SOCIAL FACTORS INFLUENCING CIRCULATORY HEALTH

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26th Annual Update on Pediatric & Congenital Cardiovascular Disease

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NO DISCLOSURES

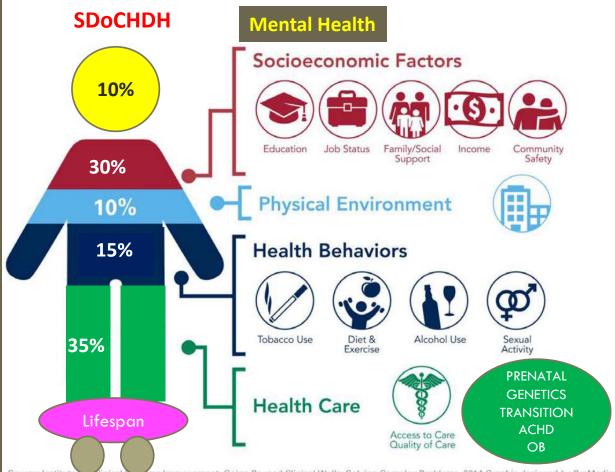




WHAT WE KNOW: SOCIAL DETERMINANTS OF HEALTH (SDOH)

IMPACT OF SOCIAL DETERMINANTS OF HEALTH

SOCIAL DETERMINANTS OF HEALTH HAVE TREMENDOUS EFFECT ON AN INDIVIDUAL'S HEALTH REGARDLESS OF AGE, RACE, OR ETHNICITY.





SDH are significantly associated with adverse outcomes across the lifespan of CHD patients, from prenatal diagnosis to ACHD. The study findings dramatically underscore that SDH are significantly associated with many of the most important and serious CHD outcomes, including a lower likelihood of prenatal diagnosis, increased CHD incidence, higher infant mortality, worse post-surgical outcomes, greater inpatient resource utilization, more missed Br clinic appointments, increased loss to follow-up, lower performance IQ, worse cognition, decreased grade-level proficiency in literacy and math, reduced family QOL, a higher risk for ACHD endocarditis, more ACHD hospitalizations and hospital readmissions, unsuccessful transfer of care from pediatric to adult congenital cardiology care, and increased odds of complications and death after ACHD surgery. SDH screening and referral to appropriate

services has the potential to improve outcomes for CHD patients across the lifespan. RCTs

are urgently needed of innovative interventions, such as parent mentors, that might

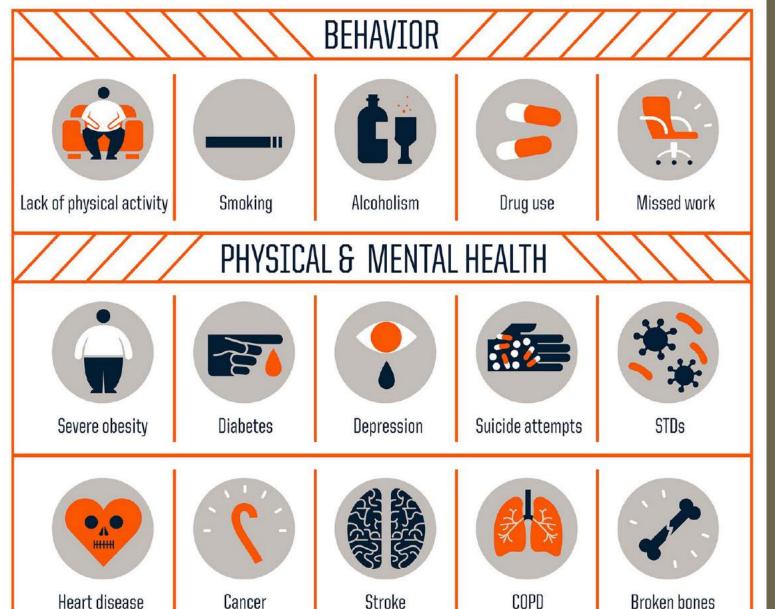
eliminate SDH and achieve better outcomes for children and adults with CHDs and their

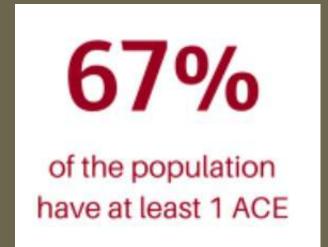


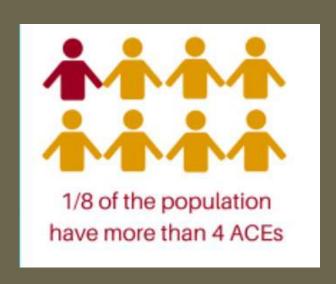
families.

