

# Sixth Annual World Health Continuing Medical Education Conference

# Health Disparities Impacting Global and Local Caribbean Populations

# June 16–17, 2023

Hyatt Centric Arlington 1325 Wilson Blvd. Arlington, VA

Provided by Healthfirst, Howard University College of Medicine, and MediNova







# Role of an NGO in Improving Outcomes in Low-Middle Income Caribbean Nations

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Chair, Research and Education Team Reach Within www.reachwithin.org

# **Purpose and Objectives**

#### **OBJECTIVES**

- 1. To show how historic trauma, social determinants of health, developmental origin of health and disease and adverse childhood experiences are intimately and intergenerationally related.
- 2. To show how societal, community and individual developmental health and outcomes are shaped by past and present experiences
- 3. To demonstrate the importance of positive relationships in protecting against and/or mitigating adversity and improving outcomes
- 4. To show how an NGO working with a bottom-up therapeutic relationship building approach can effect positive changes

FINANCIAL DISCLOSURE

Do you have a financial disclosure? None

## GRENADA

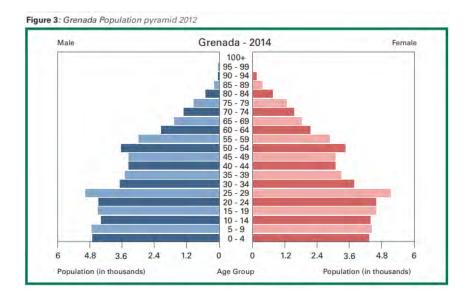
Grenada Population (as of 4/30/2023) 126,053

<u>Grenada</u> is a small island nation that is comprised of the island of Grenada and six smaller islands at the south end of the Grenadines in the <u>Caribbean</u> Sea, northeast of <u>Venezuela</u>. Grenada is known as the "Island of Spice" for its production of mace and nutmeg. It's one of the world's leading exporters of these spices. Grenada's population has remained fairly flat for decades, in part due to the country's high migration rate as young people leave the country for nearby Caribbean islands and countries like the <u>United States</u> and the <u>United</u> <u>Kingdom</u>.

About 82% of Grenada's people are descended from African slaves brought to the islands by the French and English, although a small number are indigenous Arawak and Carib people who survived the French purging. There is also a small number of descendants of indentured workers from India who were brought to the island between 1857 and 1885. Grenadians of Indian descent account for the second largest ethnic group in the country. There is also a community of English and French descendants, with the remaining 13% of the population comprised of people of mixed descent.

Grenada has a high migration rate and there are at least 110,000 Grenadine-born people in other areas of the Caribbean like <u>Barbados</u> and at least this number again in other countries, particularly <u>London</u>, <u>New</u> <u>York</u> City, <u>Australia</u> and Toronto. Only about 30% of people born in Grenada remain in the country.

Grenada Population 2023 (Live) (worldpopulationreview.com)



SITUATION ANALYSIS OF CHILDREN IN GRENADA

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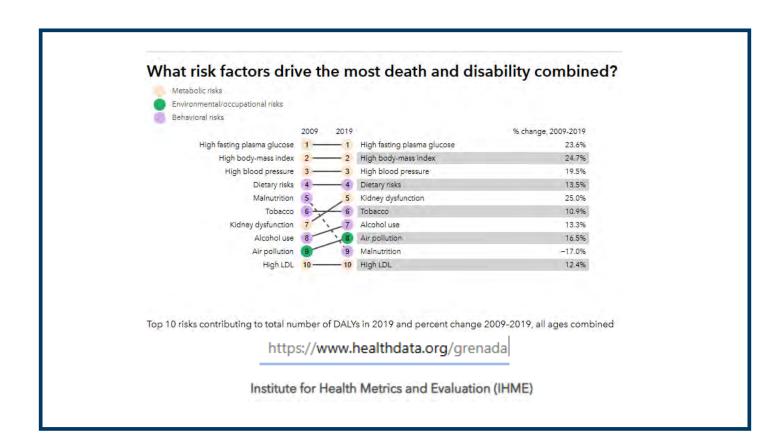
Though it is situated to the south of most hurricanes' tracks, Grenada was hit in 1955 (Hurricane Janet), 1999 (Hurricane Lenny), 2004 (Hurricane Ivan) and 2005 (Hurricane Emily). Although Hurricane Janet was devastating, Hurricane Ivan is generally considered to have been the worst hurricane to hit Grenada in recent memory.

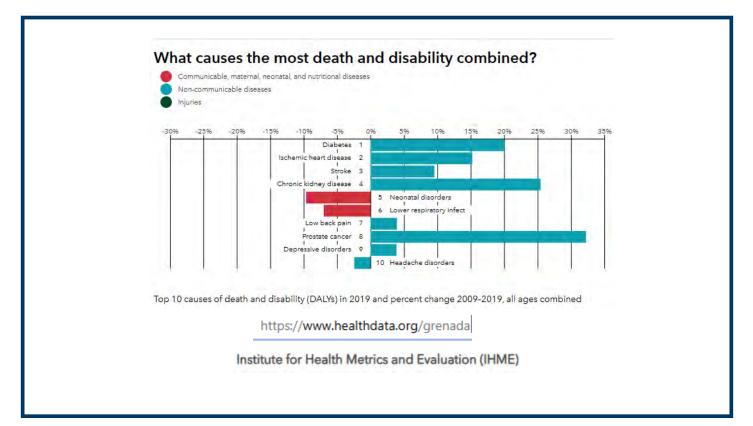
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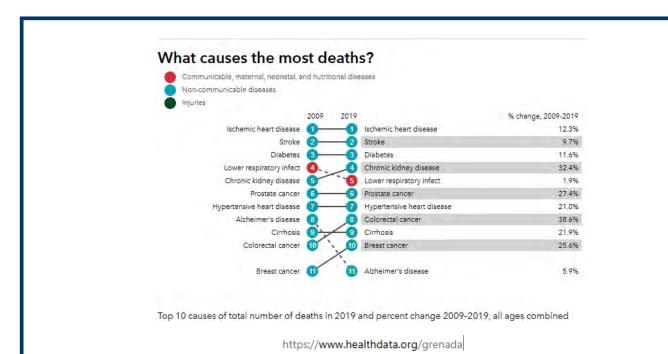
Alcohol consumption is a problem in Grenada, with the total adult per capita consumption reported at 12.5 litres annually in 2014, double the world average of 6.2 litres and higher than the average of 8.4 in the Americas. Moreover, the prevalence of heavy drinking episodes was 4.5 per cent among 15-yearolds and older – although 9.2 per cent when only drinkers were taken into account (p70).

	Males	Females	Total
Diabetes	7.4%	12.1%	9,8%
Overweight	48.2%	61,9%	55.0%
Obesity	16,9%	32.3%	24.6%
Physical inactivity	22.9%	37.4%	30.2%

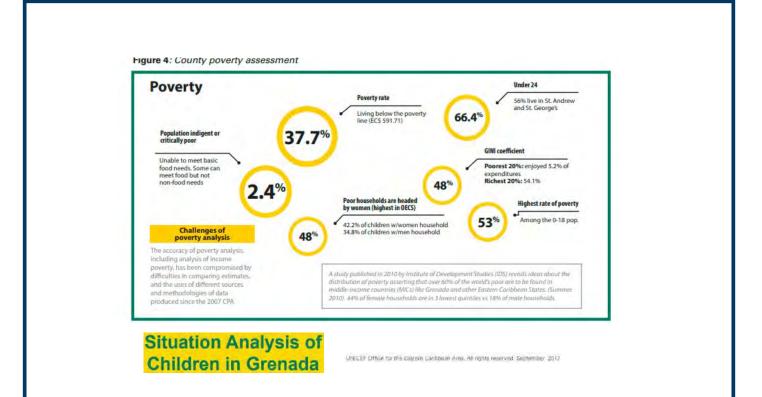
Source: WHO 2016.







