# The Buffering Effect of Family Resilience on Adverse Childhood Experiences (ACEs): Examining the Role of Race and Culture on Traumatic Stress

March 12<sup>th</sup>, 2020 Community-Based Child Abuse Prevention Grantee Meeting



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# **Our Goal for Today:**

Create a space to have a conversation, guided by evidence, about how race and racism intersects with ACEs, family resilience, and health.

Focus on White and African-American families now, Latinx and American Indian/Alaska Native families during breakout session

# **Outline**

- 1. What does ACE exposure and family resilience have to do with health equity?
- 2. Are there racial disparities in ACE exposure in the US? Does family resilience buffer the effects of ACEs on children's health?
- 3. What's going on? What theoretical frameworks help us understand how ACEs and family resilience intersect with race?
- 4. What are the implications for policy and practice?

# Keep in Mind

- 1. Group averages vs. individual experiences
- 2. Evidence-based practice must include: evidence, clinical expertise, and client preferences
- 3. Confronting racism and oppression can be challenging personally and professionally

# **Self-Reflection**

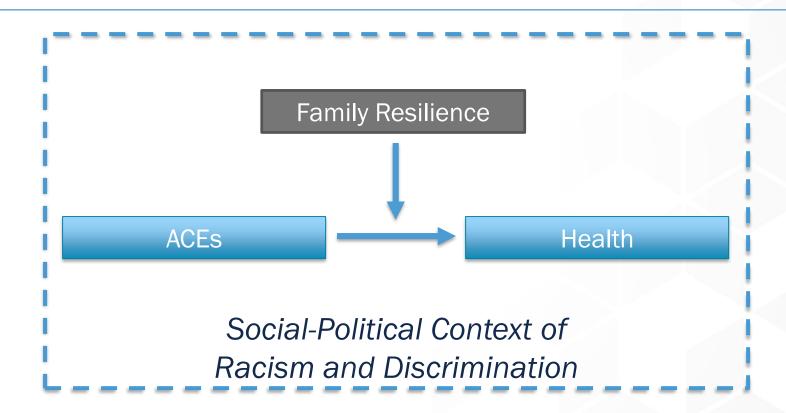
- 1. Limits of your speakers and this presentation
- 2. What are your assumptions regarding ACEs among various race/ethnic groups?

Which race/ethnic group is most likely to experience each ACE?.....how large is the disparity?......why?

Child poverty
Parental incarceration
Parental drug/alcohol abuse



# **Conceptual Framework**



# **Outline**

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#### **Clarifying Concepts - SDoH**

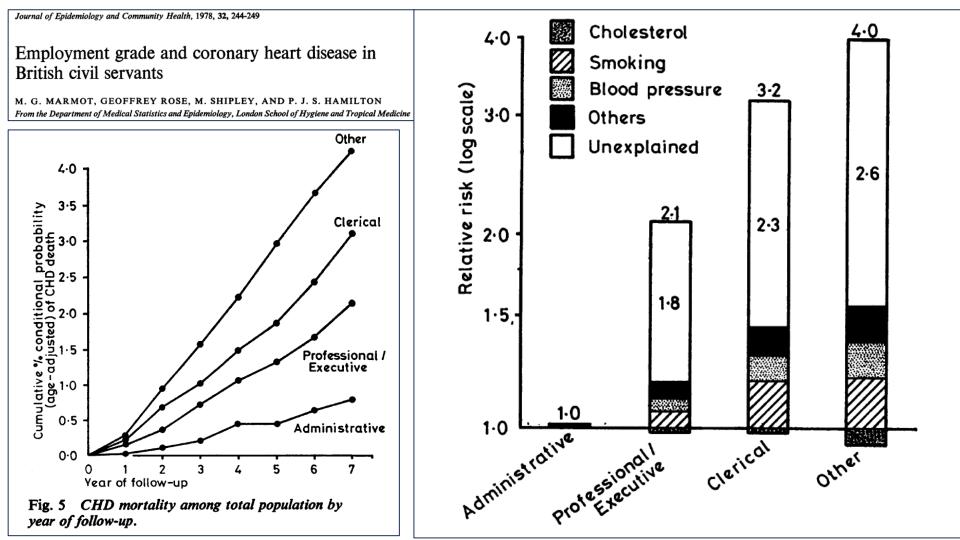
#### Social Determinant of Health (SDoH)

• "Conditions in the places where people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks."

Figure 39–1. Five-domain Model of Social Determinants of Health







# What is health equity?

"Health equity means that everyone has a fair and just opportunity to be healthier. This requires <u>removing obstacles</u> to health such as poverty, discrimination, and their consequences, including powerlessness and lack of access to good jobs with fair pay, quality education and housing, safe environments, and health care."

# What is the difference between equity and disparity?

Health equity is the <u>ethical and human rights principle</u> that motivates us to eliminate health disparities; health disparities—worse health in excluded or marginalized groups—are <u>how we measure progress</u> toward health equity.



## **Disparities, Disproportionality, and Differences**

"Not all health <u>differences</u> are health <u>disparities</u>." (Braveman, 2014)

## **Health Disparity:**

- Preventable differences in the burden of disease, injury, violence, or opportunities to achieve optimal health that are experienced by socially disadvantaged populations. (CDC)
- A particular type of health difference that is closely linked with social, economic, and/or environmental disadvantage (Healthy People 2020)



Emotional



Mother treated violently



**Incarcerated Relative** 

# The CDC-Kaiser ACE Study



Physical



Mental Illness



**Emotional** 



Divorce



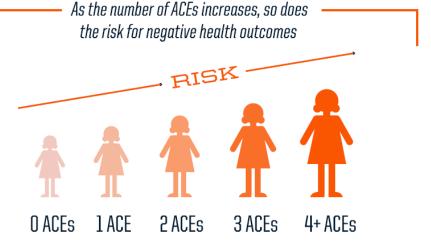
Sexual



Physical



Substance Abuse



# Life course health consequences and associated annual costs of adverse childhood experiences across Europe and North America: a systematic review and meta-analysis



Mark A Bellis, Karen Hughes, Kat Ford, Gabriela Ramos Rodriguez, Dinesh Sethi, Jonathon Passmore



#### Summary

Background An increasing number of studies are identifying associations between adverse childhood experiences (ACEs) and ill health throughout the life course. We aimed to calculate the proportions of major risk factors for and causes of ill health that are attributable to one or multiple types of ACE and the associated financial costs.

Lancet Public Health 2019
Published Online
September 3, 2019

Total annual costs attributable to ACEs were estimated to be US\$581 billion in Europe and \$748 billion in north America. More than 75% of these costs arose in individuals with two or more ACEs.

Interpretation Millions of adults across Europe and north America live with a legacy of ACEs. Our findings suggest that a 10% reduction in ACE prevalence could equate to annual savings of 3 million DALYs or \$105 billion. Programmes to prevent ACEs and moderate their effects are available. Rebalancing expenditure towards ensuring safe and nurturing childhoods would be economically beneficial and relieve pressures on health-care systems.