Baylor College of Medicine

WHAT WE KNOW: ADVERSE CHILDHOOD EXPERIENCES (ACES)







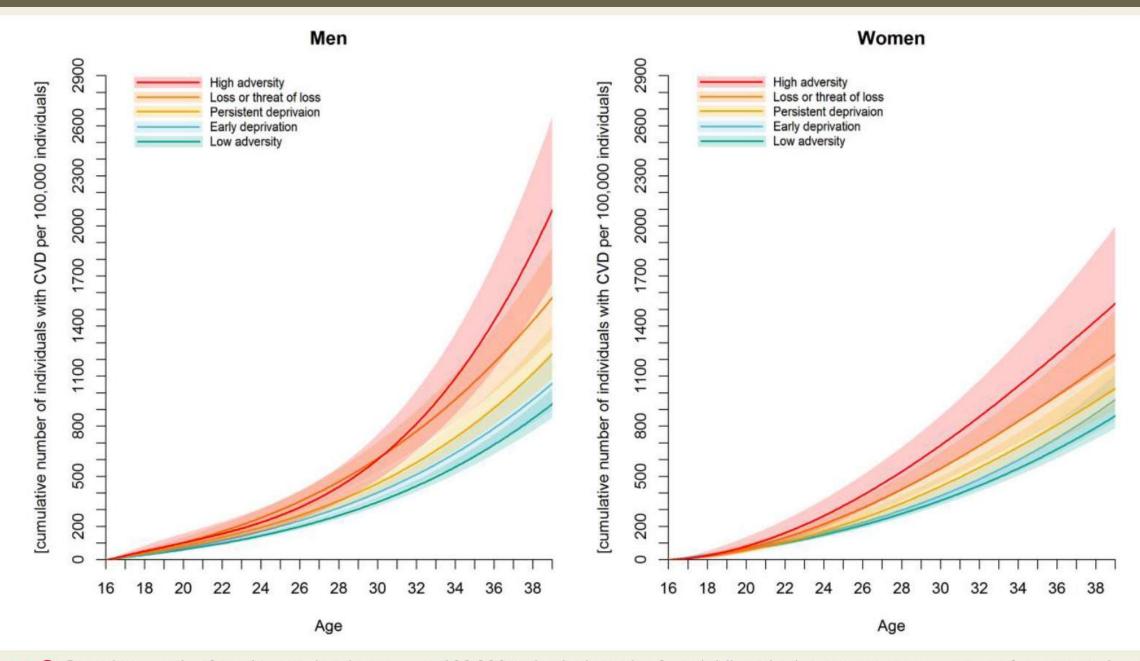
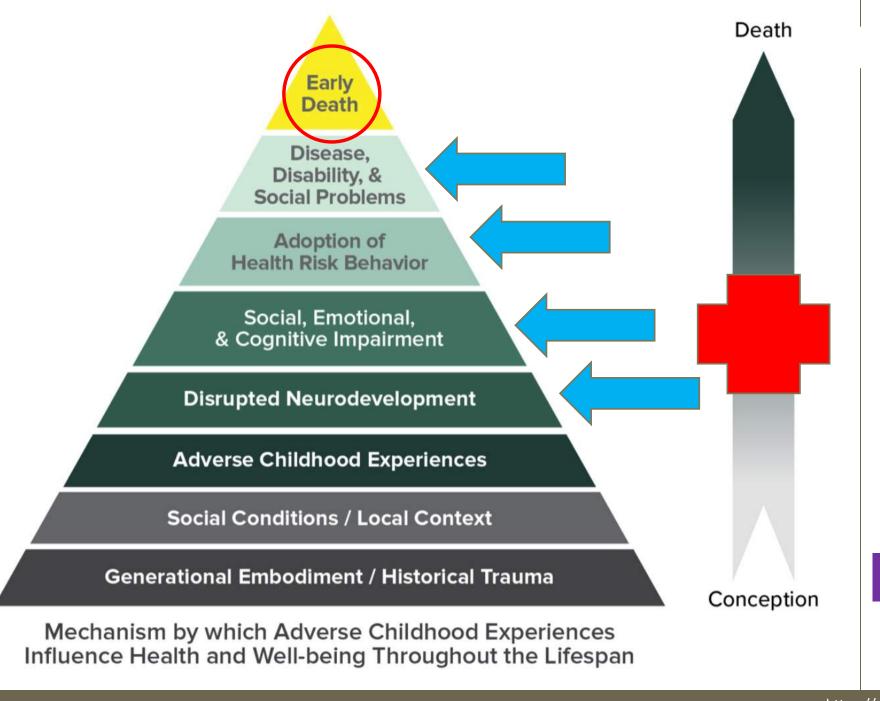
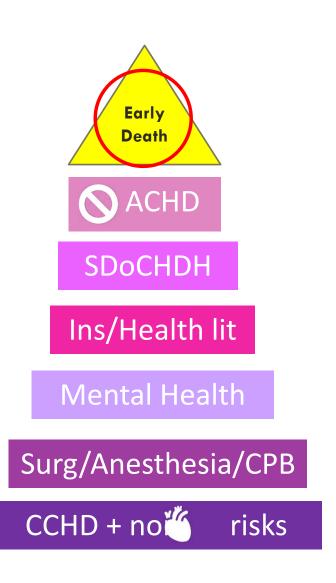