- The 2008 CPA (Country Poverty Assessments) reported that 37.7% of the population were poor (below poverty level), while 14.6% were deemed vulnerable or sufficiently close to the poverty line than any event or shock would make them susceptible to falling into poverty The lives of children are overwhelmingly more affected than those of adults by the discrimination and marginalization they endure as a result of deprivation and poverty. The shame, abuse, psychological stress, exclusion and stigma they experience diminish their self-esteem, confidence and ability to function socially, often leaving psychological footprints deeply affecting their personal growth and development (p33).
- With 48 per cent of all poor households headed by single women, Grenada has the highest percentage of female headed households recorded in the OECS. Forty-four per cent of urban households headed by women are found in the poorest quintiles compared to only 18 per cent for men. One in every two Grenadian children lives in poverty, with 39.3 per cent of the poor found in the 0–14 years of age group (compared to 29.4 per cent of the non-poor). (34)
- Young people between the ages of 15 and 25 experience the highest unemployment rates in Grenada and the Caribbean in general. A CDB study released in 2015 identifies an acute unemployment problem for youth (18–24), who make up a quarter of the region's population. It shows a rate of 25 per cent among youth compared to 8 per cent among adults, with unemployment among young females (30 per cent) considerably higher than young males (20 per cent). (p35)

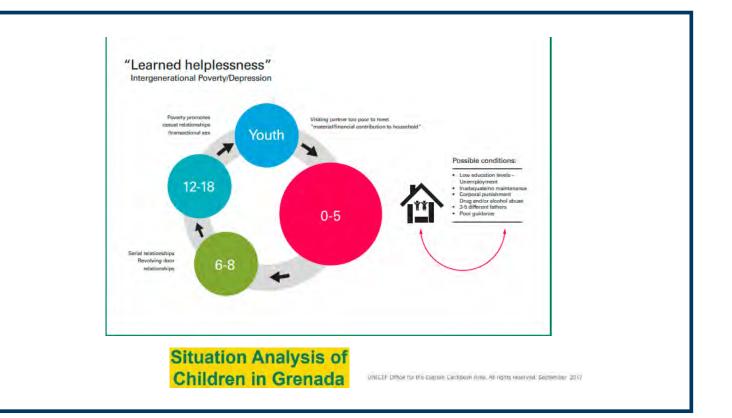


- High unemployment and underemployment rates among women carry significant implications for the 48 per cent of the country's poor households headed by women.
- With 42.2 per cent of Grenada's children living in poor households headed by women (compared to 34.8 per cent among male-headed poor households), unemployment of women has a profound effect on children. (p35)
- As women generally support larger households than men, they are more at risk of becoming or remaining poor. They carry greater responsibilities for caring for and the maintenance of the family. These poor households tend to have three or more children in addition to one or two extended family members, including other working age adults. (p35)
- These households are also characterized by low levels of education (26.6 per cent of heads of poor households attended only primary school and 61.7 per cent received secondary education), low school attendance rates among the children living in the household, children fathered by multiple men, inadequate adult guidance and support for children and limited access to basic health care. Most men engaging with female-headed households prefer a 'visiting relationship', leaving parenting to the woman. Many poor women living in this scenario resort to survival strategies that may include illegal activities and/or transactional sex. (p35)

Typically, these poor households headed by single women support prime conditions for inter-generational poverty to take hold, promoting a 'learned helplessness'. Sexual and gender-based violence and drug and alcohol abuse are more likely to occur in these households as opposed to non-poor households with common-law or married couples. Poverty promotes casual or dysfunctional relationships as single women pursue men who can bring monetary contributions to the household, evolving into 'revolving door hook-ups' and transactional sex. With a change in partners, the chances of pregnancy increase, adding to the already overwhelming responsibilities of the growing household. (p35-36)
Children in these households are seriously affected by these conditions in different ways depending on their age group and sex. Dysfunctional mating patterns and early pregnancies may lead to the girl child repeating the cycle of poverty that traps the single mother heading the household. (p36)

SITUATION ANALYSIS OF CHILDREN IN GRENADA

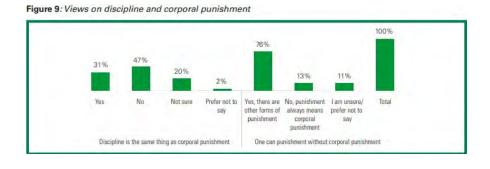
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Who is perceived to be vulnerable in Grenada	What makes them vulnerable	How the vulnerability is manifested
Children (0-5) Harmful consequences are difficult to reverse in this age group.	<ul> <li>Physical and emotional neglect</li> <li>Abuse</li> <li>Malnutrition</li> </ul>	<ul> <li>Harmful behavioural patterns</li> <li>Slow cognitive development</li> <li>Poor socialization process</li> </ul>
Children (5–7) Removal of children from their biological homes is sometimes needed for protection and care.	<ul> <li>Miss out on connectedness to family and community</li> </ul>	<ul> <li>Poor socialization processes</li> <li>Face stigmatization that can have long-term effect on self-esteem</li> </ul>
Children (7-15)	<ul> <li>Poor health and nutrition results in poor school attendance</li> </ul>	Poor performance in school. Drop out
Adolescent girls and boys (15-19) This group represents a major opportunity for the future of Granada. Children in conflict with the law	<ul> <li>Girls at risk of sexual violence, abuse</li> <li>Boys at risk to drop out of school w/ out certificate</li> <li>Both at risk to engaging in harmful and risky behaviours</li> <li>Out-of-school and out-of-work</li> <li>Risk of life-long negative effect: no second chance, no higher level aducation due to absence of diversion programme</li> </ul>	Teen pregnancy     Unemployment     Marginalization     Non-participation     Substance abuse     Crime     Early parenting     Recidivism     Unemployment     Economic vulnerability
Children of migrant families	Low social status associated with situation of parent in country (low paid, low skills, language barrier) Parental absence Lack of legal status/appropriate documentation to access social services Separation from extended family and culture Language barrier	<ul> <li>Stigma</li> <li>Poor academic performance</li> <li>Comparative difficulty for social inclusion</li> </ul>

In May 2014, UNICEF conducted a social survey on attitudes to corporal punishment, in Grenada. It involved face-to-face interviews with 600 adult men and women. The results provide a valuable basis for understanding practices, experiences and attitudes towards corporal punishment, (p55).



SITUATION ANALYSIS OF CHILDREN IN GRENADA

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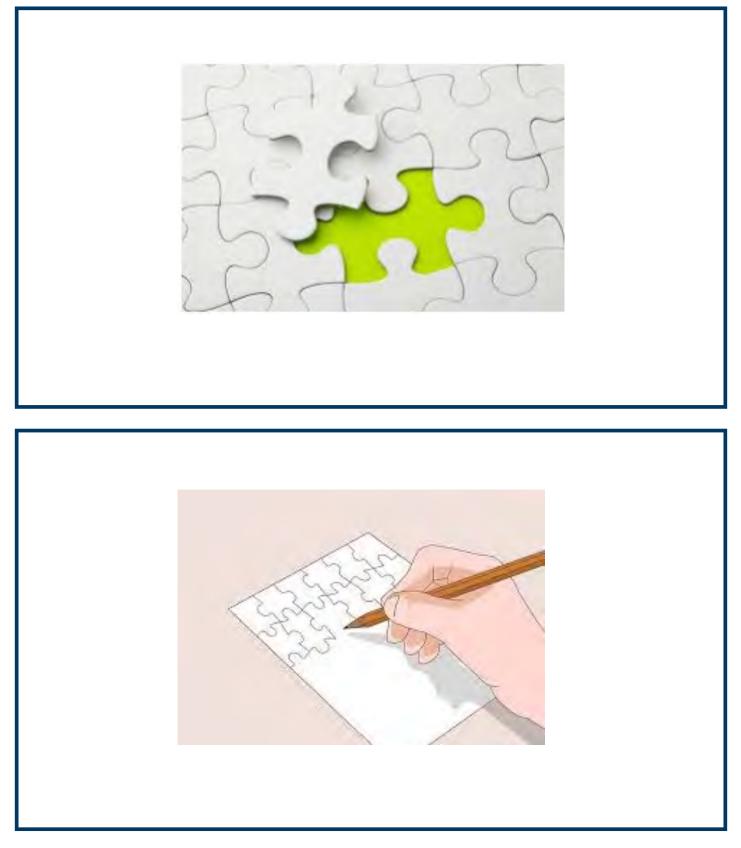
Name of the facility	Cohort	
Father Mallaghan Home for Boys (St. Marks)	Boys 12-18 years	
Government of Grenada Emergency Shelter for Children (St. George's)	Girls 0-18 Years	
Queen Elizabeth Home (St. George's)	Children 2-12 years	
Dorothy Hopkin Centre (St. George's)	Children and adults with disabilities	
Bel Air Home (St. George's)	Children Boys: 0-8 years Girls: 0-12 years (girls allowed to stay until 18 years	

## Situation Analysis of Children in Grenada

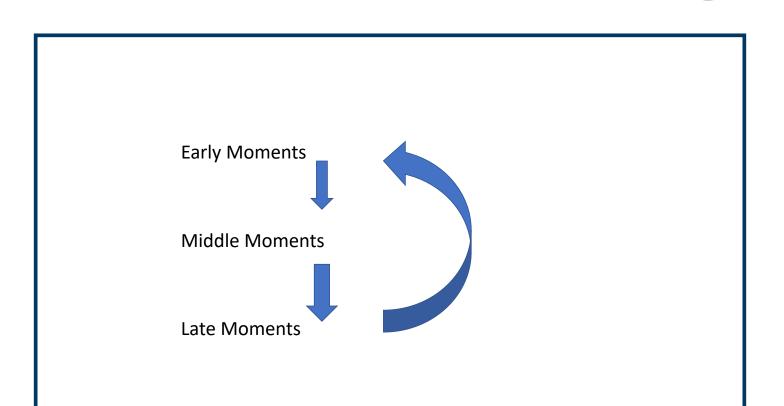
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- To encourage good parenting practices and early stimulation, the Government has funded the Roving Caregivers
  Programme (RCP) for many years, allocating nearly EC\$1 76 million in 2016. Such interventions highlight the importance of
  making the child a priority within the family setting while boosting the demand for ECD services. The improvement of
  parenting skills is essential, and the RCP is intended to provide early childhood stimulation to high-risk children from birth
  to 3 years using a model of home visitation intervention that focused on parent(s)- child interaction. The Rovers reach rural
  children, many of whom are in families that cannot afford day care or do not understand the importance of providing
  proper care and stimulation for ECD. Caregivers, or 'rovers', go from home to home to work with young children and
  parents, introducing them to developmentally appropriate child-care practices.
- The programme takes into account nutritional and disciplinary practices and parenting knowledge as they affect the family
  and children with a view to better prepare the child to meet standard growth and development milestones expected by
  pre-primary schooling. Rovers work in their home communities delivering routine home visits. The programme operates in
  all but two parishes and engages 90 full-time trained rovers. The RCP partnered with the Windward Islands Research and
  Education Foundation in 2014 to pilot efforts to reduce the practice of corporal punishment. (p44)
- The 2008 CPA attribute the dropouts and absences from schools to a number of causes, including: inability of parents to
  provide meals, transportation, textbooks, school fees, uniforms or examination fees for their children; teenage pregnancy;
  indiscipline by students at school; staying home to care for younger siblings; finding employment as a means of improving
  their quality of life; and low interest in the education curriculum. (p48)