10% reduction in ACEs = savings of \$105,000,000,000/year

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# Current National Data Source for ACEs

1. NCANDS (National Child Abuse and Neglect Data System)

2. BRFSS (Behavioral Risk Factor Surveillance System, 2014)

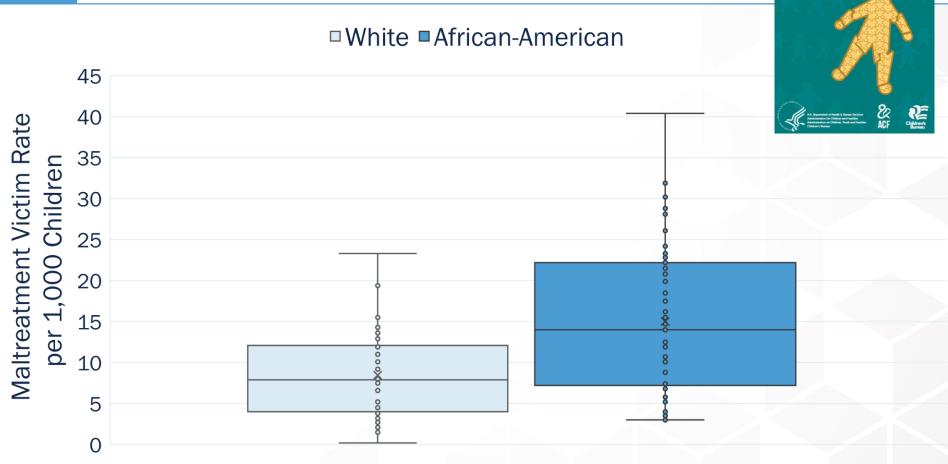


3. NSCH (National Survey of Children's Health, 2016-2017)





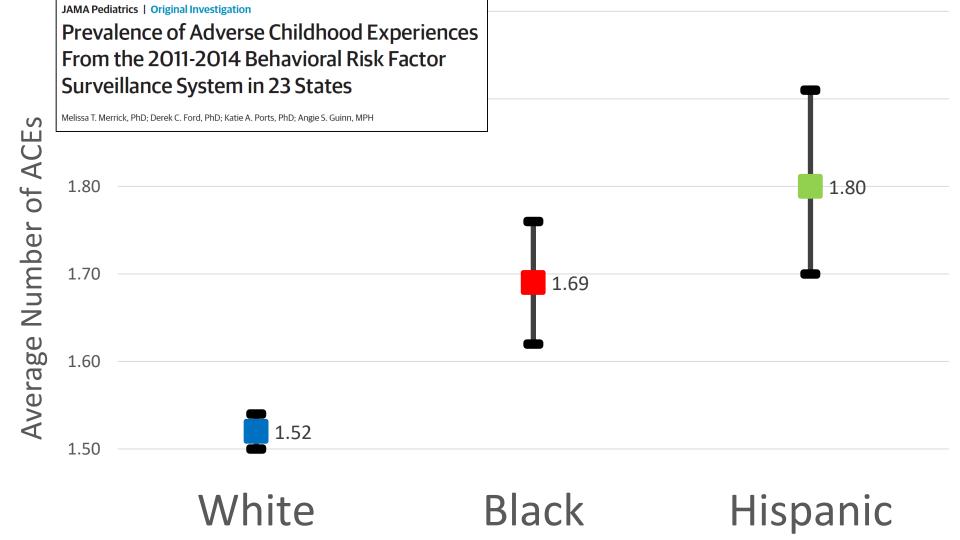
# NCANDS State-level Rate of Maltreatment (2018)

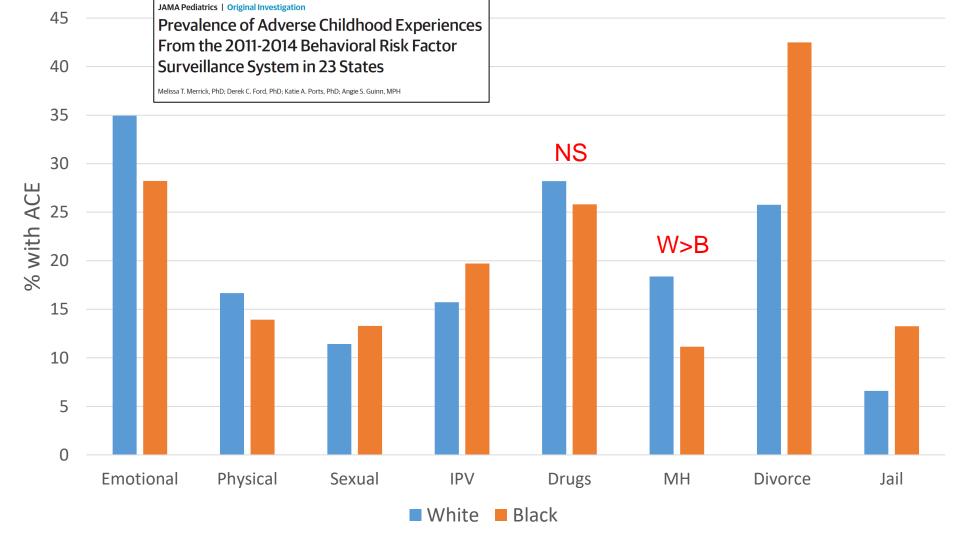


**Child Maltreatment** 

2018

	<b>™</b> BRFSS BRFSS	NSCH State Resource Center for Child & Analogous Health
Survey Design and Sample Size	Largest continuously conducted health survey system in the world  ACE module for 23 states = 249,000	Nationally representative survey of children's health and well-being 2016-2018 n = 102,000
Target Population	Adults 18+	All non-institutionalized children ages 0 – 18 years
Reporter	Self	Parent
ACE Prompt	I'd like to ask you some questions about events that happened during your childhood	The next questions are about events that may have happened during this child's life
ACE Items	O-8 items: Mental Health, Alcohol, Drug Use, Incarceration, Divorce, Witness Domestic Violence, Physical Abuse (not spanking), Verbal Abuse, Sexual Abuse,	O-8 items: Mental Health, Alcohol or Drugs, Incarceration, Divorce, Parent Died, Witness Domestic Violence, Witness Neighborhood Violence, Race/Ethnic Discrimination, Poverty







# 2016-2018 National Survey of Children's Health (NSCH)

- Nationally representative survey (n=102,057)
- Web or mail-based survey conducted by the Census Bureau
- Sponsored by US DHHS Maternal and Child Health Bureau
- ~1,000 surveys collected per state
- One child randomly selected per household
- Representative of non-institutionalized children ages 0-17





# **NSCH Definition of "Adverse Family Experience"**

"The next questions are about events that may have happened during this child's life. These things can happen in any family, but some people may feel uncomfortable with these questions. You may skip any questions you do not want to answer. To the best of your knowledge, has this child experienced...."

