the doll test)
- Nature/Nurture: YES.





Conscious vs Unconscious: 687,500x Speed Difference – Brain Wins



Source: Stanley D. Phelps E. Banaj, M. The Neural Basis of Implicit Attitudes, Curr. Dir. Psycholog Sci. 2008; 17(2):164-170



Bias Works Behind The Scenes As We Take In...

Greetings

Non-Verbals & Body Language

Clothes

Body Type / Age

Hairstyle

Other Appearance

Language Fluency / Accents

Parental Status

Name

Alma Mater

Common Interests

Spelling Ability



Can You Make It Out?





The Washington Post

The inside story of the 'white dress, blue dress' drama that divided a planet





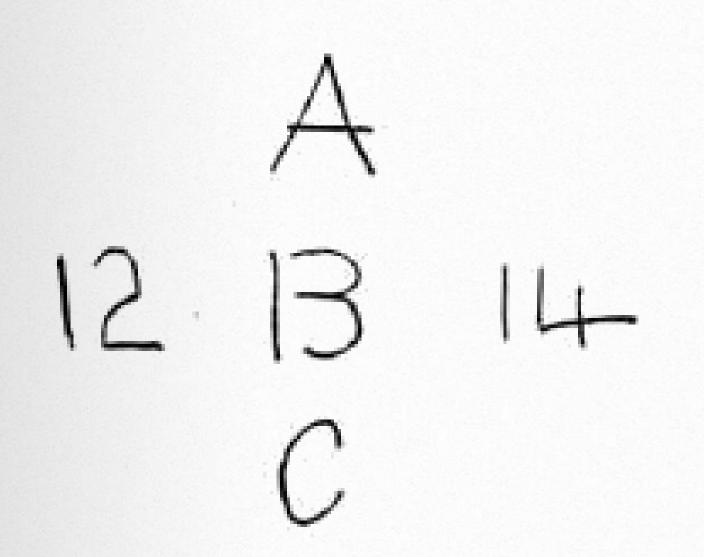
This 'Shiny Legs' Optical Illusion Is Driving The Internet Crazy