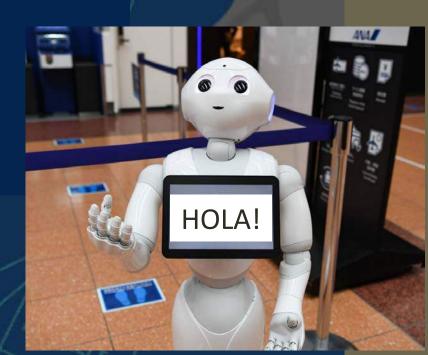
Figure 3 Cumulative risk of cardiovascular disease per 100 000 individuals in the five childhood adversity trajectory groups for men and women, respectively.





WHAT WE KNOW: NEED TO IMPROVE COMMUNICATION WITH DIVERSE PATIENTS + THOSE WITH LOW HEALTH LITERACY

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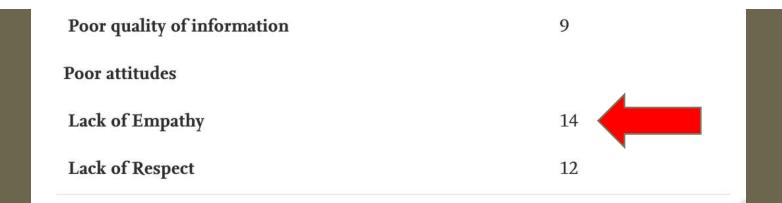




Home > Exclusive > Social Psychology

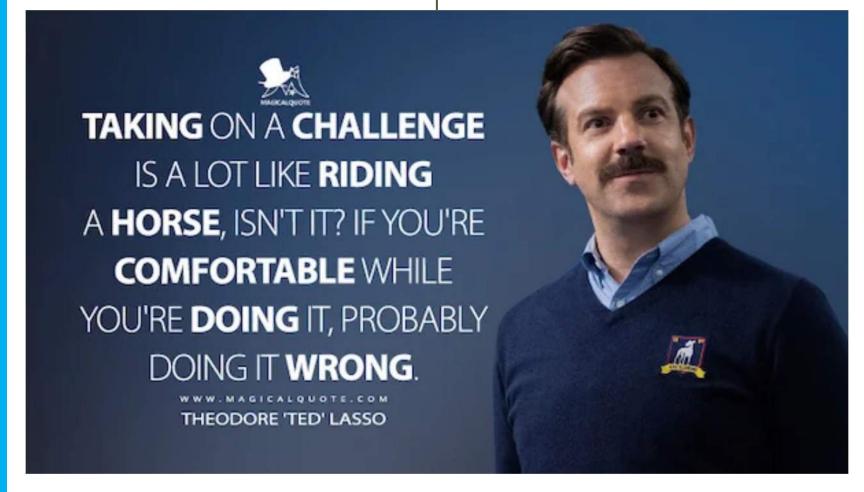
Racial bias may be conveyed by doctors' body language

by University of Pittsburgh Schools of the Health Sciences — January 4, 2016 in Social Psychology



WHAT CAN WE DO TO IMPACT INEQUITABLE OUTCOMES?