- 1. Extreme economic hardship (poverty)
- 2. Parental divorce/separation (divorce)
- 3. Parental incarceration (jail)
- 4. Witness to violence in the home (DV)
- 5. Victim/witness of neighborhood violence (NV)
- 6. Lived with anyone with a drug or alcohol problem (drugs)
- 7. Lived with anyone with a mental illness or was suicidal (mental health)
- 8. Parent/guardian death (death)
- 9. Treated unfairly due to race/ethnic group (discrimination)



# **NSCH vs. CDC-Kaiser ACEs**







Mother treated violently



**Incarcerated Relative** 



Sexual



Divorce



Physical



Mental Illness



Emotional



Substance Abuse



Physical



## **NSCH vs. CDC-Kaiser ACEs**







Mother treated violently



**Incarcerated Relative** 



Divorce



Substance Abuse



Poverty



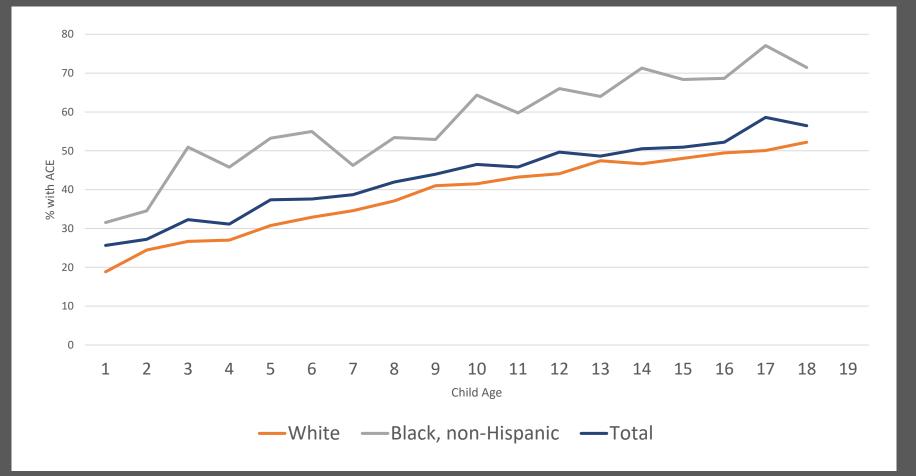
Neighborhood Violence

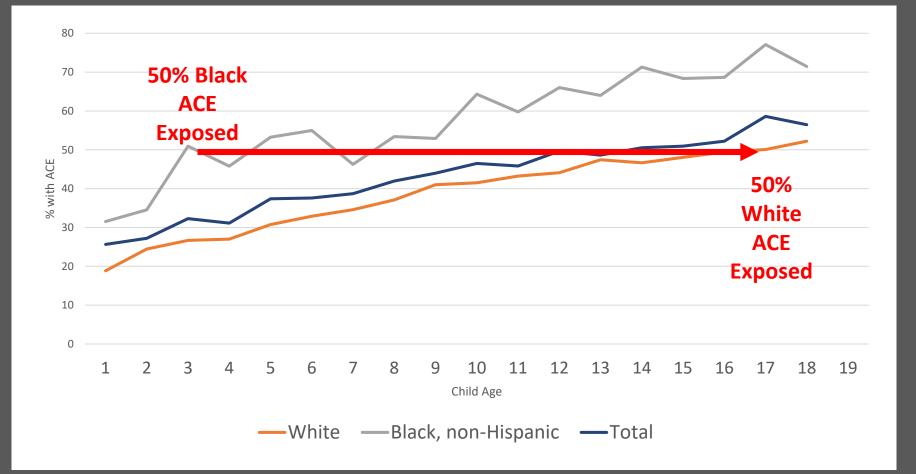


Racial Discrimination



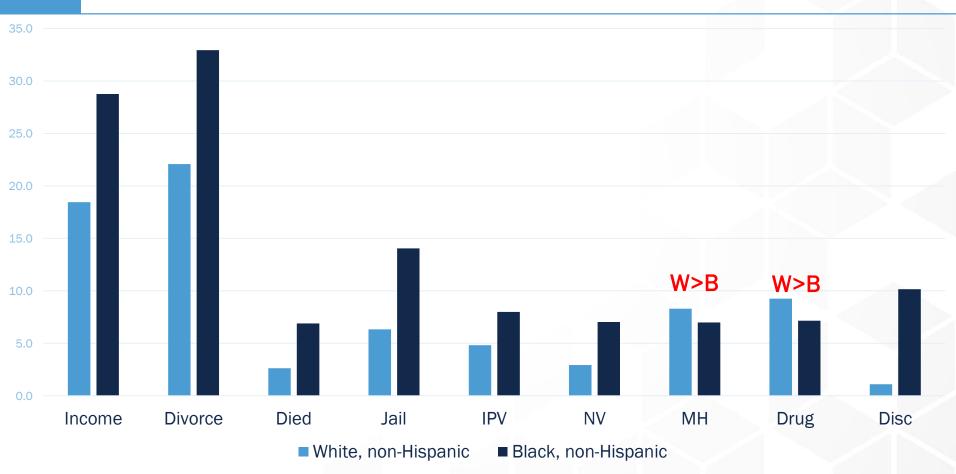
Parental Death





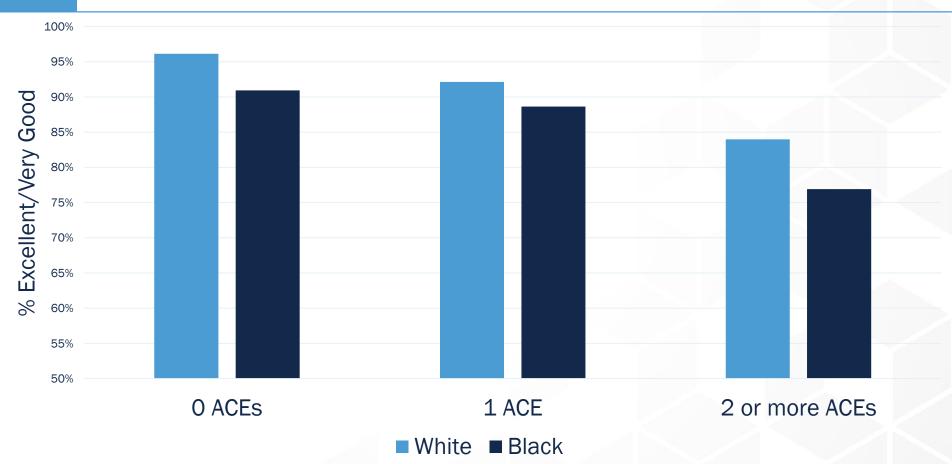


#### **NSCH** % **ACE** by Race





#### **Association Between ACEs and Overall Health**



Summary of Race/Ethnic Differences in ACEs					
ACE	BRFSS	NSCH			
Mental Health	White > Black	White > Black			
Household Substance Use	White > Black	White > Black			
Incarceration	Black > White	Black > White			
Divorce	Black > White	Black > White			
Witness Domestic Violence	Black > White	Black > White			
Physical Abuse (not spanking)	White > Black	-			

Black > White

White > Black

Black > White

Black > White

**Emotional Abuse** 

Neighborhood Violence

Total ACE Score (>0)

Race/Ethnic Discrimination

Sexual Abuse

Parent Died

Poverty

But, wait.....What about resilience?