Offhoat I Writton by America Kabli I Undated: October 27, 2016, 10:25 ICT





Perceptual Organization



Our minds tend to fill in the blanks depending on the context around it



Our Mind Fills In The Blanks In Other Areas Too

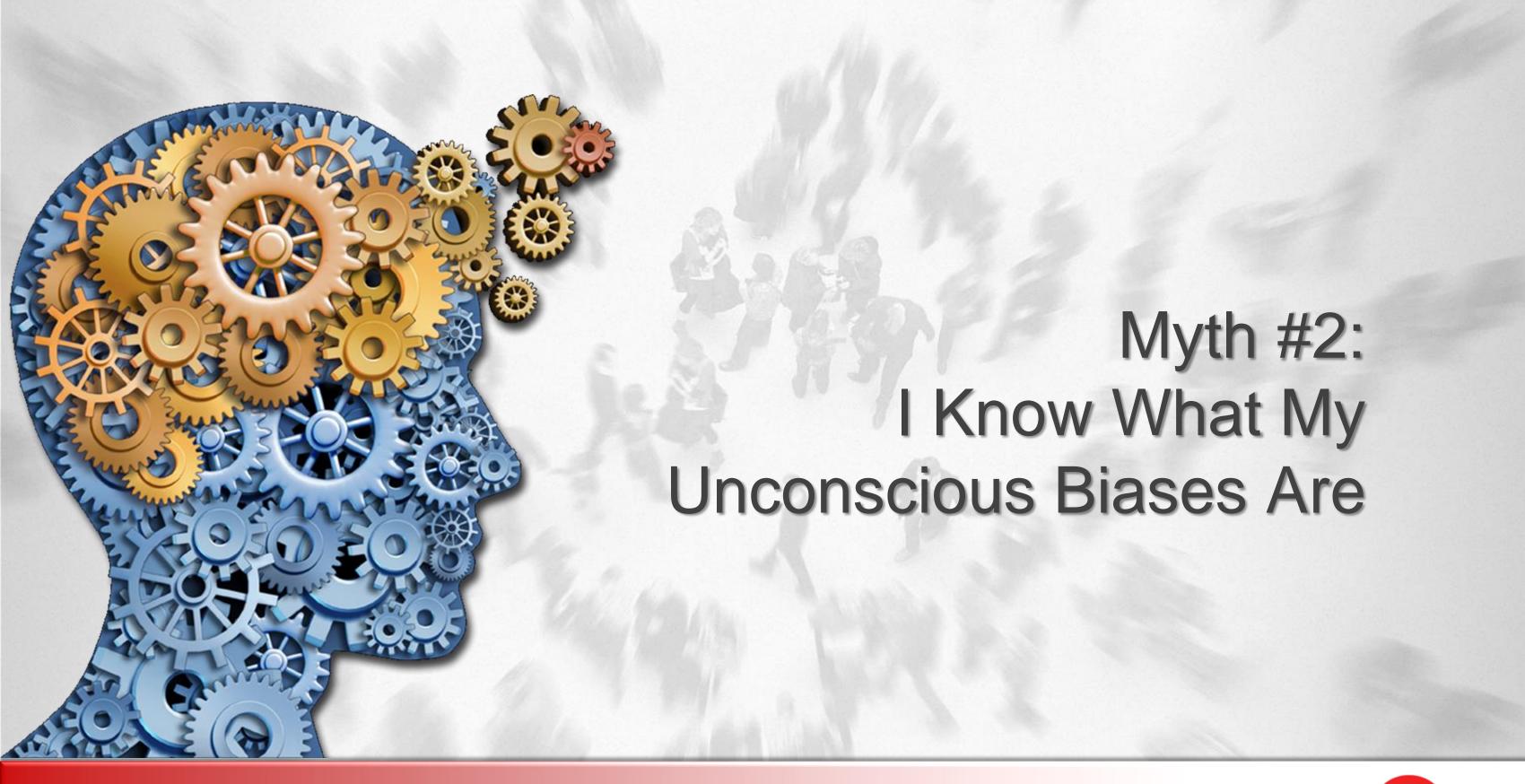
CONFIRMATION BIAS is the tendency for people to selectively search for and consider information that confirms already held beliefs.







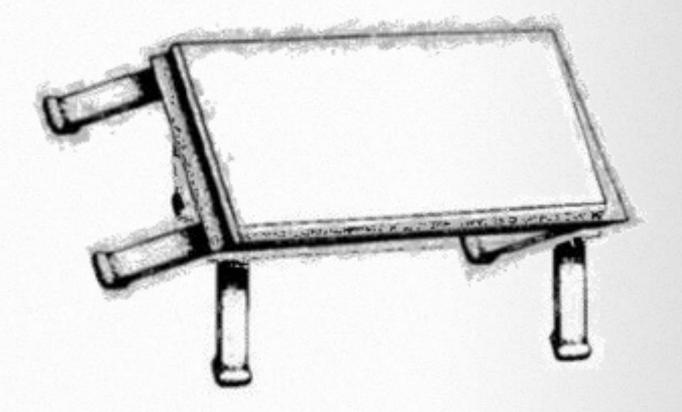






Myth #2: I Know What My Unconscious Biases Are

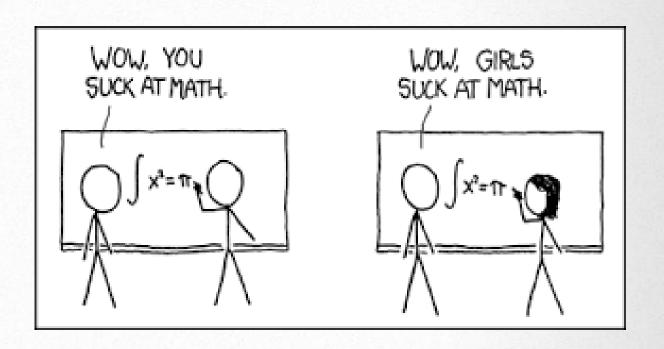
Which is LONGER?





