Project Echo for Pediatric Care 2018-2020 Early Experiences Elevate Everything June 18, 2020

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Provided by the University of Wisconsin–Madison Interprofessional Continuing Education Partnership (ICEP)

Intended Audience:

Pediatric emergency care professionals

Objectives:

As a result of this educational regularly scheduled series, learners will be able to:

- 1. Utilize new skills and guidelines determined to be safe for children when accessing pediatric trauma.
- 2. Identify proper tools and standardized practices in order to improve the diagnosis and treatment of pediatric patients.
- 3. Define roles and responsibilities of team members who triage pediatric emergencies in order to identify communication strategies that result in effective patient care.

Policy on Disclosure

It is the policy of the University of Wisconsin-Madison ICEP that the faculty, authors, planners, and other persons who may influence content of this CE activity disclose all relevant financial relationships with commercial interests* in order to allow CE staff to identify and resolve any potential conflicts of interest. Faculty must also disclose any planned discussions of unlabeled/unapproved uses of drugs or devices during their presentation(s). For this educational activity, all conflicts of interest have been resolved and detailed disclosures are listed below.

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Name/Role	Financial Relationship	Discussion of Unlabeled/
	Disclosures	Unapproved uses of drugs/
		devices in presentation?
Jonathan Kohler, MD Presenter, Chair	No relevant financial relationships to disclose	No
Veronica Watson Coordinator	No relevant financial relationships to disclose	No
Randi Cartmill, Coordinator	No relevant financial relationships to disclose	No
Benjamin Eithun, MSN, RN,	No relevant financial relationships to disclose	No
Coordinator		
Kim Sprecker, OCPD Staff	No relevant financial relationships to disclose	No
Dipesh Navsaria, MD, Presenter	No relevant financial relationships to disclose	
Jasmine Zapata, MD, MPH, Presenter	No relevant financial relationships to disclose	No

Accreditation Statement

In support of improving patient care, the University of Wisconsin–Madison ICEP is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.



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American Medical Association (AMA)

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American Nurses Credentialing Center (ANCC)

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Continuing Education Units (CEUs)

The University of Wisconsin–Madison ICEP, as a member of the University Professional & Continuing Education Association (UPCEA), authorizes this program for 0.1 CEUs or 1

hours. Disclaimer: All photos and/or videos included in the following presentation are permitted by subjects or are not subject to privacy laws due to lack of patient information or identifying factors

Claiming credit

Follow the instructions below, and contact us at projectecho@surgery.wisc.edu with any questions.

- 1. Create account with the UW Interprofessional Continuing Education Partnership https://ce.icep.wisc.edu
- 2. During the live presentation, and in the follow-up email, you will be provided a code. Text that code to a number we provide you, using a cell phone associated with your account.

Text **GAZSER** to 608-260-7097

(save this number as **ECHO Credit**, it will never change)