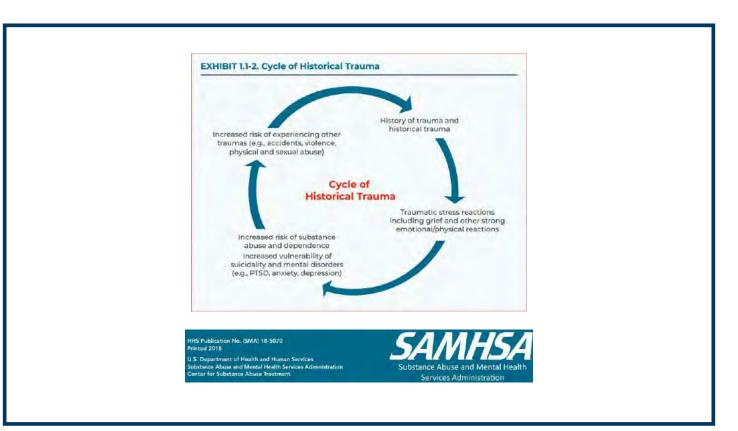
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- Historical trauma is intergenerational trauma experienced by a specific cultural group that has a history of being systematically
  oppressed.
- Current lifespan trauma, superimposed upon a traumatic ancestral past creates additional adversity.
- · Historical trauma can have an impact on psychological and physical health.
- Historical trauma is cumulative and reverberates across generations. Descendants who have not directly experienced a traumatic event can exhibit the signs and symptoms of trauma, such as depression, fixation on trauma, low self-esteem, anger, and selfdestructive behavior.
- People coming into systems of services and support from communities who have been subjected to historical trauma may believe the systems do not support them. They may experience triggers that are re-traumatizing.

https://www.acf.hhs.gov/trauma-toolkit/trauma-concept





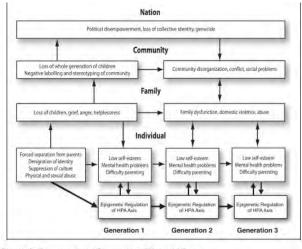


Figure 1. Transgenerational Transmission of Historical Trauma The diagram depicts some of the hypothetical pathways through which the effects of trauma and loss may be transmitted across generations through processes at multiple levels, including: epigenetic alterations of stress response; changes in individuals' psychological well-being, self-esteem, and self-efficacy; family functioning; community integrity and cultural identity; and the continuity of identity and collective efficacy of whole nations or peoples. (Adapted from Kirmayer et al., 2007). Transcenturel Psychiatry 2014, Vol. 31(2) 297-319, (5) The Austron(v) 2014 Reporter and permittation: cognitilian Mitjaurnal/Remounder and DOI: 10.1172/136461511526358 spalagemeticant (ISGASE)

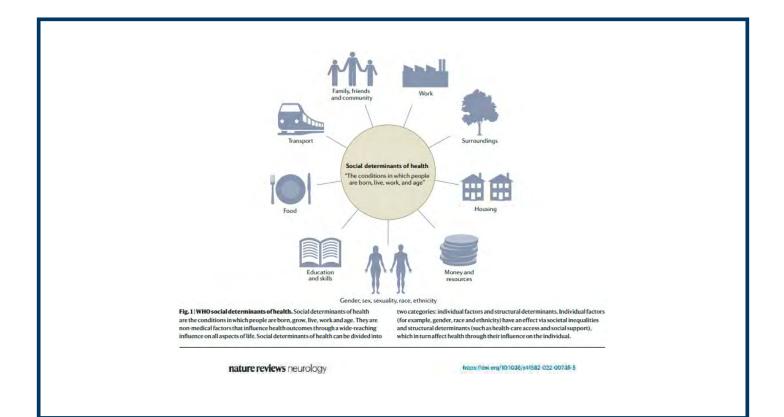
#### **Rethinking Historical Trauma**

Laurence J. Kirmayer McGill University

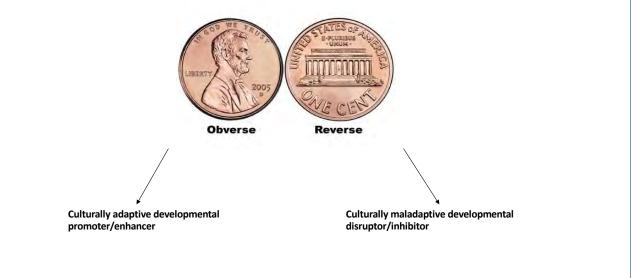
Joseph P. Gone

University of Michigan Joshua Moses

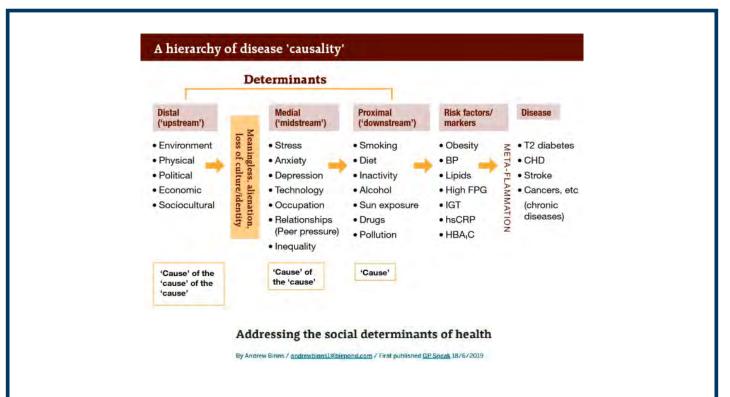
Haverford College

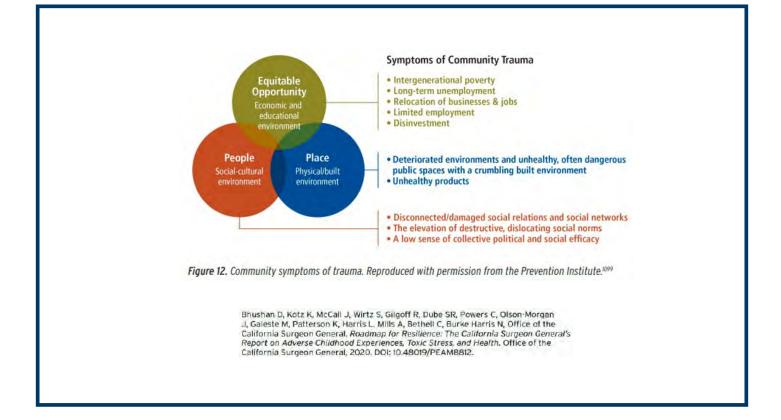


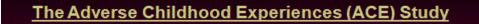
# SOCIAL DETERMINANT(S) OF HEALTH Opposite side(s) of the same coin











Examines the health and social effects of ACEs throughout the lifespan among 17,421 members of the Kaiser Health Plan in San Diego County

What do we mean by Adverse Childhood Experiences?

- -childhood abuse and neglect
- -growing up with domestic violence, substance abuse or mental illness in the home, parental discord, crime





## The ACE Study Adverse Childhood Experiences

Am J Prev Med. 1998 May, 14(4) 245-55.

Relationship of childhood abuse and household dysfunction to many of the leading causes of death in adults. The Adverse Childhood Experiences (ACE) Study.

Feiltli VJ<sup>1</sup>, Anda RF, Nordenberg D, Williamson DF, Spitz AM, Edwards V, Koss MP, Marks JS

Author Information

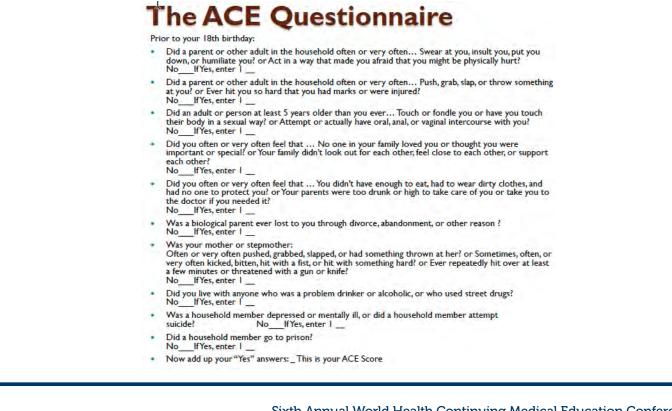
#### Abstract

BACKGROUND: The relationship of health risk behavior and disease in adulthood to the breadth of exposure to childhood emotional, physical, or sexual abuse, and household dysfunction during childhood has not previously been described.