By Definition they are Unconscious!

- May have a sense of some of them but blind to others
- Consider Implicit Association test
 - Designed to detect automatic associations between concepts in memory
- Rather than deny our UB, be curious as to how it came about





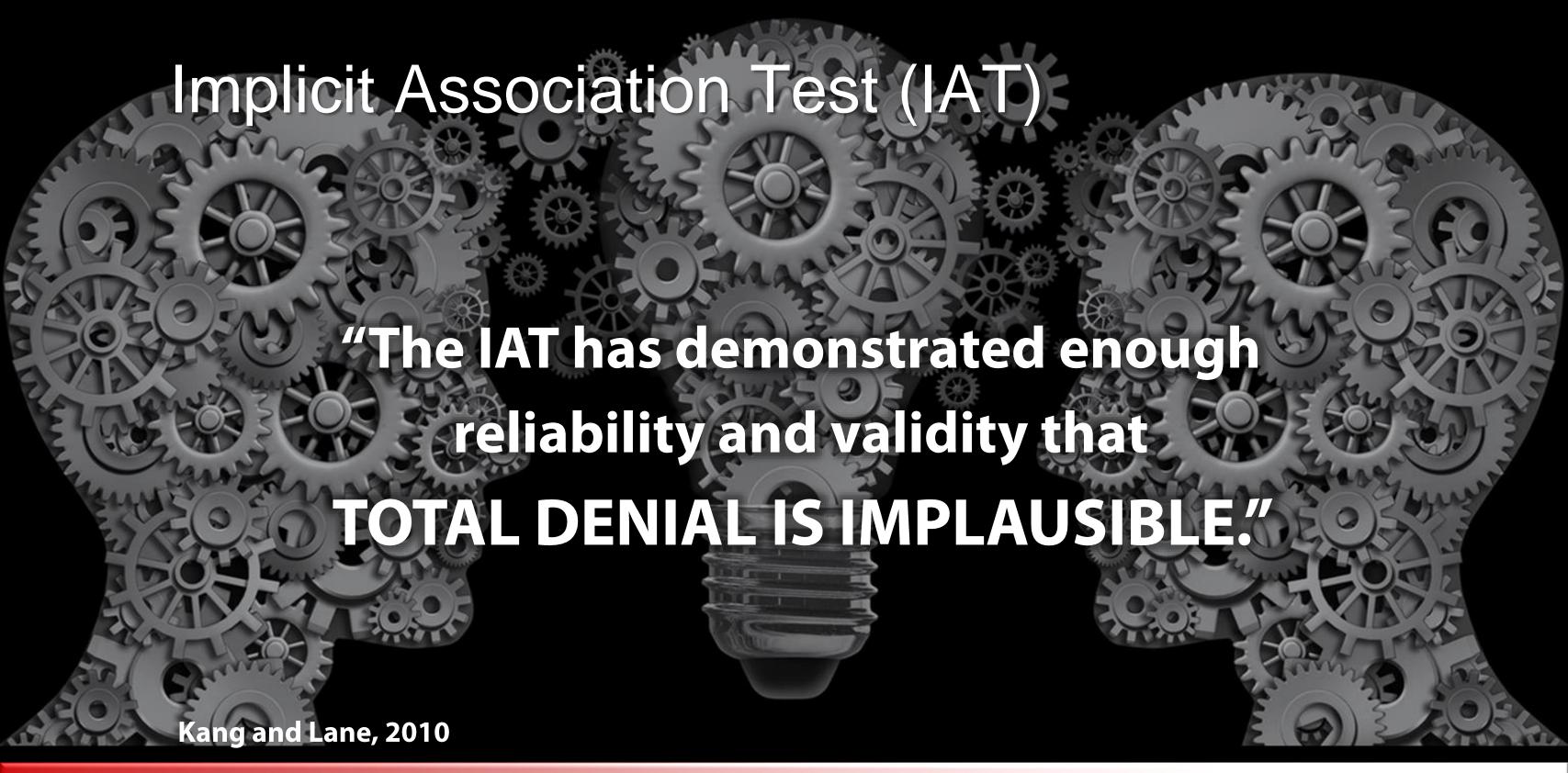
Implicit Association Test (IAT)