GLOBAL STRATEGY

DEI Desired Outcome



and Words: Leveraging Financial Resources to Improve uity, and Inclusion in Academic Medical Centers

lark^{1,2} · Alyssa Cohen^{1,3} · Nia Heard-Garris^{1,2,3}

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For institutions to truly show their commitment, a transparent, continuous, and robust financial investment must be made

STRATEGY #1

Think differently about screening and risk modeling with SDOH and ACES





PRIORITIZE SCREENING FOR SDOH & ACES IN CLINICAL SETTINGS

Requires dedicated resources (non-MD's) to screen AND act

Requires SDOH flagging in EMR

Requires community partners to address unequal SDOH

Helps MD: situationally aware





European Heart Journal (2023) 44, 594-597 European Society https://doi.org/10.1093/eurheartj/ehac697

Moving beyond lifestyle: the case for childhood adversity, social determinants of health, and psychosocial factors in cardiovascular risk prediction

Global

cardiovascular

risk

Adrienne H. Kovacs 60 1*, Dominique Vervoort 60 2, and Keila N. Lopez 60 3

Adverse childhood experiences

- Material deprivation (family poverty, parental long-term unemployment)
- Loss or threat of loss (death or significant physical illness of parent or sibling)
- Family dynamics (foster care, parental or sibling psychiatric illness, parental alcohol or drug abuse, parental separation)
- Household dysfunction
- Abuse (psychological, physical, sexual)
- Neglect (emotional, physical)



Individual behaviours and risks

- Diet
- Physical activity
- Tobacco use
- Weight/adiposity
- Cholesterol
- Diabetes
- Blood pressure
- Sleep
- Alcohol use





- Education
- Employment and working conditions

- Ability to afford health services
- Neighbourhood safety and walkability
- Access to healthy foods
- Health literacy
- All forms of discrimination



Psychosocial factors

- Psychological distress (depression, anxiety, etc.) and well-being
- Previous health experiences and interactions (both positive and negative)
- Acute and chronic stress
- Optimism, pessimism, hostility
- Coping strategies
- Social capital: network, engagement and support
- Timely mental health diagnoses and access to support services

STRATEGY #2

Utilize a patient navigator to improve patient experience and amplify their voice





PATIENT NAVIGATOR

Help patients navigate complex medical system in linguistically and culturally sensitive way

Often representative from a patient community, culture, experience

- •Help patients mitigate differences in health literacy, better coordination between providers
- Serve as a voice to amplify and further convey patient concerns
- •Linguistic, cultural, and emotional barriers: low English proficiency, cultural beliefs, mistrust/fear, fatalism





Bilingual patient navigator or healthcare interpreter: What's the difference and why does it matter? Cogent Medicine, 6:1, DOI: 10.1080/2331205X.2019.1582576

Article: 181087776 | Received 21 Sep 2018, Accepted 08 Feb 2019, Accepted author version posted online: 15 Feb 2019, Published online:01 Mar 2019

66 Download citation

https://doi.org/10.1080/2331205X.2019.1582576



Bilingual patient navigators have been more effective than interpreters alone in impacting:

 No-show rates, number of unplanned hospitalizations, average length of stay, and staff/family confidence in the family's ability to care for the patient at home among families who experience difficulty navigating the healthcare system





STRATEGY #3

Specific training in clinical communication that matters to patients from all communities





PERSPECTIVES

E.M.P.A.T.H.Y.

A Tool to Enhance Nonverbal Communication Between Clinicians and Their Patients

Riess, Helen MD; Kraft-Todd, Gordon

Author Information ⊗

Academic Medicine 89(8):p 1108-1112, August 2014. | DOI: 10.1097/ACM.000000000000287

E.M.P.A.T.H.Y.—

E: eye contact

M: muscles of facial expression

P: posture

A: affect

T: tone of voice

H: hearing the whole patient

Y: your response





Gratitude between patients and their families and health professionals: A scoping review

Maria Aparicio 1 2, Carlos Centeno 1 3, Carole Robinson 4, María Arantzamendi 1 3