# Shouldn't we also consider protective factors!?

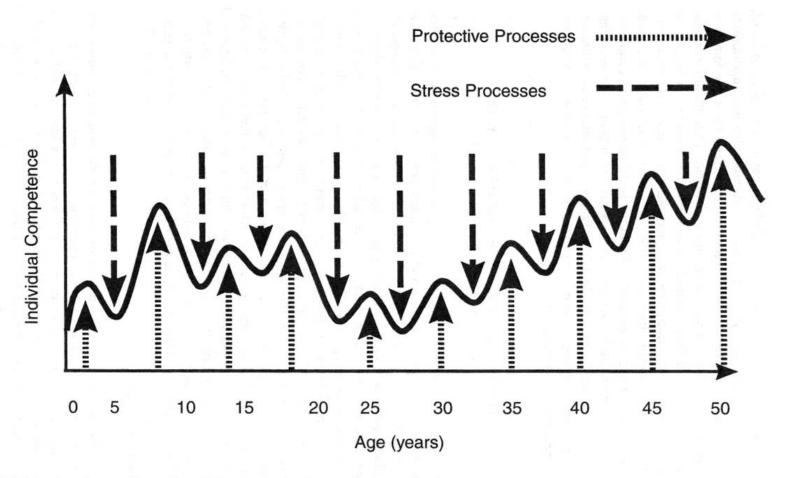
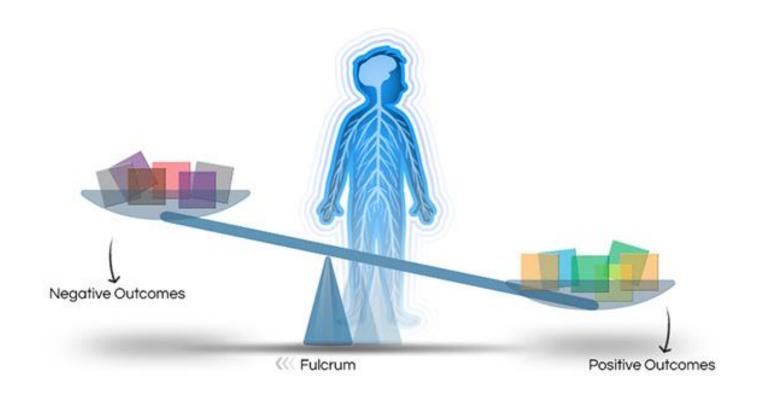


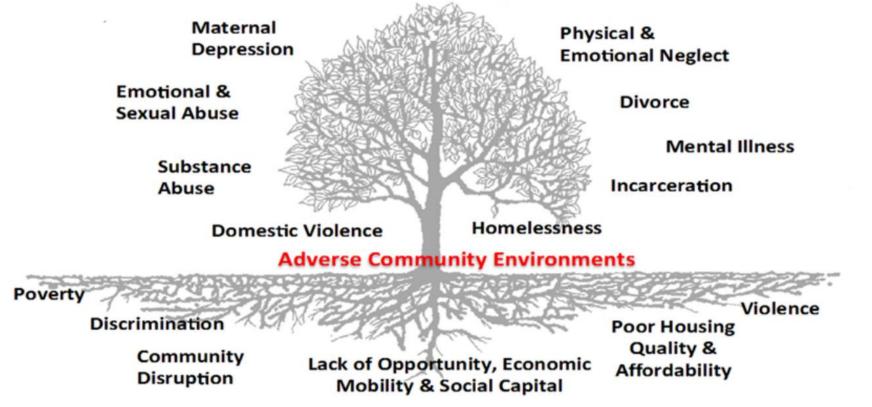
Figure 2.1. Interplay of protective and stress processes and their influence on individual competence across the life span.



National Scientific Council on the Developing Child, Center on the Developing Child at Harvard University, 2015

#### The Pair of ACEs

#### Adverse Childhood Experiences



Ellis, W., Dietz, W. (2017) A New Framework for Addressing Adverse Childhood and Community Experiences: The Building Community Resilience (BCR) Model. Academic Pediatrics. 17 (2017) pp. S86-S93. DOI information: 10.1016/j.acap.2016.12.011











#### **Ecological Resilience**

- Each child/family is a unique ecosystem
- "The capacity of a system to <u>absorb disturbance</u> and <u>reorganize</u> while <u>undergoing</u> <u>change</u> so as to still retain essentially the same function, structure, identity, and feedbacks."
  - Panarchy: the resilience of a system at a particular focal scale will depend on the influences from states and dynamics at scales above and below.

Walker, B., Holling, C. S., Carpenter, S. R., Kinzig, A. (2004). Resilience, adaptability and transformability in social-ecological systems. *Ecology and Society*, 9(2), 5.



#### **Ecological Resilience**

- Adaptability
  - The capacity of actors in a system to influence resilience
  - Adaptability of the system is mainly a function of the social component—the individuals and groups acting to manage the system
- Transformability
  - The capacity to create a fundamentally new system when ecological, economic, or social (including political) conditions make the existing system untenable
- We want families/children to be resilient. But, are our prevention programs and systems adaptable and transformable?

Walker, B., Holling, C. S., Carpenter, S. R., Kinzig, A. (2004). Resilience, adaptability and transformability in social-ecological systems. *Ecology and Society*, 9(2), 5.



#### What does it mean to be "Resilient" or display "Resilience" from Child Maltreatment?



Child Albuse & Neglect

Child Abuse & Neglect 31 (2007) 255-274

Predictors of resilience in abused and neglected children grown-up: The role of individual and neighborhood characteristics<sup>☆</sup>

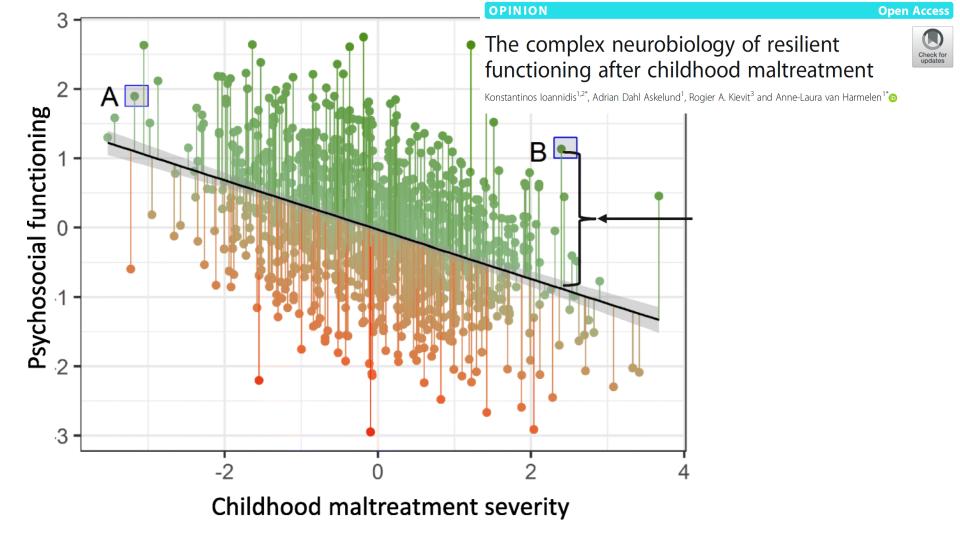
Kimberly A. DuMont<sup>a</sup>, Cathy Spatz Widom<sup>b,\*</sup>, Sally J. Czaja<sup>b</sup>