METHODS: A questionnaire about adverse childhood experiences was mailed to 13,494 adults who had completed a standardized metical evaluation at a large HMO, 9,608 (70.5%) responded. Seven categories of adverse childhood experiences were studied, psychological, physical, or sexual abuse violence against mother, or living with household members who were substance abusers, mentally ill or suicidal, or ever imprisoned. The number of categories of these adverse childhood experiences was then compared to measures of adult risk behavior, health status, and disease. Logistic regression was used to adjust for effects of demographic factors on the association between the cumulative number of categories of childhood exposures (range 0-7) and risk factors for the leading causes of death in adult life

RESULTS: More than half of respondents reported at least one, and one-fourth reported > or = 2 categories of childhood exposures. We found a graded relationship between the number of categories of childhood exposure and each of the adult health nak behaviors and diseases that were studied (P < 001). Persons who had expenienced four or more categories of childhood exposure, compared to those who had experienced none had 4. to 12-fold increase in alcoholism, drug abuse, depression, and suicide attempt, a 2- to 4-fold increase in smoking, coor self-rated health, > or = 50 sexual intercourse partners, and sexually transmitted disease; and 1.4- to 1.6-fold increase in physical inactivity and severe obesity. The number of categories of adverse childhood exposures showed a graded relationship to the presence of adult diseases including ischemic heart disease, cancer, chronic lung disease, skeletal fractures, and inter disease. The seven categories of adverse childhood exposure were likely to have multiple health risk for later in life.

CONCLUSIONS: We found a strong graded relationship between the breadth of exposure to abuse or household dysfunction during childhood and multiple rak factors for several of the leading causes of death in adults.





Demographic information is from the entire ACE Study sample (n=17,337).

Demographic Information for CDC-Kaiser ACE Study Participants, Waves 1 and 2.

Demographic Information	Percent (N = 17,337)
Gender	
Female	54.0%
Male	46.0%
Race/Ethnicity	
White	74.8%
Hispanic/Latino	11.2%
Asian/Pacific Islander	7.2%
African-American	4.5%
Other	2.3%
Age (years)	
19-29	5.3%
30-39	9.8%
40-49	18.6%
50-59	19.9%
60 and over	46.4%
Education	
Not High School Graduate	7.2%
High School Graduate	17.6%
Some College	35.9%
College Graduate or Higher	39.3%

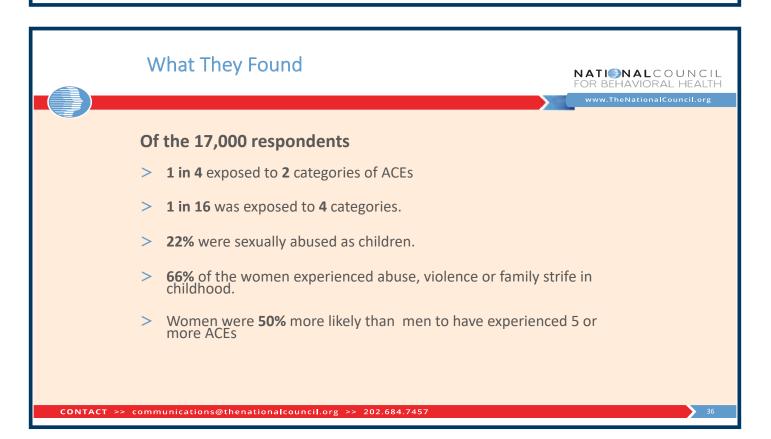
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https://www.pacesconnection.com/blog/got-your-ace-resilience-scores

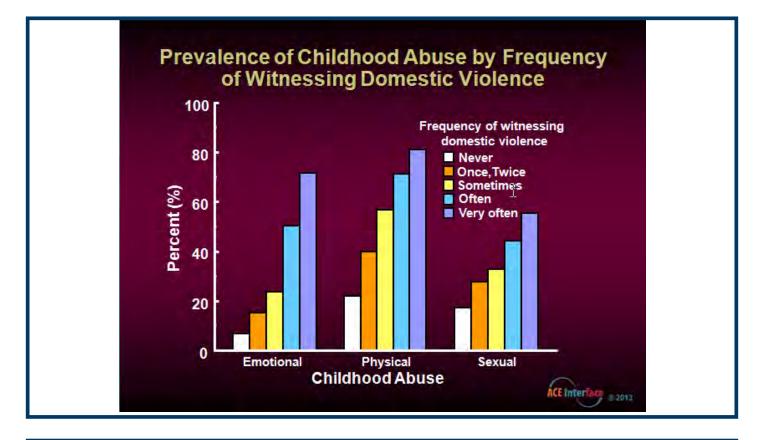
ACE Score Prevalence for CDC-Kaiser ACE Study Participants by Sex, Waves 1 and 2.

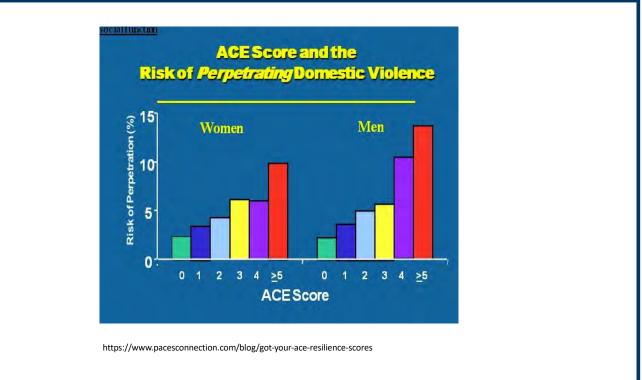
Number of Adverse Childhood Experiences (ACE Score)	Women Percent(N = 9,367)	Men Percent (N = 7,970)	Total Percent (N = 17,337)
0	34.5%	38.0%	36.1%
1	24.5%	27.9%	26.0%
2	15.5%	16.4%	15.9%
3	10.3%	8.5%	9.5%
4 or more	15.2%	9.2%	12.5%

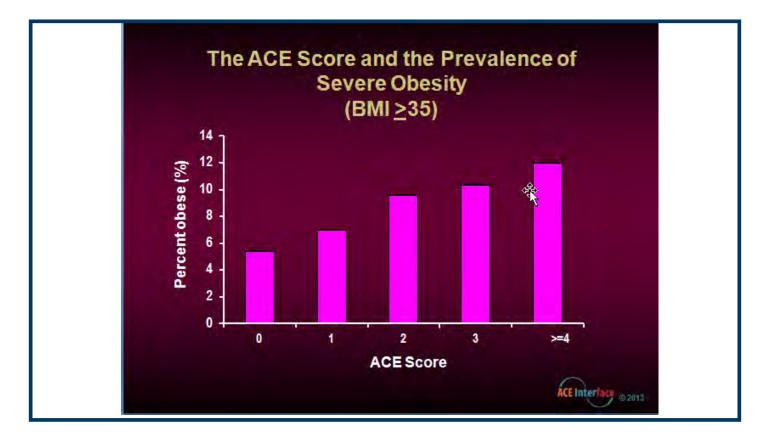
https://www.pacesconnection.com/blog/got-your-ace-resilience-scores

