Long Term Impact of Adverse Childhood Experiences (ACEs) on Infants in the Foster Care System: How Both Stress and Positive Relationships Can Shape Our Genes

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## Overview

- ▶ Provide an understanding of the ACES study.
- ► Explain the link between mental health, physical health outcomes and epigenetics.
- ▶ Discuss the impact of child abuse and the foster care system.
- ► Explain the link between racism, microaggressions, trauma and toxic stress on parents of African descent and their infants.
- $\blacktriangleright\,$  Discuss protective factors to adverse childhood experiences.

# What is ACES

- ▶ Study by Dr. Vincent Felitti in collaboration with Dr. Robert Anda of the Centers for Disease Control.
- ► Conducted in San Diego California using data gathered by Kaiser Permanente.
- Study identified 10 categories of risk experienced before the age of eighteen.
- Emotional Abuse, Physical Abuse, Sexual Abuse, Physical Neglect, Emotional Neglect, Substance Abuse in the household, Mental Illness in the household, Mother treated violently, Criminal behavior in the household, Divorce or Separation.







# Relations between ACES and Categories of Abuse ACES DEFINITION ▶ Physical Neglect

- Physical NeglectEmotional Neglect
- Physical AbuseSexual Abuse
- Emotional Abuse
   Mother treated violently
- Substance by parent
- Incarcerated parent
- ► Household mental illness ► Parental separation or divorce
- DCFS AREA OF CONCERN
- ► Emotional Neglect
- Physical Abuse
- Sexual Abuse
- ▶ Emotional Abuse
- Intimate partner violence
   Substance by parent
- Incarcerated parent
- Parental mental illness

# Statistics on Children in Foster Care by Race/Ethnicity

#### California

#### Los Angeles

| California                    | Rate per 1,000 |  |
|-------------------------------|----------------|--|
| African American/Black        | 23.7           |  |
| American Indian/Alaska Native | 21.3           |  |
| Asian/Pacific Islander        | 1.1            |  |
| HispanicLatino                | 5.7            |  |
| White                         | 4.9            |  |
| Total Children in Foster Care | 5.8            |  |

| Los Angeles County            | Rate per 1,000 |
|-------------------------------|----------------|
| African American/Black        | 29.1           |
| American Indian/Waska Native  | 16.6           |
| Anian/Pacific Islander        | 1.1            |
| HispanicLatino                | 7.2            |
| White                         | 4.5            |
| Total Children in Foster Care | 7.6            |
| Total Children in Foster Care | 7.6            |

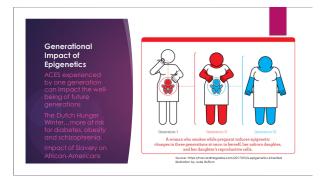
# Census Data of Californians by Race/Ethnicity Race and Hispanic Origin White alone, percent Black or African American alone, percent (a) △ 6.5% △ 1.6% △ 15.2% △ 0.5% △ 3.9% △ 39.1% △ 37.2% Annecian Inferior alone, percent (a) Annecian Indian and Alaska Native alone, percent (a) Asian alone, percent (a) Native Havalian and Other Pacific Islander alone, percent (a) Two or More Races, percent Hispanic or Latino, percent White alone, not Hispanic or Latino, percent Quickfacts data are delived from Reputation Estimates, American Community Survey, Clenus of Poputation and Housing, Current Poputation Survey, Small Area Health Insurance Estimates, Small Area Income and Provety Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Surveyof Business Owners, Surface Permits.

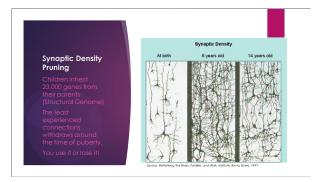
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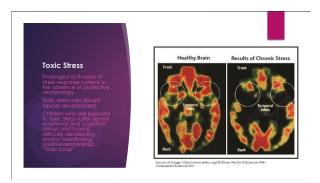
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# Substantiated Cases of Child Abuse and Neglect, by Race/Ethnicity: 2011-2015 Race/Ethnicity: Hispanic/LatinX (Nationally-24.4% California-39.1% per Census) Little Control of Control of













# Is it TRAUMA or SOMETHING ELSE??? Signs that your client has possibly experienced TRAUMA Anger/Destructive Disrespectful Yelis Talks nonstop/mulism Nan Compliant Cries/Cals our Can't sit still Runs Can't focus Developmental delays Adapted fron Stadaber St. Outcomes of Incurrence. Cabba Adapted fron Stadaber St. Outcomes of Incurrence. sord FJ. Outcomes of Traumatic Exposure. Child Adolescent Psychiatric Clin N Am 2014 April; 23 (2): 243–254.

# Philadelphia ACES Study ▶ 5 Newly Identified Urban ACE indicators: Experiencing racism, witnessing violence, living in an unsafe neighborhood, living in foster care, or experiencing bullying ▶ 42% White 44% Black, 3.5% Latino, 3.6% Asian, 3.8% Biracial ► More Sexual partners More Sexual partners More Substance Use More Dicbetes More Obesty More Attima More Mental Illness More Attima More Mental Illness More Sincide Attempts More Sincide Attempts More Sincide Attempts J 3 daylist experienced violence J 3 daylist experienced rocism J 1/10 reported feeling unsafe

- Behavior and Health Outcomes: worse with higher ACE scores and more adverse if lower income as well.

### Perceived Discrimination

- ▶ Racism: a belief that <u>race</u> is the primary <u>determinant</u> of human traits and capacities and that racial differences produce an inherent superiority of a particular race
- Implicit Bias: Relatively <u>unconscious</u> attribution of particular qualities to a member of a certain social group
- Microaggressions: a comment or action that <u>subtly</u> and often unconsciously or <u>unintentionally</u> expresses a prejudiced attitude toward a member of a marginalized group (such as a racial minority)

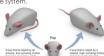
# Perceived Discrimination decreases the quality of mother child relationships

| Maternal<br>perceived racial<br>discrimination | Maternal Stress<br>(life events,<br>financial strain,<br>job stress, etc) | Level of maternal<br>psychological<br>functioning (Rates<br>of anxiety and<br>depression) | mother/child |
|--|---|---|--------------|
| No   | Low   | Low   | High         |
| No   | High  | High  | Low          |
| Yes  | High  | Higher  | Higher       |

Adapted from Murry et al., Journal of Marriage and Family 2001

# How does this all relate to ACES

- Perceived discrimination, Epigenetics and Toxic stress in people of African descent have lead to an increased to exposure of our infants to adverse childhood experiences.
- ▶ Thus, leading to disproportionate interactions with DCFS and entry into in the foster care system.



https://learn.genetics.utah.edu/content/epigenetics/rats

# How do we stop the cycle?

- ► Protective factors
  - ▶ Parental resilience
  - ▶ Social connections
  - Knowledge of parenting and child development
  - ► Concrete supports in times of need
  - ▶ Extended Family Caring
- Access to adequate medical care/informed health professionals
- ► Ethnic/cultural pride
- Children's social and emotional health
- Communities and social systems that support health and development, nurture human capital
- ► Spirituality/Religiosity

# Protective Factors Cont.

- ► Home Visiting with pregnant Women and Families of Newborns
- ▶ Parent Training Programs such as PCIT,
   ▶ Responsive, Supportive Professionals
   ▶ Trauma Informed Systems
- ▶ Intimate Partner Violence Prevention
- Access to treatment for Mental health and Substance Abuse
- Adequate Income to support lower income families
- ▶ Trauma Informed Systems
- ▶ High Quality Childcare









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