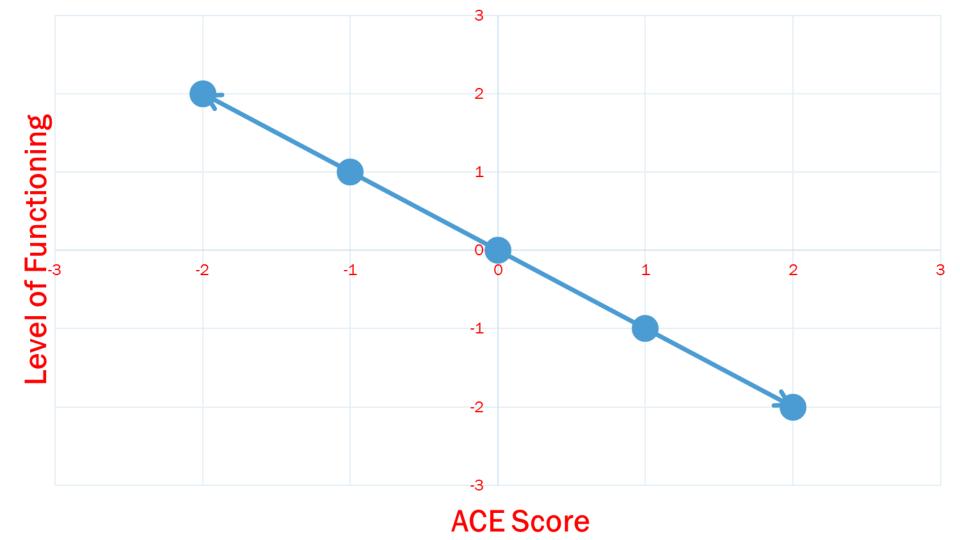
Development and Psychopathology, 13 (2001), 1021–1038 Copyright © 2001 Cambridge University Press Printed in the United States of America

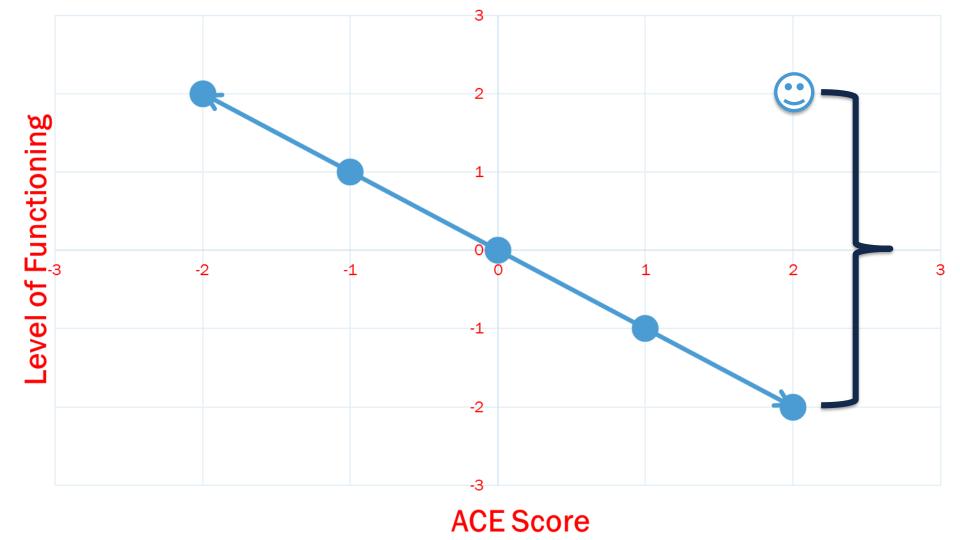
# Resilience among abused and neglected children grown up

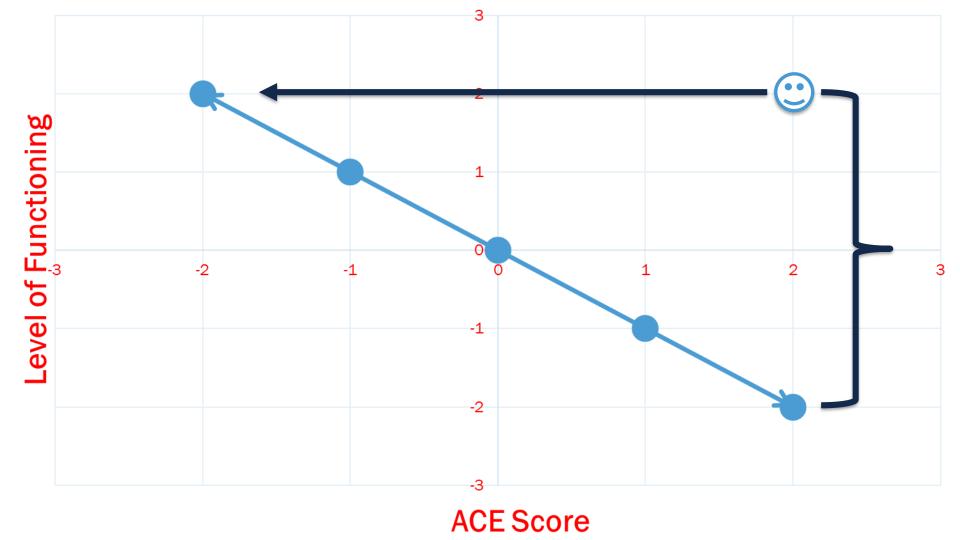
JEAN MARIE McGLOIN<sup>a</sup> AND CATHY SPATZ WIDOM<sup>b</sup>
<sup>a</sup>Rutgers University; and <sup>b</sup>New Jersey Medical School

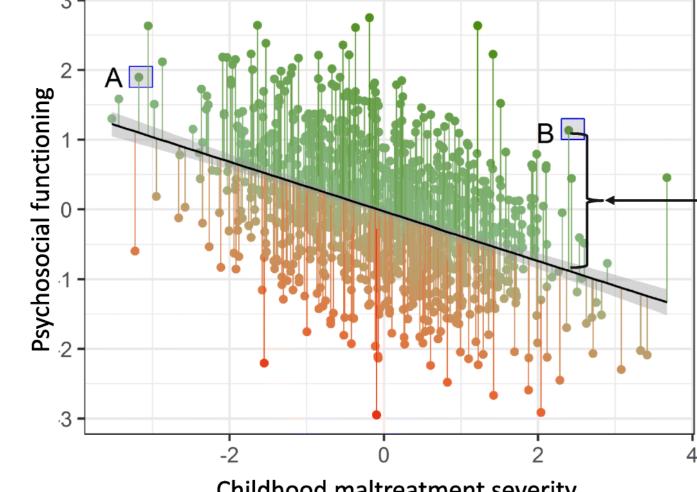
- Resilience = successful in 6 out of 8 domains:
  - 1. Education
  - 2. Psychiatric disorder
  - 3. Substance abuse
  - 4. Arrests
  - 5. Violent behavior
  - 6. Employment
  - 7. Homelessness
  - 8. Social activity
- 50% resilient in adolescence, 30% in young adulthood
- Key predictors of resilience:
  - African-American race
  - Female gender
  - Fewer stressful life events
  - High relationship support