3. All done!! Log onto ICEP to view or print your credit letter.

E A R L Y EXPERIENCES E L E V A T E EVERYTHING

DIPESH NAVSARIA, MPH, MSLIS, MD



DEPARTMENT OF PEDIATRICS

UW School of Medicine & Public Health

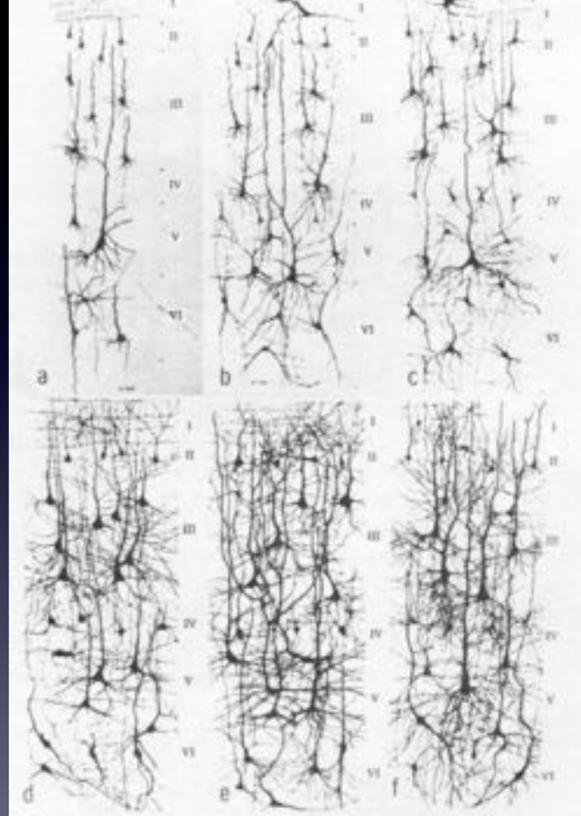
SCHOOL OF LIBRARY AND INFORMATION STUDIES UNIVERSITY OF WISCONSIN-MADISON



EARLY BRAIN & CHILD DEVELOPMENT LEADERSHIP WORKGROUP AMERICAN ACADEMY OF PEDIATRICS



700 New Neural Connections per Second



Postnatal development of human cerebral cortex around Broca's Area (FCBm); camera lucida drawings from Golgi-Cox preparations. a: newborn; b: 1 month; c: 3 months; d: 6 months; e: 15 months; f: 24 months.

(from Conel, 1939-1959)

(If OILL COTTET, 1909-1909)

18 Months:

Sampling Experience

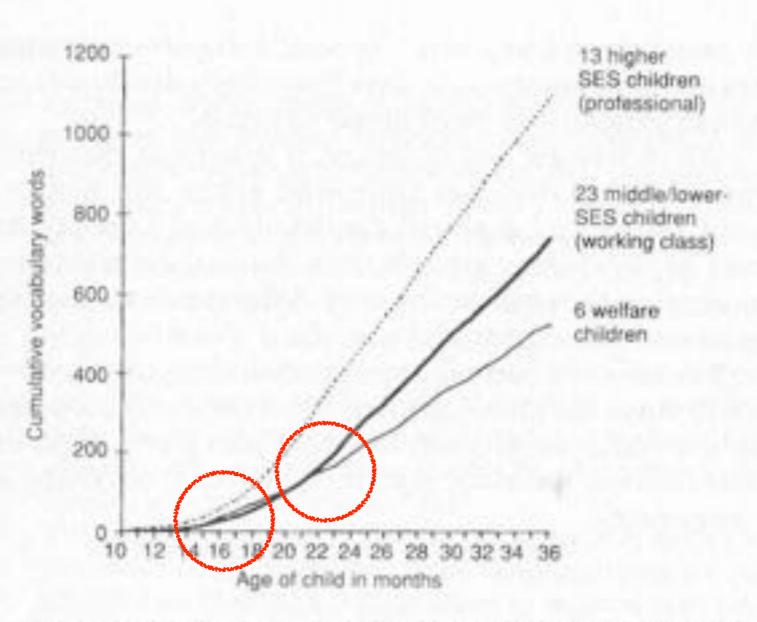


Figure 2. The widening gap we saw in the vocabulary growth of children from professional, working-class, and welfare families across their first 3 years of life. (See Appendix B for a detailed explanation of this figure.)



The 3-legged stool for developmental and health trajectories

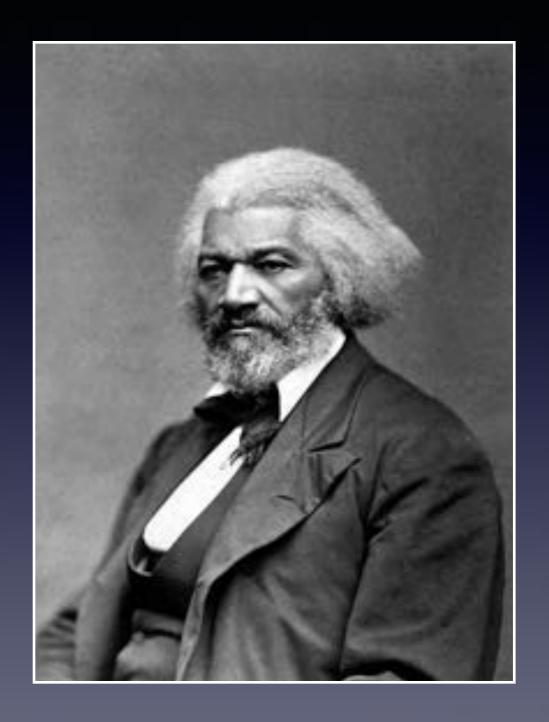
Genetic, Prenatal & Neurodevelopmental **Factors** Attachment Socioand economic Relationship environment **Patterns**