- Developed 1998
- Available for bias in age, weight, gender, race, sexual orientation
- About 5 min long

Easily taken at www.projectimplicit.net

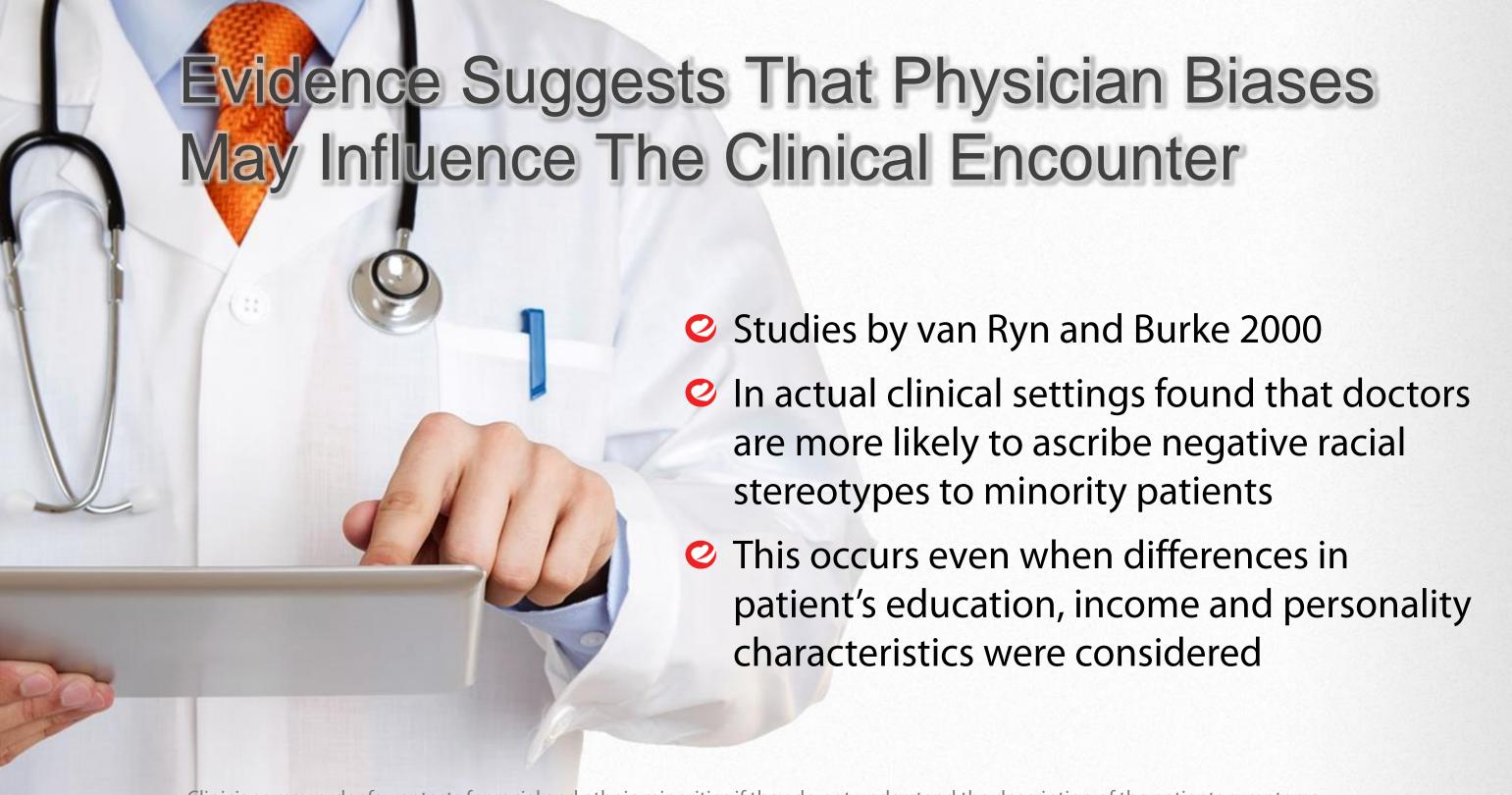






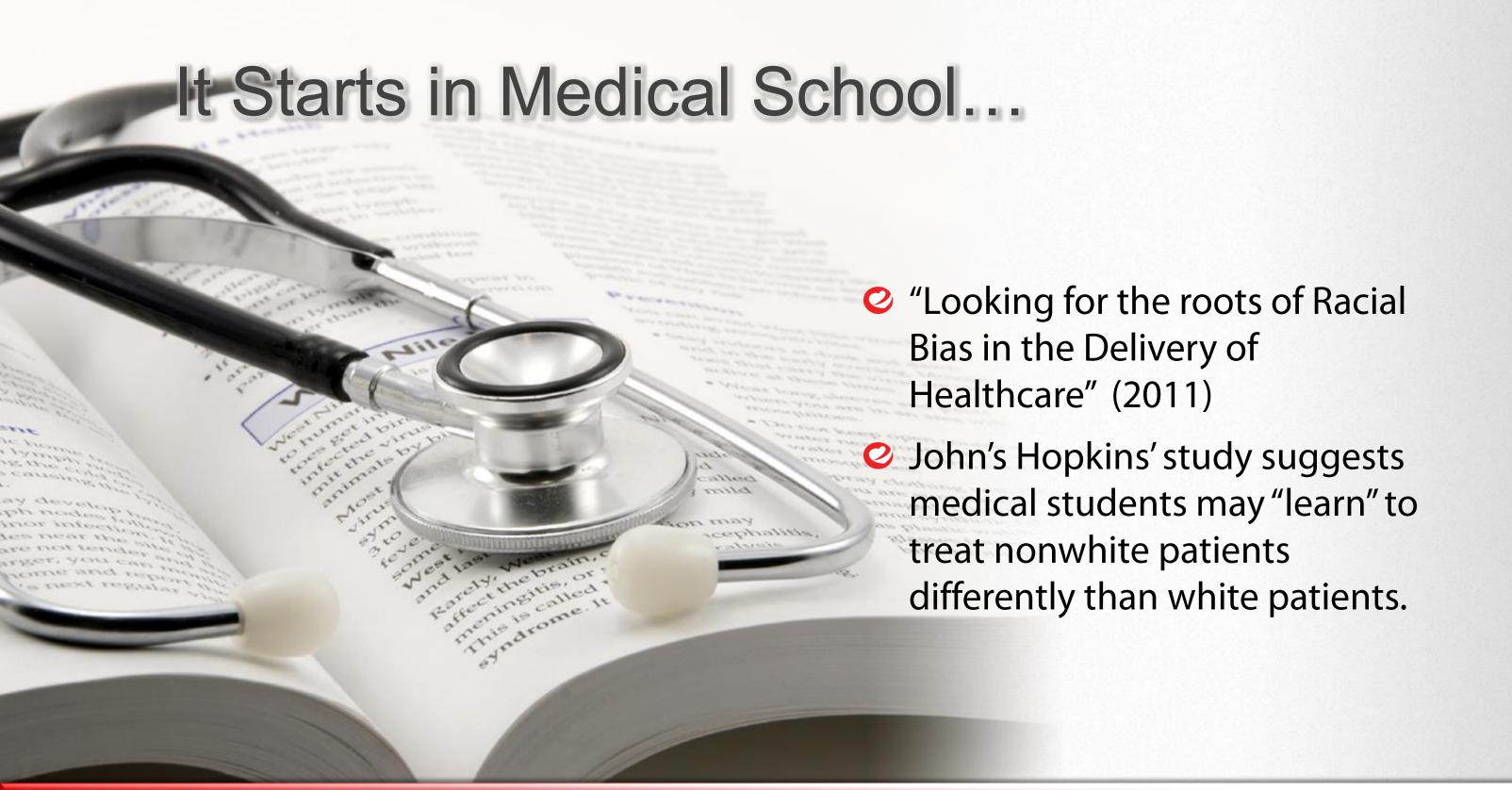
Okay, So What Does This Have To Do With Health Care?