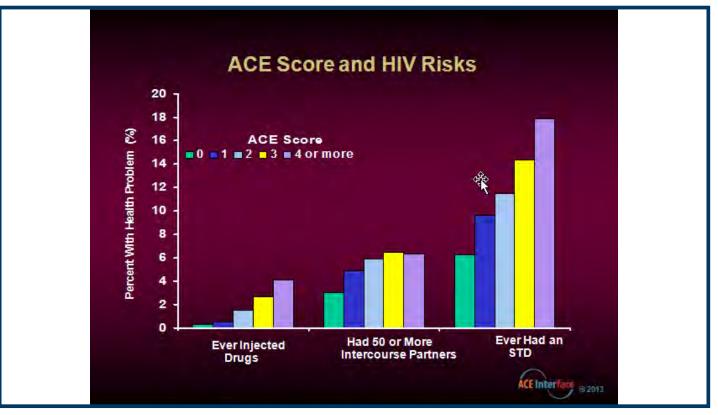




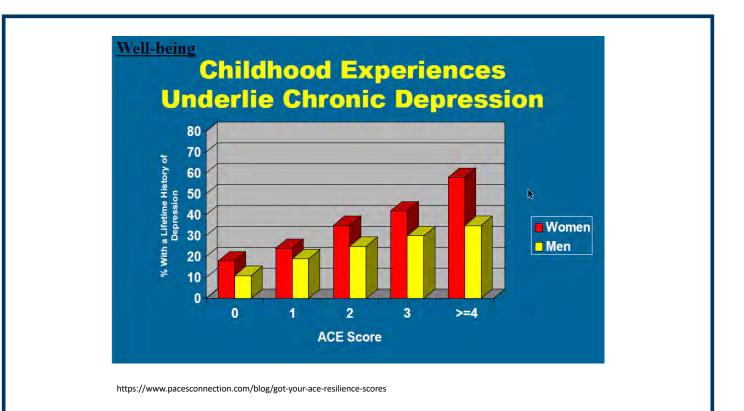


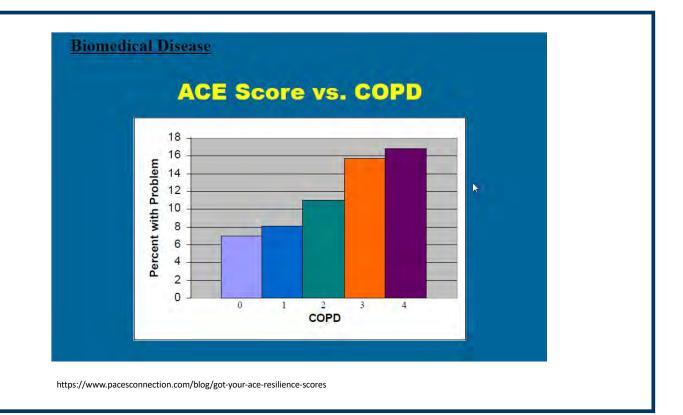


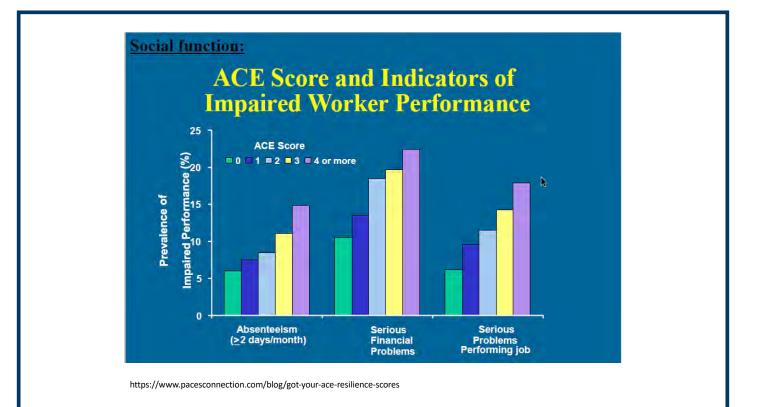


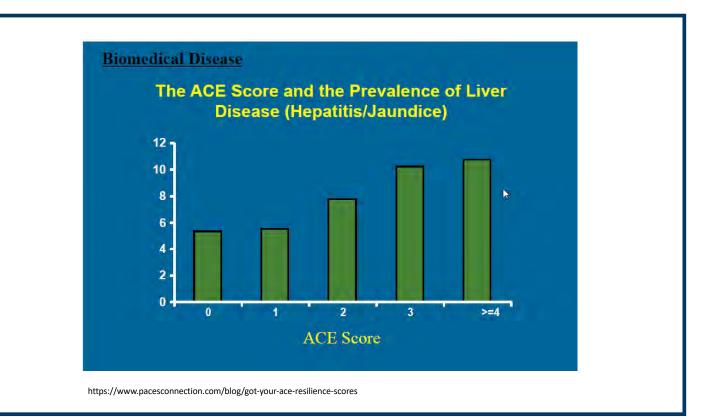


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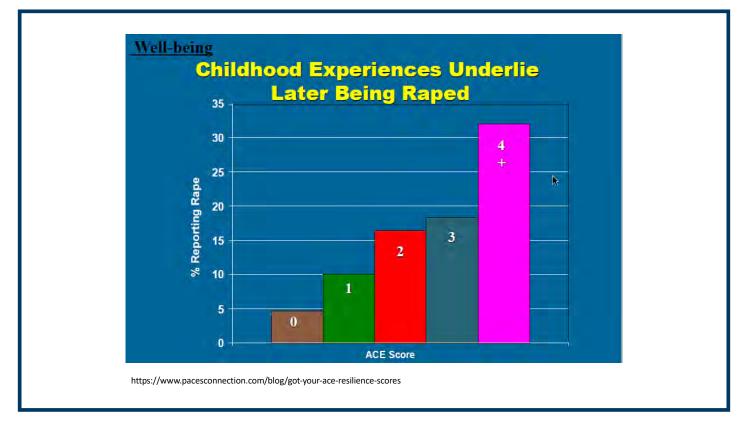