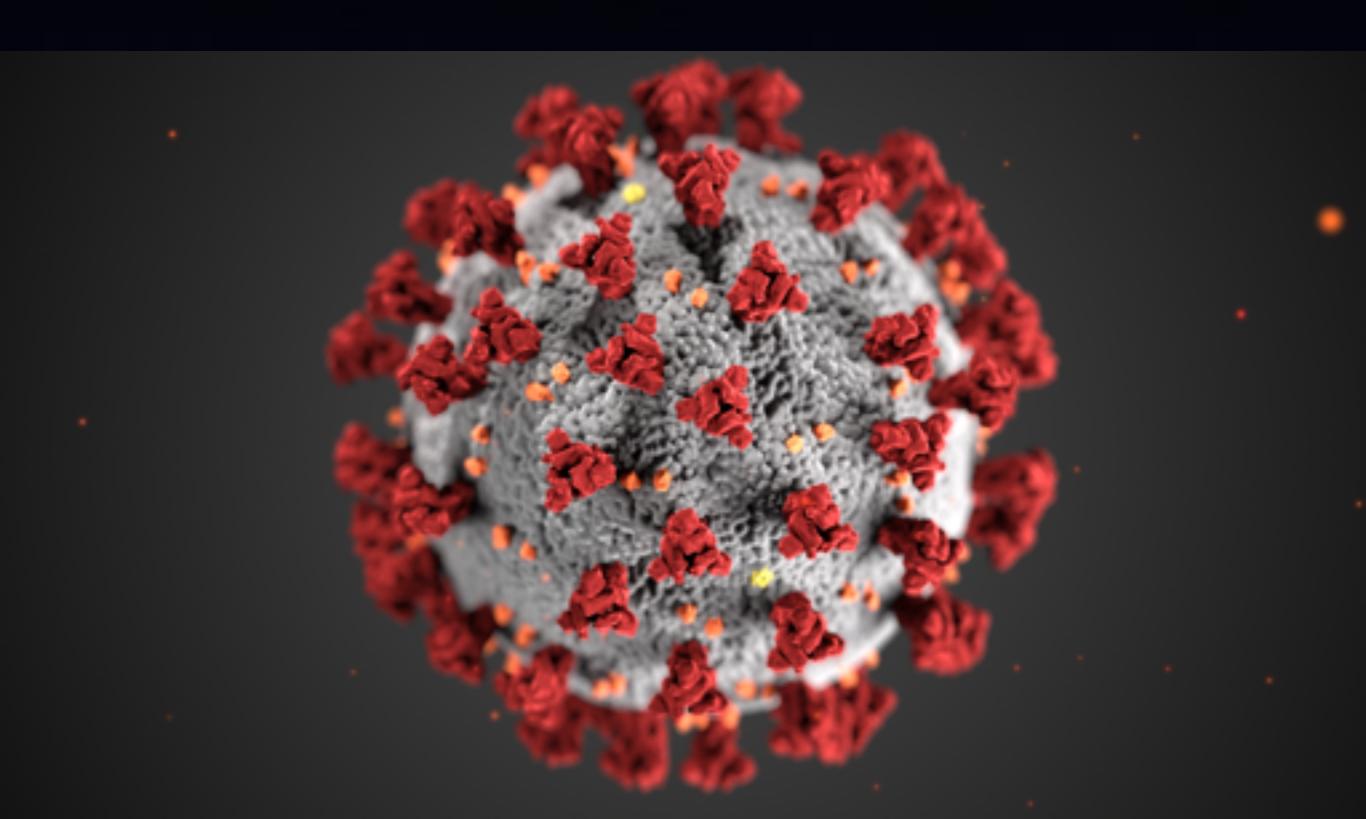


"It is easier to build strong children than to repair broken men."

> - Frederick Douglass (1817-1895)



The Reality of Now







World Map





U.S. Map



Critical Trends



COVID-19 Dashboard by the Center for Systems Science and Engineering (...