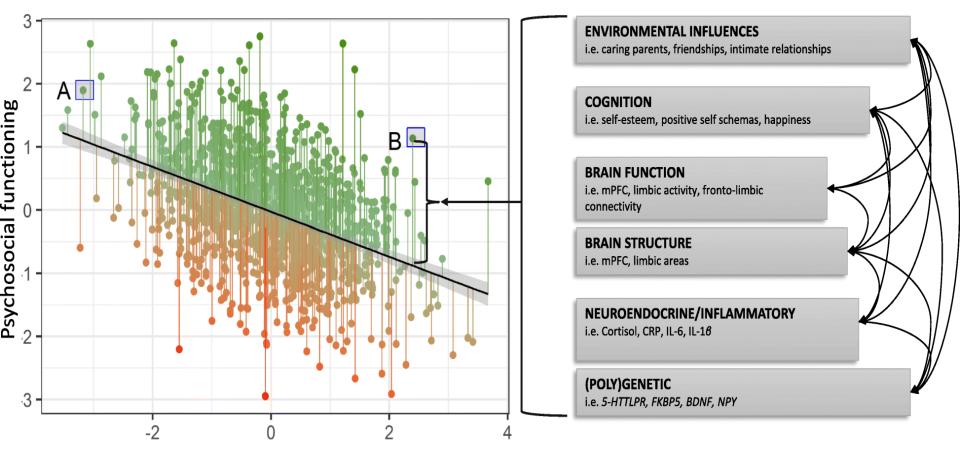




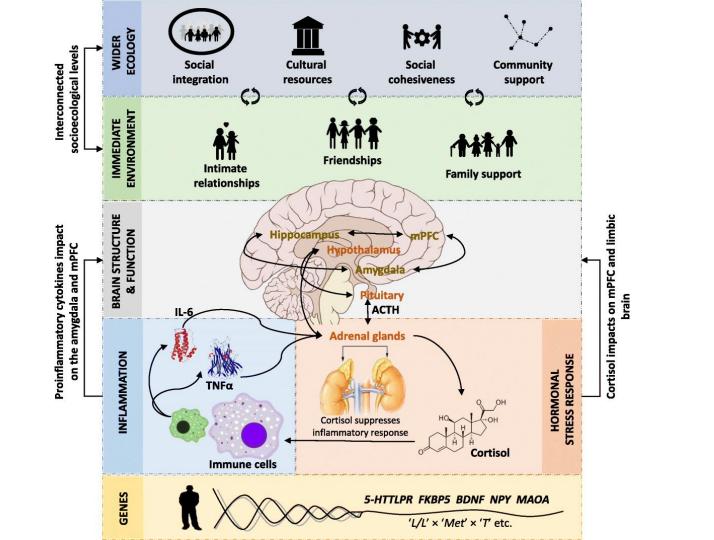


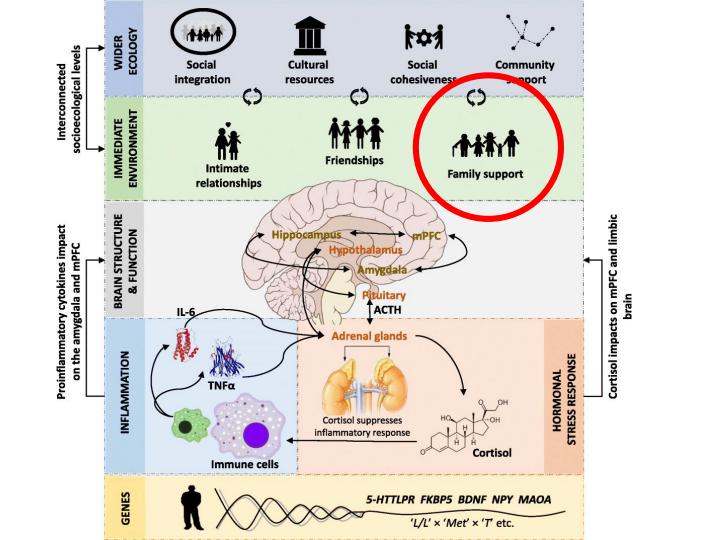


Childhood maltreatment severity



Childhood maltreatment severity





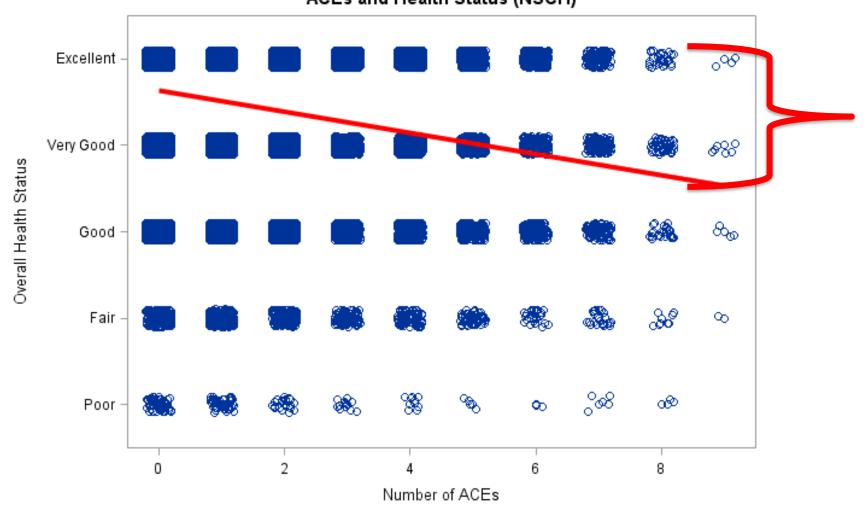


### **NSCH Family Resilience**

A composite measure based on responses to the following 4 survey items: "When your family faces problems, how often are you likely to do each of the following?"

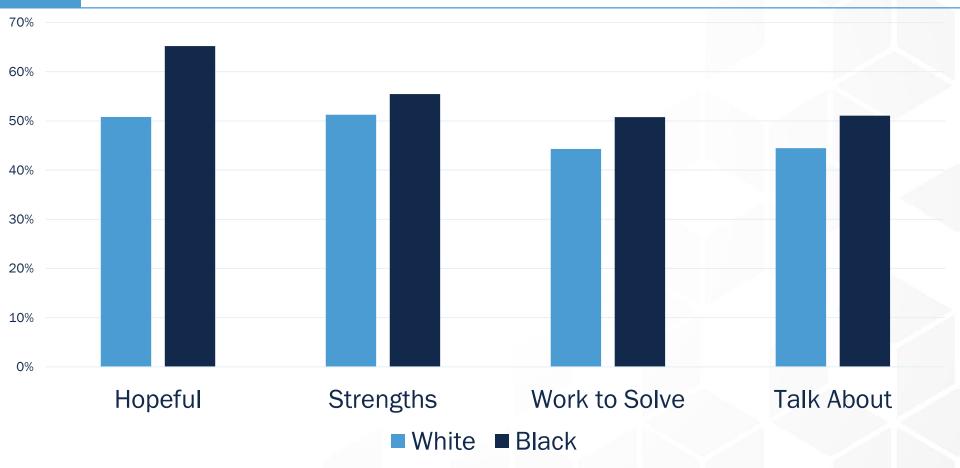
- 1. Talk together about what to do.
- 2. Work together to solve our problems.
- 3. Know we have strengths to draw on.
- 4. Stay hopeful even in difficult times.