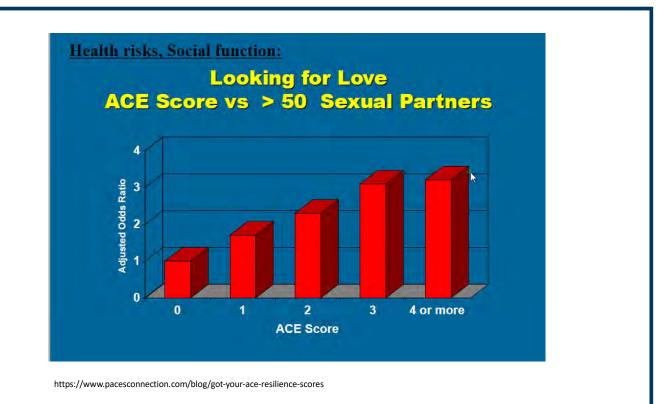


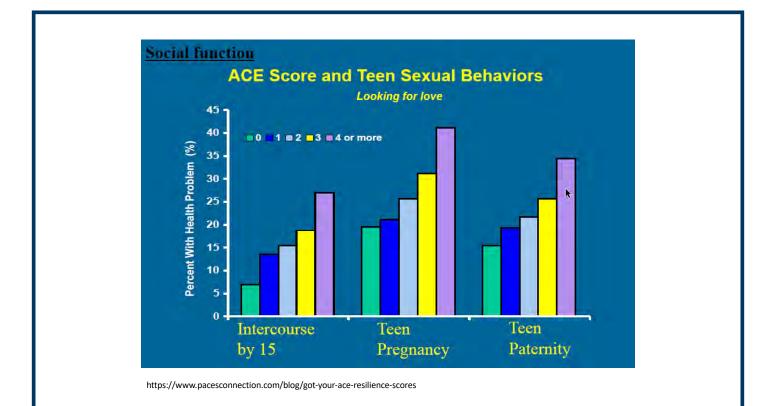


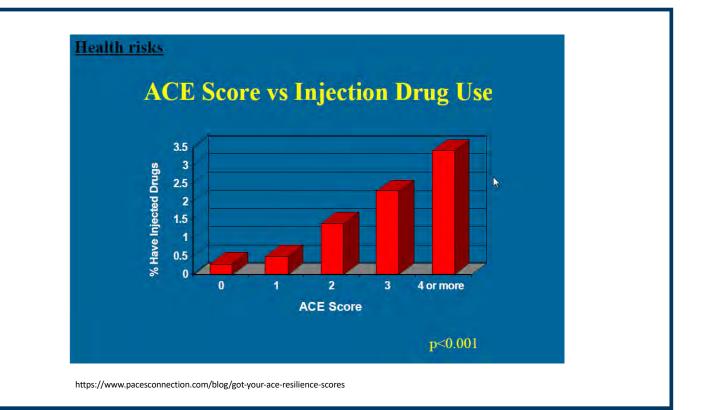




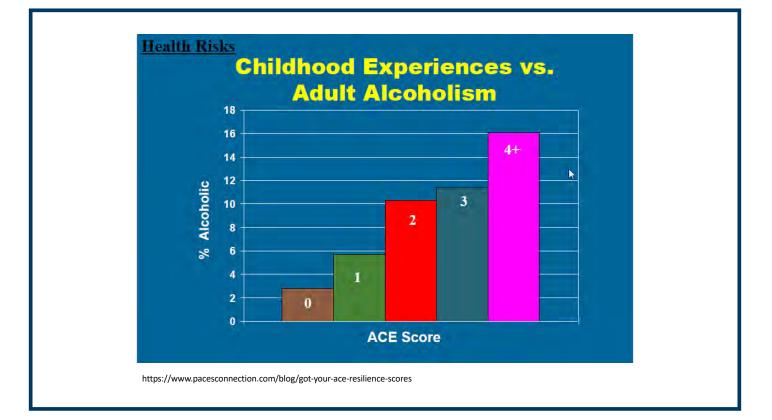


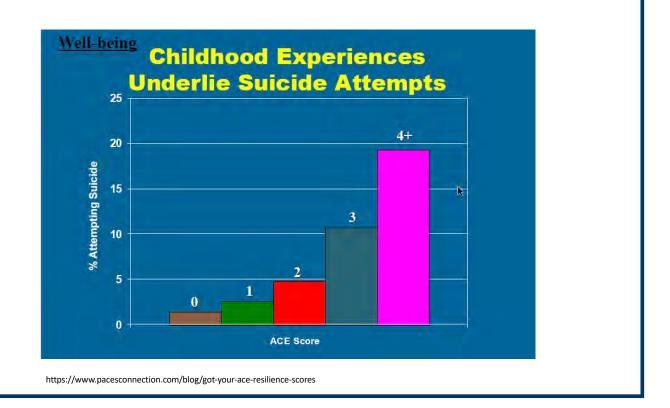


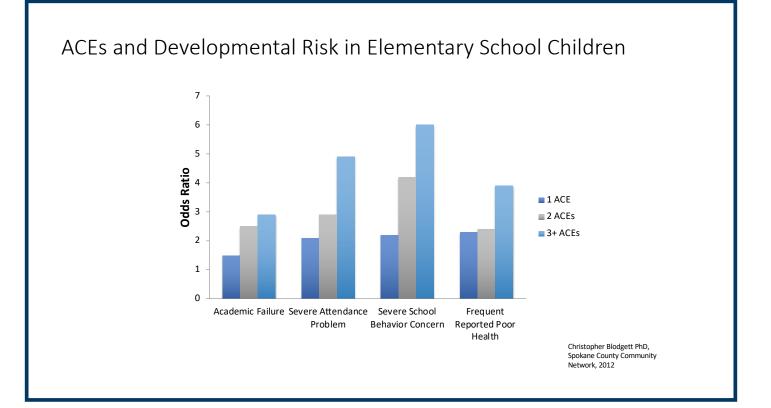


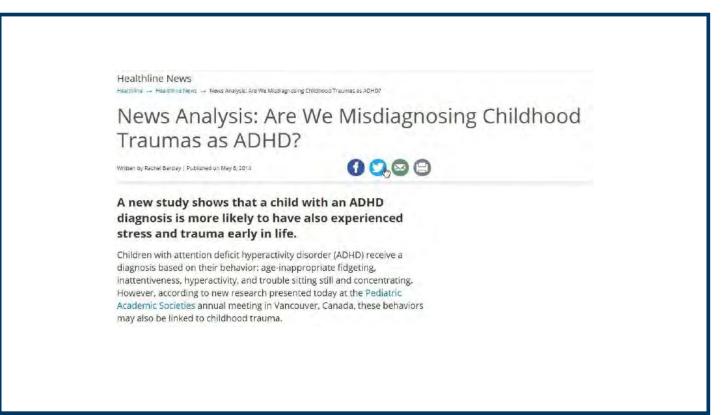


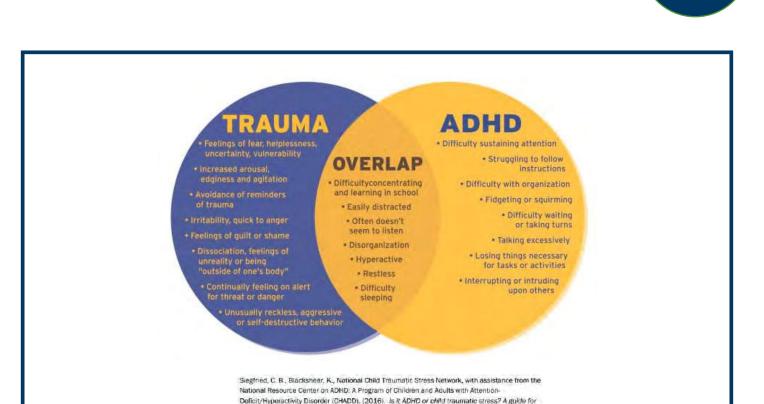












Clinicians. Los Angeles, CA & Durham, NC: National Center for Child Traumatic Stress.

## 18-29 year olds

With **no ACEs 3%** had hit someone in the last 12 month

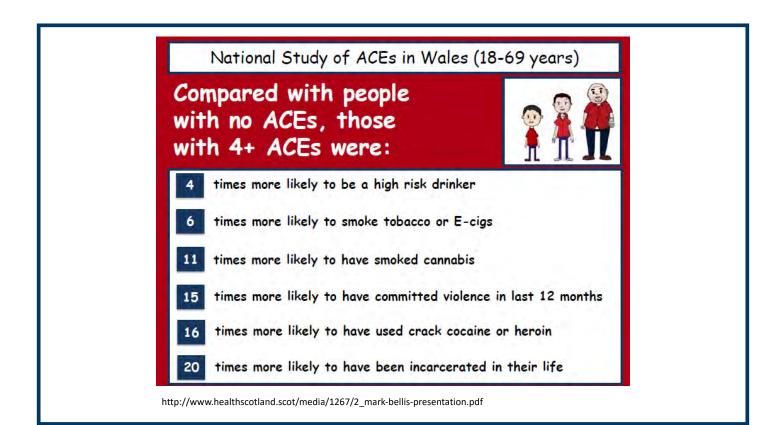
With **4 or more** ACEs 30% had hit someone in the last 12 month

# 

Chronic Stress from ACEs

- Violence over-develop 'life-preserving' brain
- School anxious, disengaged, poor learner

http://www.healthscotland.scot/media/1267/2\_mark-bellis-presentation.pdf



## Scottish Public Health Network Report May 2016 "The out



of adverse childhood experiences is compelling, as is the case for action from a moral and financial perspective at an individual level and to prevent the repeated <u>cycle of</u> intergenerational transmission."

"The evidence of impact

https://www.scotphn.net/projects/adverse-childhoodexperiences/introduction/

## Adverse Childhood Experiences and Adult Well-Being in a Lowincome, Urban Cohort

Alison Giovanelli, MA, Arthur J. Reynolds, PhD, Christina F. Mondi, BA, Suh-Ruu Ou, PhD

**OBJECTIVE:** This study tests the association between adverse childhood experiences (ACEs) and multidimensional well-being in early adulthood for a low-income, urban cohort, and whether a preschool preventive intervention moderates this association.

METHODS: Follow-up data were analyzed for 1202 low-income, minority participants in the Chicago Longitudinal Study, a prospective investigation of the impact of early experiences on life-course well-being. Born between 1979 and 1980 in high-poverty neighborhoods, individuals retrospectively reported ACEs from birth to adolescence, except in cases of child abuse and neglect.

**RESULTS:** Nearly two-thirds of the study sample experienced  $\geq 1$  ACEs by age 18. After controlling for demographic factors and early intervention status, individuals reporting ACEs were significantly more likely to exhibit poor outcomes than those with  $\geq 4$  ACEs had significantly reduced likelihood of high school graduation (odds ratio [OR] = 0.37; P < .001), increased risk for depression (OR = 3.9; P < .001), health compromising behaviors (OR = 4.5; P < .001), juvenile arrest (OR = 3.1; P < .001), and felony charges (OR = 2.8; P < .001). They were also less likely to hold skilled jobs (OR = 0.50; P = .001) and to go further in school even for adversity measured by age 5.

CONCLUSIONS: ACEs consistently predicted a diverse set of adult outcomes in a highrisk, economically disadvantaged sample. Effective and widely available preventive interventions are needed to counteract the long-term consequences of ACEs.

> To cite: Giovanelli A, Reynolds AJ, Mondi CF, et al. Adverse Childhood Experiences and Adult Well-Being in a Lowincome, Urban Cohort. *Pediatrics*. 2016;137(4):e20154016

#### abstract

Adverse Childhood Experiences Expanding the Concept of Adversity

Peter F. Cronholm, MD, MSCE, Christine M. Forke, MSN, CRNP, Roy Wade, MD, PhD, MPH, Megan H. Bair-Merritt, MD, MSCE, Martha Davis, MSS, Mary Harkins-Schwarz, MPH, Lee M. Pachter, DO, Joel A. Fein, MD, MPH

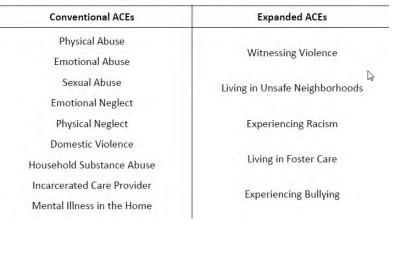
Introduction: Current knowledge of Adverse Childhood Experiences (ACEs) relies on data predominantly collected from white, middle- / upper-middle-dass participants and focuses on experiences within the home. Using a more socioeconomically and racially diverse urban population, Conventional and Expanded (community-level) ACEs were measured to help understand whether Conventional ACEs alone can sufficiently measure adversity, particularly among various subgroups.

Methods: Participants from a previous large, representative, community-based health survey in Southeast Pennsylvania who were aged  $\geq 18$  years were contacted between November 2012 and January 2013 to complete another phone survey measuring ACEs, Ordinal logistic regression models were used to test associations between Conventional and Expanded ACEs scores and demographic characteristics. Analysis was conducted in 2013 and 2014.