Total Confirmed

Confirmed Cases by Country/Region/Sove reignty

1,046,022 US

139,639 Spain

105,463 Italy

66,628 France

166,443 United Kingdom

2.123 Germa ny

Turkey

Russia

4,640 Iran

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187

Last Updated at (M/D/YYYY) 4/30/2020, 12:32:33 PM



Lancet Inf Dis Article: Here. Mobile Version: Here. Lead by JHU CSSE. Automation Support: Esri Living Atlas team and JHU APL, Contact US, FAQ,

Total Deaths 229,447

27,967 deaths Italy

26,097 deaths United Kingdom

24,543 deaths Spain

24,087 deaths France

18,076 deaths New York

Deaths D

Total Test Results in US 6,065,570

872,481 tested New York US

603.139 tested California US

373.488 tested Florida US

314.790 tested Texas US

265,618 tested Massachusetts US

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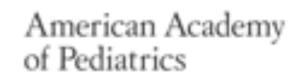


Number of Families in the United States (in millions)



POLICY STATEMENT

Organizational Principles to Guide and Define the Child Health Care System and/or Improve the Health of all Children





DEDICATED TO THE HEALTH OF ALL CHILDREN'

The Impact of Racism on Child and Adolescent Health

Maria Trent, MD, MPH, FAAP, FSAHM,* Danielle G. Dooley, MD, MPhil, FAAP,* Jacqueline Dougé, MD, MPH, FAAP,* SECTION ON ADOLESCENT HEALTH, COUNCIL ON COMMUNITY PEDIATRICS, COMMITTEE ON ADOLESCENCE

The American Academy of Pediatrics is committed to addressing the factors that affect child and adolescent health with a focus on issues that may leave some children more vulnerable than others. Racism is a social determinant of health that has a profound impact on the health status of children, adolescents, emerging adults, and their families. Although progress has been made toward racial equality and equity, the evidence to support the continued negative impact of racism on health and well-being through implicit and explicit biases, institutional structures, and interpersonal relationships is clear. The objective of this policy statement is to provide an evidence-based document focused on the role of racism in child and

abstract

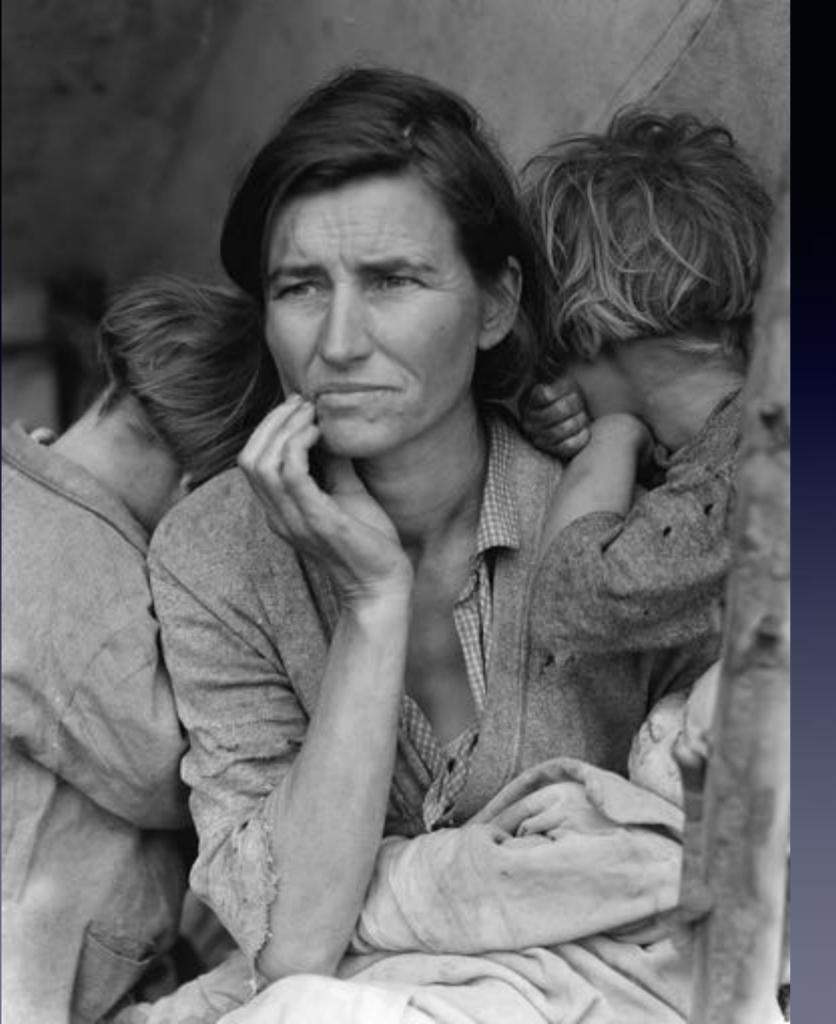
"Division of Adolescent and Young Adult Medicine, Department of Pediatrics, School of Medicine, Johns Hopkins University, Baltimore, Maryland; "Division of General Pediatrics and Community Health and Child Health Advocacy Institute, Children's National Health System, Washington, District of Columbia; and "Medical Director, Howard County Health Department, Columbia, Maryland