#### ACEs and Health Status (NSCH)



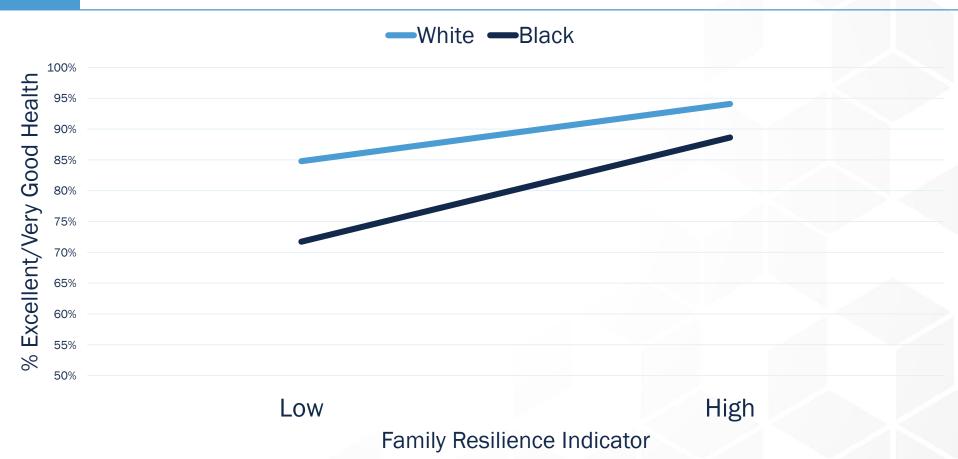


## **Family Resilience by Race**





#### **Association Between Family Resilience and Child Health by Race**



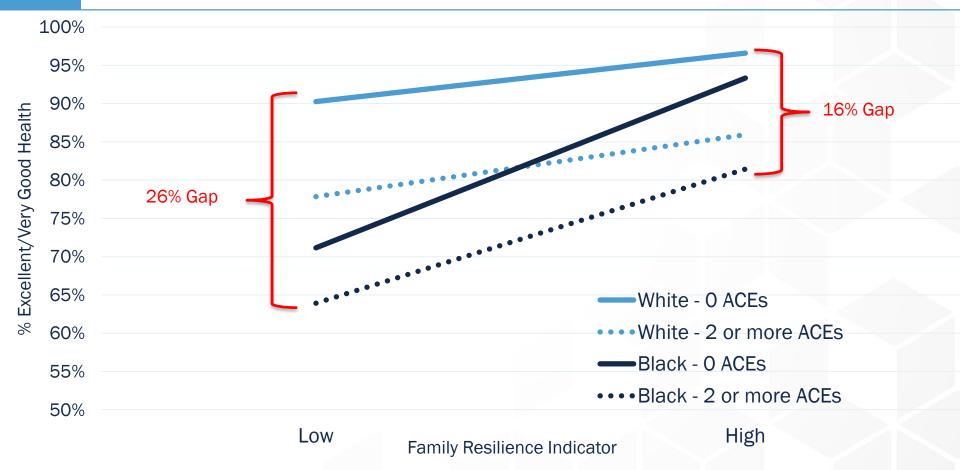


#### Does Family Resilience Moderate the Association Between ACEs and Child Health by Race?





#### Does Family Resilience Moderate the Association Between ACEs and Child Health by Race?





# Does Family Resilience Buffer the Effects of Discrimination on Child Health for Black Children?





#### Does Family Resilience Buffer the Effects of Discrimination on Child Health for Black Children?





#### **Conclusions**

- Black children experience greater cumulative exposure to ACEs compared to white children in the United States
- Exposure to ACEs is associated with worse overall child health, contributing to racial health disparities
- Family resilience is equal, if not greater, among black families compared to white families
- Family resilience buffers the relationship between ACEs and child health, reducing racial health disparities

## **Outline**

- 1. What does ACE exposure and family resilience have to do with health equity?
- 2. Are there racial disparities in ACE exposure in the US? Does family resilience buffer the effects of ACEs on children's health?
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# Why?

Why is family involvement so impactful for health outcomes?

Why does it moderate the impact ACEs has on these outcomes?

Why is this so impactful for Black families in particular?



#### In the context of culture

- We don't exist in a vacuum.
- What is systemic racism?
  - Racial ingroup bias that has been made a part of legal, social, and cultural operations.
  - Often masks itself in structures that are supposed to be nonracial or race-neutral in ideology

#### Racial Equity Institute: The Groundwater Approach

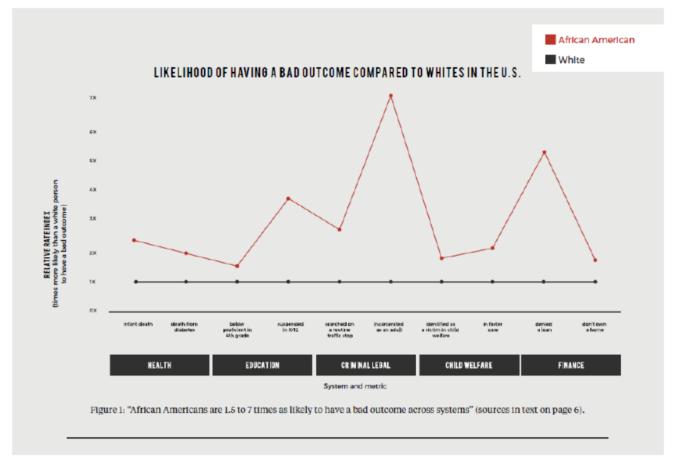
"We live in a racially structured society, and that is what causes racial inequity."

A Groundwater Approach is based on several key observations about racial inequity:



- Racial inequity looks the same across systems
- Socio-economic differences does not explain racial inequity
- Systems contribute significantly to disparities, regardless of people's culture or behavior

Source: The Groundwater Approach: Building a practical understanding of structural racism, Racial Equity Institute



Racial disparities exist in every system in the US without exception.

Source: Racial Equity Institute

Hate Has Flourished In 2 Years Since 'Ilnite The Printer Parished In 2 Years Since Silent Sam may be gone, but North Carolina decided three other Confederate monuments can stay

White Supremacist Propaganda At 'Record-Setting' Levels, ADL Report

CRIME 08/21/2019 11:19 am ET I Updated Aug 21, 2019

Right' Rally In Charlottesville New Jersey Man Arrested With Stockpile Of Assault Weapons, Nazi Paraphernalia Joseph Rubino's house contained clothing with white supremacist symbols and a purported "instruction manual for owning a slave," federal authorities said.

shooting at Walmart

Finds

March 6, 2019 - 7:03 AM ET

Horror in El Paso: 20 dead, 26 wounded in mass 4 White Supremacists Face Federal Charges

In California Attacks

Former East Pittsburgh officer found not guilty in fatal shooting of unarmed

White Supremacy Is A Worldwide Crisis – And The U.S. Can Learn From Abroad



#### **Race-Based Stress**

The stress reaction experienced by people of color when they encounter direct or indirect forms of racism.