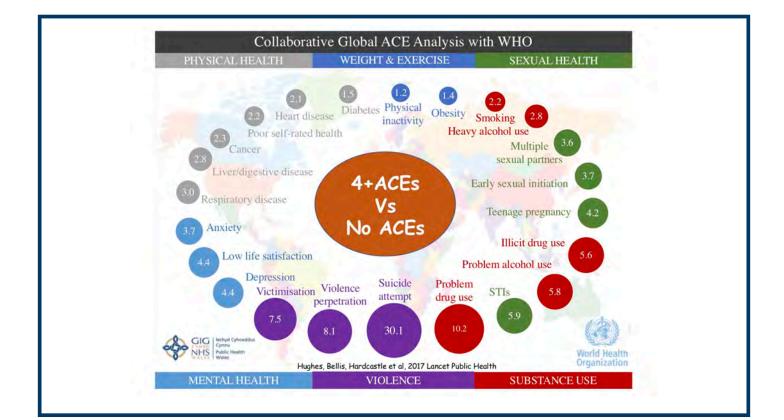
Results: Of 1,784 respondents, 72.9% had at least one Conventional ACE, 63.4% at least one Expanded ACE, and 49.3% experienced both. A total of 13.9% experienced only Expanded ACEs and would have gone unrecognized if only Conventional ACEs were assessed. Certain demographic characteristics were associated with higher risk for Conventional ACEs but were not predictive of Expanded ACEs, and vice versa. Few adversities were associated with both Conventional and Expanded ACEs.

Conclusions: To more accurately represent the level of adversity experienced across various sociodemographic groups, these data support extending the Conventional ACEs measure. (Am J Prev Med 2015;49(3):354–361) © 2015 American Journal of Preventive Medkine

## Philadelphia ACE Study Questions



Am J Prev Med 2015:49(3):354-361



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Symptom or health condition	For a x ACEs (compared with 0)	Odds ratio
Asthma	4	1.7-2.8
Allergies	4	2.5
Dermatitis and erzema	3*	2.0
Urticana	1.	22
increased incidence of chronic disease, impaired management	1	2.1
Any unexplained somatic symptoms (eg. nausea/vomiting, dizonesa, constipation, headacters)	÷	93
Heidaches	A	3.0
Enuresis, encapresis		
Overweight, obesity	-6	2.0
Failure to thrive, poor growth, psychosocial dwarfism	2	-
Ptau dental health	.4	2.8
Increased infections (viral, upper and lower respiratory trait, effections and previoring, acute offitis media, untrary trait infections, comunitaritis, infestinal	32.	1.4-2.4
Later menanche la 14 years)	.24	2.3
Sitep disturbances	51	PR1 3.1
Developmental delay	1	1.9
Learning and/or behaviour problems	-4	32.6
Repeating a year at school	-4	2.8
Not completing homework.	4	4.0
fligh school absenteerum	4	7.2
Graduating from high scheel	A.	0.4
Aggression, physical fighting	For each and thoras ACE	1.9
Depression	-6	3.9
Attention deficul/hyperactivity disorder (ADHD).	.4.	5,0
Any of ADHD, depression, antilety, conduct/behaviour disorder	j.	65
Suicidal ideasion		1.9
Suicide attempts	FOR BOK 0 AND DOD M ACE	1.9-2.1
Sell-Ham		1.8
First use of alcount at r14 years	-A.	6.2
First use of flipt drugs at (14 years	5	9,1
Fariy sexual denut (c15-17 years)	.4	3.7
Teonage pregnancy	4	6.7

#### (Includ) | BM/2020-371:m3048 | doi:10.1136/tenj.m3048

Table 2   ACE-associated health conditions in adults associated with adverse childhood	
experiences (ACE)	

Symptom or health condition	Odds ratio (excluding outliers)
Circlinescular disease (corosary energy damas), wyscardial induction, uchemic heart disease)	21
Tazkowaedła	al ACE: ( a
Stephe	10
Chronic obstructive palmonary disease (emphysema, branchiles)	3.1
Astrona	2.2
Dabites	1.4
Obesity	2.1
Hepatitis or jaundice	24
Cancet, any	2.1
Animma, with reporting	TACEs, Razand Initio+1.5. ust ACE, 1.1
Memory impliment (all causes, including dementias)	49
Kidney disease	1.7
rhadarhes	= 5 ACEs: 2.1
Oversix pairs, any Justing training a security	1.2
Ononic back pain (using trauma z-score)	1.1
Foromyalga	+TACE DB
Unexplayed somethe symptoms, including sematic pain, headaches	2.6-2.7
Sweets foodure	16-2.6
Physical disability requiring assistive equipment.	1.0
Deptession	4.7
Statistic attempts	17.5.
Sciedal Nevilion	10.5
Sleep doturtunce	1.6
Anxiety	4.7
Panie and anishty	
Past-traunatic stress disorder	.4.5.
Wich drug use (any)	5.2
Injected drug, crack cocorne, or herdin tale	10.2
Aisholise	6.9
Giganitie or e-oguette use	ñ.1
Carrable use	11.0
Teen pregnancy	4.2
Security transmitted intertions, lifetime	5.9
Violence, withmittion (intimate partner violence, sexual antiduit)	7.5
Visikside propetation	nt.

(Jarlang | BM/ 2020;371:m3048 | doi:10.1136/bmj.m30481

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

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.

Methods in this systematic review and meta-analysis, we searched for studies in which risk data in individuals with ACEs were compared with these data in those without ACEs. We searched six electronic databases (MEDLINE CINAH, PyrCHVO, Applied Social Sciences Index and Metarcts, Criminal Justice Databases, and the Education Resources Information Center Jorquanitative studies published between Jan 1, 2090, and July 11, 2018, that reported risks of health-related behaviours and causes of IB health in adults that were associated with cumulative measures of ACEs (ie, number of ACEs), We included studies in adults in appliantons that did not have a high risk of ACEs, that had sample sizes of at least 1000 people, and that provided ACE pervalence data. We calculated the pooled RR for risk factors, flarmful acloud use, fillic drug uses, matteria, and depression associated with ACEs, RRs were used to estimate the population-arbitrabushie fractions [PAFs] of risk attribubable to ACEs and the fashing-adjusted life-years (DALS) and financial costs associated with ACEs. This study was prospectively registered in PROSPERO (CRD-2018090350,

Findings OF 4387 unique articles found following our initial search, after review of the titles (and abstracts, when the title was relevant), we assessed 880 (20%) full-text articles. We considered 221 (25%) full-text articles for inclusion, of tile was relevant), we assessed 380 (20% full-text articles. We considered 221 (25%) full-text articles for inclusion, of which 23 (0%) articles met all selection criteria for our meta-analysis. We found a podel prevaluere of 23-5% of individuale (95% C11 85-728-5) with one ACE and 18-7% (14-7-23-2) with two or more ACEs in Europe (from ten studies) and 03-4% of individuale (22-0-24-89) with one ACE and 03-5% (31-6-23-9) with two romer ACEs in north. America (from nine studies). Illicit drug use had the highest PAFs associated with ACEs of all the risk factors assessed in both regions (41-1%). In Europe 41-1% in north America, 10 aboth regions. PAFs of causes of ill health were highest for mental illness outcomes: ACEs were attributed to about 30% of cases of anxiety and 40% of cases of artifivatable to ACEs were substantially higher than for most other causes of ill health because of higher DALYs for this condition. Tatal annual costs attributable to ACEs were estimated to be USSS1 tillion in Europe and S748 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 present ACEs and moderate their effects are available. Rebalancing expenditure towards ensuring safe and nutruring childhoods would be economically beneficial and relieve pressures on health-care systems.