Drs Trent, Dooley, and Dougé worked together as a writing team to develop the manuscript outline, conduct the literature search, develop the stated policies, incorporate perspectives and feedback from American Academy of Fediatrics leadership, and draft the final version.

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It is beyond question that racism is a health issue. It is a public health concern, and it is an individual health concern. Science — ranging from psychology and sociology to neurology, endocrinology, and epigenetics — has shown us clearly that the toxic stress experienced by individuals has a profound deleterious effect on their health. Entities that we have long attributed solely to genetic predispositions or an inability to be "compliant" with treatment are now being questioned as pathophysiological routes pointing back to individual and generational trauma as a root cause. It is clear that we have attributed far too much to race — a questionable categorization strategy in most circumstances to begin with, and unchangeable even so — when the answer has been racism, which is a creation of human beings, and can be eliminated by human beings.



Struggles have always been present.

But now they're laid bare.

My ideal doctor would be my Virgil, leading me through my purgatory or inferno, pointing out the sights as we go. He would resemble Oliver Sacks, the neurologist who wrote "Awakenings" and "The Man Who Mistook His Wife for a Hat." I can imagine Dr. Sacks entering my condition, looking around at it from the inside like a benevolent landlord with a tenant, trying to see how he could make the premises more livable for me. He would see the genius of my illness. He would mingle his daemon with mine; we would wrestle with my fate together.

Anatole Broyard



Dante and Virgil in the Second Circle of Hell by Joseph Anton Koch (1823)



Dante and Virgil in Hell by Eugène Delacroix (1798-1863)

Principles of The Solutions

We need solutions which...

Build capabilities

Build capacities

Are based in homes & communities

Address root causes

Have long-term effects

Address prevention

Leverage the first 1000 days

Are evidence-guided

Are scalable

Productive, happy adults



Educationally successful



Brain circuitry primed for school success



Early experiences molding brain for learning



Nurturing, responsive interactions with children



Adults with the ability to put these skills into action



Adults with capability and capacity to interact well with children



Programs, policies, and advice

A Solution for Now







Practices to Dismantle Structural Racism & Improve Health and Well-Being

from Hardeman RR, Medina EM, Boyd RW. Stolen Breaths. NEJM, 10 June 2020. DOI: 10.1056/NEJMp2021072

- 1. Divest from racial health inequities a byproduct of the tiered and sometimes racially segregated health care delivery structure that provides different quality of care to different populations;
- 2. Desegregate the health care workforce racial exclusion is rife at essentially every level of health care;
- 3. Make "mastering the health effects of structural racism" a professional medical competency which would include our licensing, accreditation, and qualifying entities and processes including that;
- 4.Mandate and measure equitable outcomes it is far easier for us to find out how many central line infections are in our ICUs than it is to discern racial and ethnic health disparities in outcomes;
- 5. Protect and serve we must play a role in advocating for our patients. Advocacy is not merely a hobby or a sideline, but a critically-important skill that needs to be well-taught, well-supported, well-funded, and well-executed, the same as any other medical skill.



Virgil and Dante meeting Homer, Horace, Ovid, and Lucan by Nicola Consoni (1814-1884)



Dante and Virgil in the Ninth Circle of Hell by Gustave Doré (1832–1883)