Clinicians may order fewer tests for racial and ethnic minorities if they do not understand the description of the patients symptoms



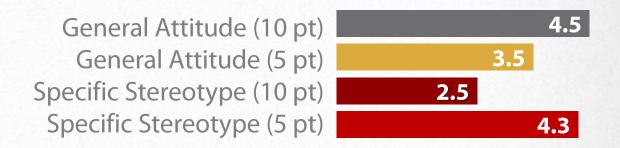




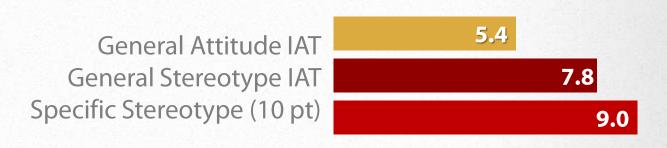
And Residency...

- Reduced likelihood to prescribe thromolytics for African American patients associated with implicit bias.
- Higher likelihood of prescribing thromolytics for African Americans if they were aware of what the study was measuring.

Explicit (Self-Reported) Bias



Implicit (IAT) Bias



2007 survey-based study; 28% response rate

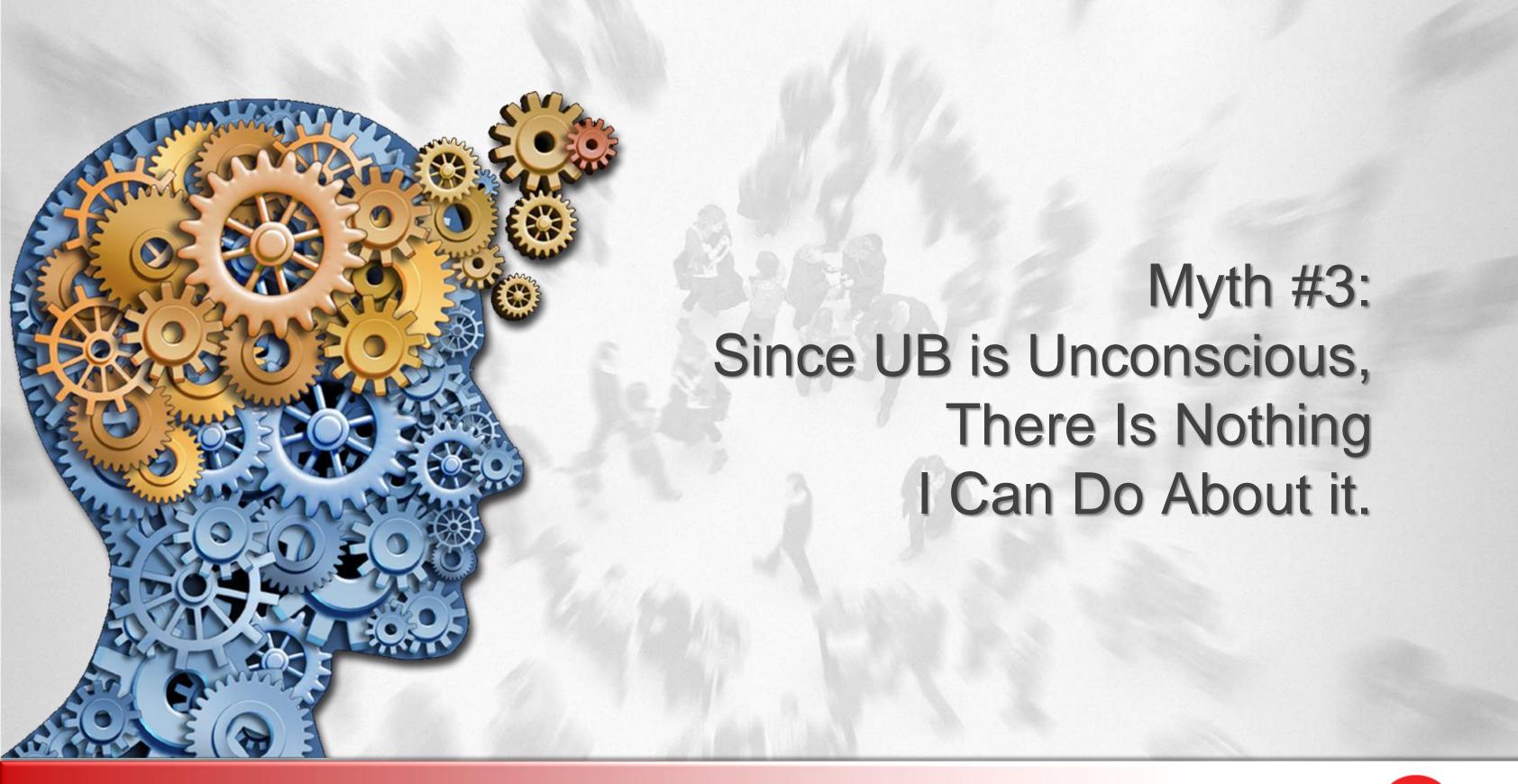


Can Your Gender Or Race AFFECT YOUR HEART?

When presented with same primary symptoms, physicians sent far **more white men for cardiac cath** than either white women or men and women of color.

The Effect of Race and Sex on Physicians' Recommendations for Cardiac Catheterization"(1999) New England Journal of Medicine published study out of Duke University







Advice from Experts

"Own the fact that you're not exceptional. You are in this sweet spot of judges, lawyers, police, all of whom have bias. If you care, it would make sense to find out."

Jerry Kang, JD, Professor of Law, UCLA April 15, 2014

"Don't present this as scary. This behavior is malleable and contextually sensitive."

Irene Blair, PhD, Associate Professor, Psychology and Neuroscience, University of Colorado April 11, 2014



Things We Can Do

MEASURE

Implicit Association Test (Encourage...don't mandate)

REFRAME

From: Discrimination, protected Class

To Fair Treatment, Respect

QUESTION

Illusion of Objectivity

CREATE

"Tell Me More" Culture

INCLUDE

Instruction in social psychology and prejudice



Apply the P.A.U.S.E. Technique for Results

- Pay attention to what's actually happening beneath the judgments and assessments
- Acknowledge your own reactions, interpretations, and judgments
- Understand the reactions, interpretations and judgments that may be possible
- Search for the most empowering and productive way to deal with the situation
- Execute your action plan



The Bottom Line: Bias is Natural And Will Always Be Present.

- It doesn't make us prejudiced, it makes us human.
- However it is a fact, not an excuse.
- Recognition first step and then can respond and shift.
- Medical disparity gaps Patient Care.

Other resources: http://www.stop-disparities.org/RESOURCES.html