Affiliations + expand

PMID: 30084234 DOI: 10.1111/jonm.12670

Patients and family members were grateful for technical skills but above all, for human skills (empathy & individualized care)

Patients want a physician with a good sense of humor, physical presence, and engagement that demonstrates compassion, empathy, friendliness, and honesty





STRATEGY #4

Consider interventions on "nontraditional" aspects of CHD care AND measure impact on patient outcomes

SDoCHDH

Communication

Patient navigation of complex medical systems

Transition and Transfer of care





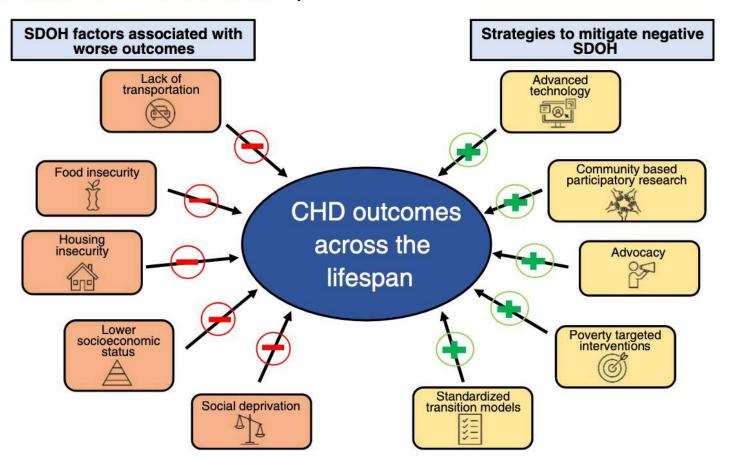
RACE AND ETHNICITY DISPARITIES (L. BREWER AND K. WATSON, SECTION EDITORS)



Applying Interventions to Address the Social Determinants of Health and Reduce Health Disparities in Congenital Heart Disease Patients

Bianca Cherestal¹ · Zuri Hudson¹ · Keila N. Lopez²

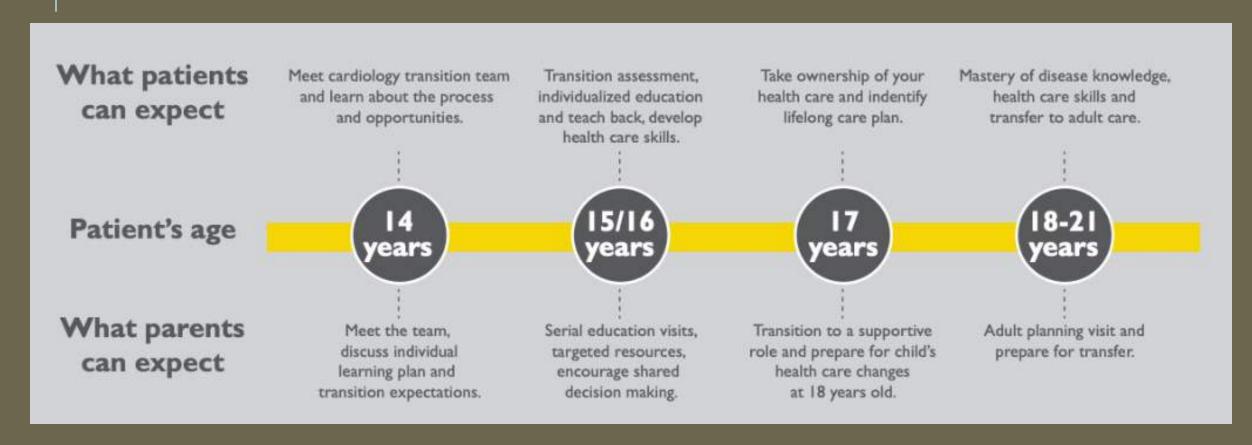
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TEXAS CHILDREN'S HOSPITAL CARDIOLOGY TRANSITION PROGRAM INTERVENTION





OUTCOMES FROM 2019-2021:

Independent of age, serial transition in-person visits are associated with **higher** patient knowledge and transition skills scores

Transition programming may lead to increased patient retention

- Prior to transition program (2012-2016) \rightarrow 27.8% pts retained
- After initiation of the transition program (2017-2021) \rightarrow 86.5% pts retained







Too often health equity is looked at as a vague commitment rather than as a business problem with defined objectives.