Linked to a number of negative outcomes:

Depression

Substance Use

Trauma-like symptoms

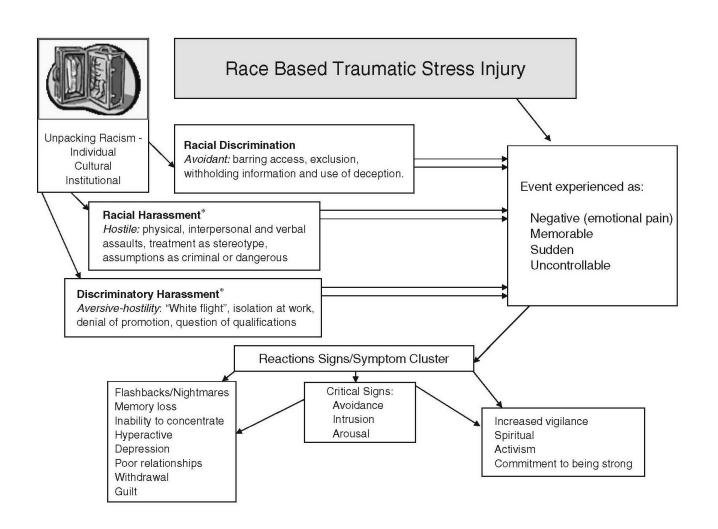
Worry

Feelings of poor health

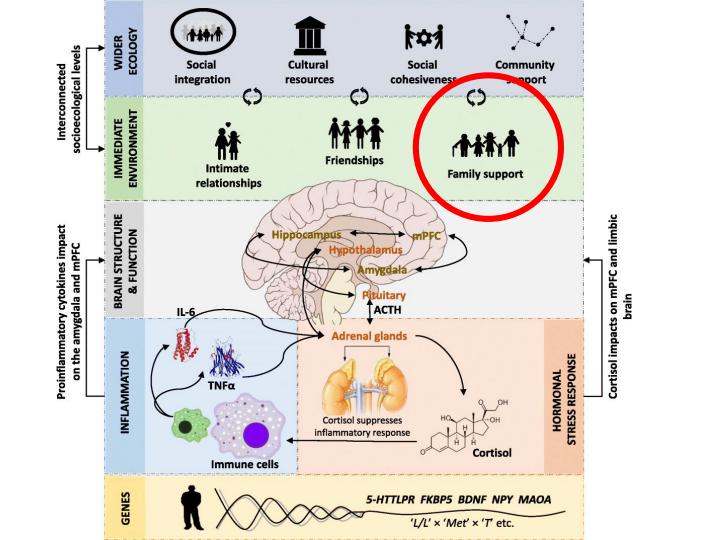


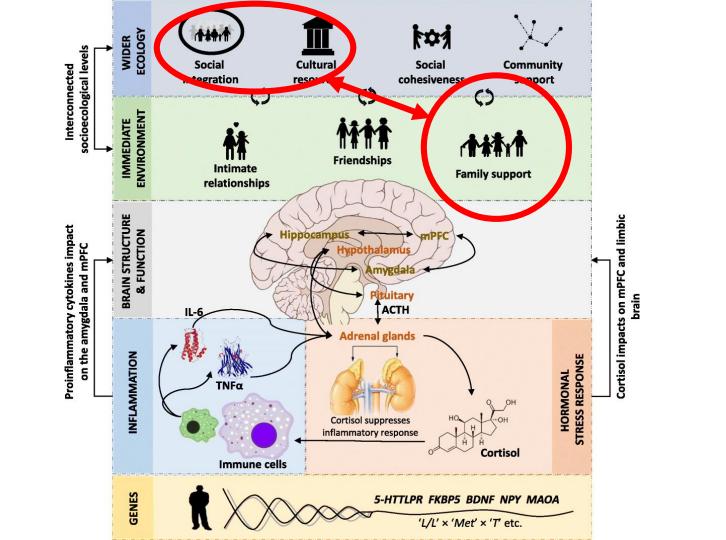
#### **Racism = Poorer Health?**

 Some researchers have theorized that there is a connection between the persistent health disparities experienced by African Americans, and their chronic exposure to racism



# How are stressors (like racism) received and interpreted by families?







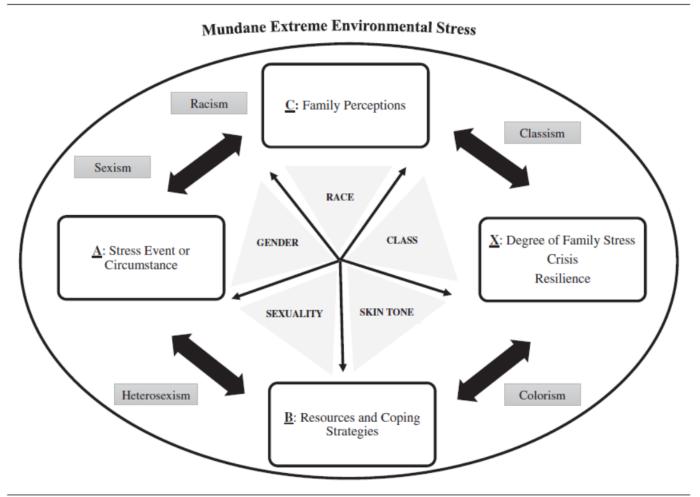
#### **Contextual Model of Family Stress (CMFS)**

- Individuals and families do not live in a vacuum
- 5 dimensions of external context that families CAN'T control:
  - Culture, history, economy, development, and heredity.
- 3 dimensions of *internal* context that they CAN control:
  - Structural, psychological, and philosophical.



#### **Sociocultural Family Stress Model**

- Applies CMFS specifically to African American families
- Incorporates MEES (mundane extreme environmental stress)
  - "...the multiple forms of continuous, chronic, subtle and overt...oppressions (e.g., racism, classism, sexism, heterosexism, colorism) in the lives of African Americans and their families."
  - The stress that African Americans experience as a result of the constant, daily exposure to racism, and their relegation to a racially stratified social system.
  - MEES can make individuals and families physically sick



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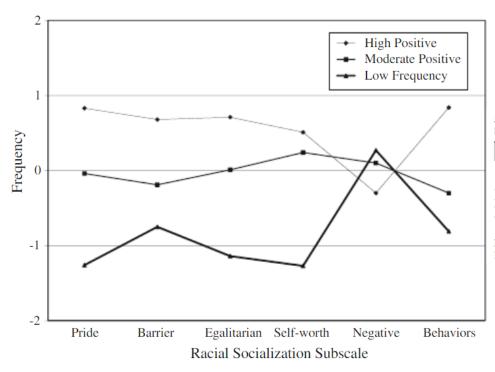
#### **Racial socialization**

- Process through which direct and indirect messages regarding the attitudes, beliefs, values, expectations, behaviors, meanings, and importance related to race and racial group membership are transmitted to youth.
- Prominent feature in many Black families, and frequently a central component of parenting for African Americans.



#### **Racial socialization - benefits**

- Improved sense of self and ability to cope with racialized environments.
- Preparation for bias and discrimination
- Reduced likelihood of depression
- Lower levels of depression
- Weakened relationship between race-based stress and trauma-related symptomology



J Youth Adolescence (2009) 38:189–203 DOI 10.1007/s10964-008-9359-7

#### EMPIRICAL RESEARCH

Racial Socialization and Racial Identity: African American Parents' Messages About Race as Precursors to Identity

Enrique W. Neblett Jr. · Ciara P. Smalls · Kahlil R. Ford · Hòa X. Nguyên · Robert M. Sellers



#### **Cultural Humility in Practice**

- Our systems of care, including assessment, treatment, and intervention delivery are monocultural.
  - Who decides what is "normal" vs. "abnormal"?
- Cultural Humility
  - Be aware of your biases and how that may impact people you serve
  - Recognize the limits of your knowledge
  - Don't be "color blind"
  - Recognize cultural wealth

# **Discussion:**

How will screening differentially impact families or color given what we know about disparities?

What else do we need to know/do to screen and deliver services with cultural competence?

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