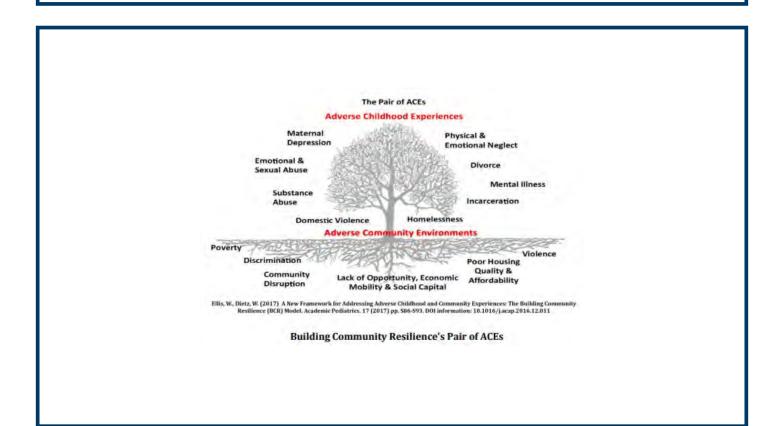
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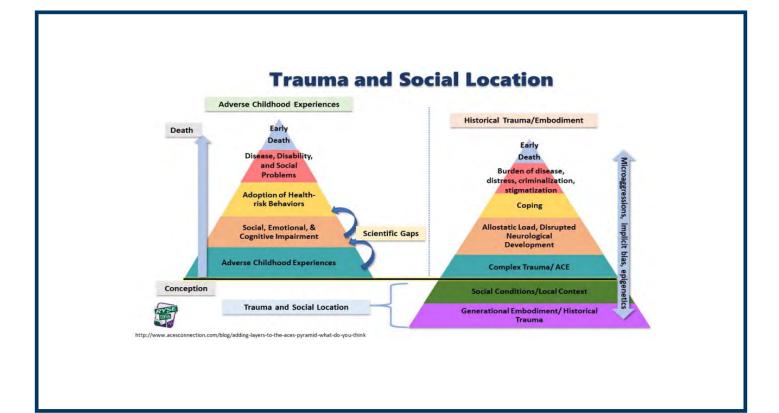
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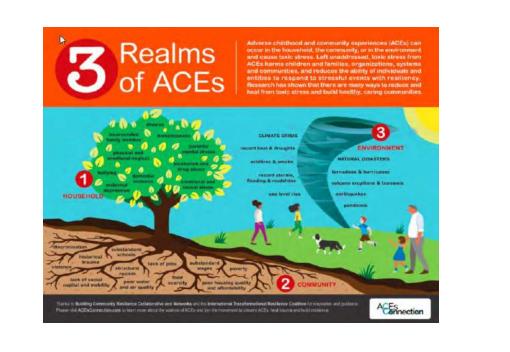
Health and financial costs of adverse childhood experiences ۵ 🕻 in 28 European countries: a systematic review and meta-analysis en Hughes, Kat Ford, Mark A Bellis, Freya Glendinning, Emma Harrison, Jonathan Pas oa Summary Background Adverse childhood experiences (ACEs) are associated with increased health risks across the life course. We aimed to estimate the annual health and financial burden of ACEs for 28 European countries. Lancet Public Health 2021; 6: e848-57 Methods In this systematic review and meta-analysis, we searched MEDLINE, CINAHL, PsycINFO, Applied Social Sciences Index and Abstracts, Criminal Justice Databases, and Education Resources Information Center for quantitative studies (published Jan 1, 1990, to Sept 8, 2020) that reported prevalence of ACEs and risks of health outcomes associated with ACEs. Pooled relative risks were calculated for associations between ACEs and harmful akohol use, smoking, illicit drug use, high body-mass index, depression, anxiety, interpersonal violence, cancer, See Controllering Centre of Investment for Health and Well-being, Public Health Wales, Wescham, UK (Prof K Hughes PhD, Prof Mark A Bellis DSc); Colle aman Sciences, Barigo ersity, Wresham, UK type 2 diabetes, cardiovascular disease, stroke, and respiratory disease. Country-level ACE prevalence was calculated using available data. Country-level population attributable fractions (PAFs) due to ACEs were generated and applied to 2019 estimates of disability-adjusted life-years. Financial costs (US\$ in 2019) were estimated using an adapted (K Ford PhD, F Glandine (K rod HVC) F Gambring H E Harrison HYD); Psychology Department, Glyndwr University, Wreoham, UK (E Harrison); WHO Regional Office for Europe, United Nations Campus, Bonn, Germany () Pascroce WHI) human capital approach. Findings In most countries, interpersonal violence had the largest PAFs due to ACEs (range 14·7–53·5%), followed by harmful alcohol use (15·7–45·0%), illicit drug use (15·2–44·9%), and anxiety (13·9%–44·8%). Harmful alcohol use, smoking, and cancer had the highest ACE-attributable costs in many countries. Total ACE-attributable costs ranged from 50·1 billion (Montenergo) to 5129·4 billion (Germany) and were equivalent to between 1·1% (Sweden and Turkey) and 6·0% (Ukraine) of nations' gross domestic products. rol Mark A Bellis O Collab Who constructing Lance of Investment for Health and Well-Leving, Public Health W Whoham, LL33 7VP, UK m.a.belling/bangor.ac.uk Interpretation Availability of ACE data varies widely between countries and country-level estimates cannot be directly compared. However, findings suggest ACEs are associated with major health and financial costs across European countries. The cost of not investing to prevent ACEs must be recognised, particularly as countries look to recover from the COVID-19 pandemic, which interrupted services and education, and potentially increased risk factors for ACEs

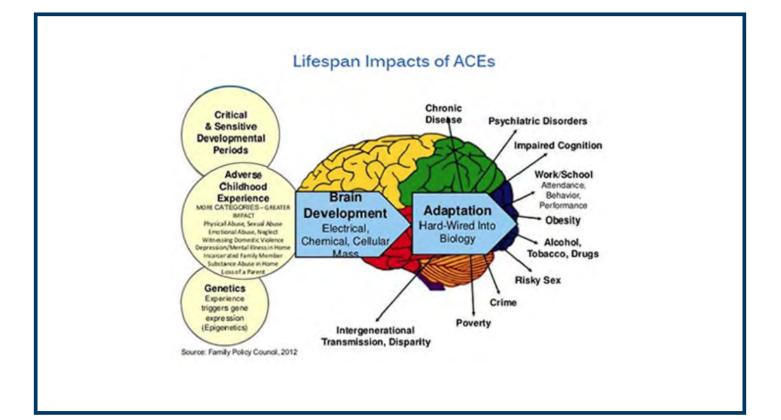


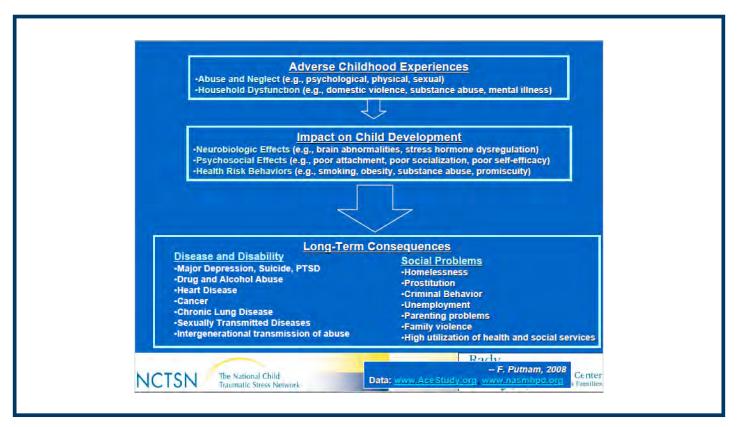
#### ACEs Diagram Increased incidence of isolation, unemployment; chronic disease, and early death Early TIPERS Truancy, suspension, drop-out, STD, pregnancy, special ulsaburity education, Juvenile justice involvement social problem Smoking, substance abuse, sexual behavior, overeating, acation of highoverachieving, absenteeism, bullying or aggression itn beh Grade failure, low standardized test score, language oc al. millional. difficulties; attention, focus, and behavioral problems Adverse Childhood Experiences (ACEs) Abuse, household dysfunction, violence upt neurodevelopn Age Experience in life, health, well-being ACE Study Model The Adverse Childhood Experiences study suggests that adverse events in childhood can demonstrate negative Influences on key factors of health and well-being over an individual's lifespan. Image: www.behavioral.net











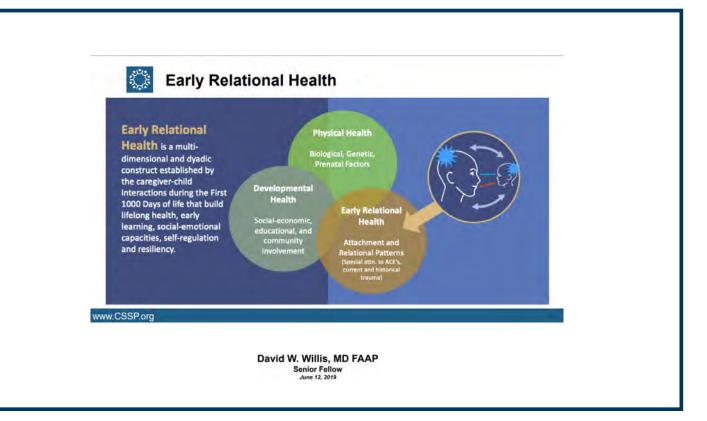
Sixth Annual World Health Continuing Medical Education Conference

What is Infant & Early Childhood Mental Health?

The developing capacity from birth to 6 "to experience, regulate, and express emotions; to form close relationships; and to explore the environment and learn"<sup>1</sup> — all in the context of family, community, and cultural expectations for young children.

An infant, toddler and young child's mental health is every part as important as their physical health. Mental health matters for the growth and maturity of the brain and body and for the social and emotional development of a person — now and for the whole lifetime.

<sup>1</sup> The Center on the Social Emotional Foundations for Early Learning. Infant Mental Health and Early Care and Education Providers. Vanderbit University, retrieve from: http://cselel.vanderbit.edu/documents/s, infant\_mental\_health.pdf





### What is Early Relational Health?



Early Relational Health is the state of emotional well-being that grows from the positive emotional connection between babies and toddlers and their parents/caregivers when they experience strong, positive, and nurturing relationships

with each other. Early Relational Health is foundational to children's healthy growth and development and their parents'/caregivers' sense of competence, connection, and overall well-being. These resilient and enduring relationships also help to protect the family from the harmful effects of stress.

Suggested citation: Center for the Study of Social Policy (2022). How to Communicate Effectively About Early Relational Health: What It Is and Why It Matters A Messaging Guide. Retrieved from <a href="https://cssp.org/">https://cssp.org/</a>

# Human development expects early caregiving

- Caregivers provide safety, security, and regulation
- Without expected caregiving, species develops to enable independent survival

TSN

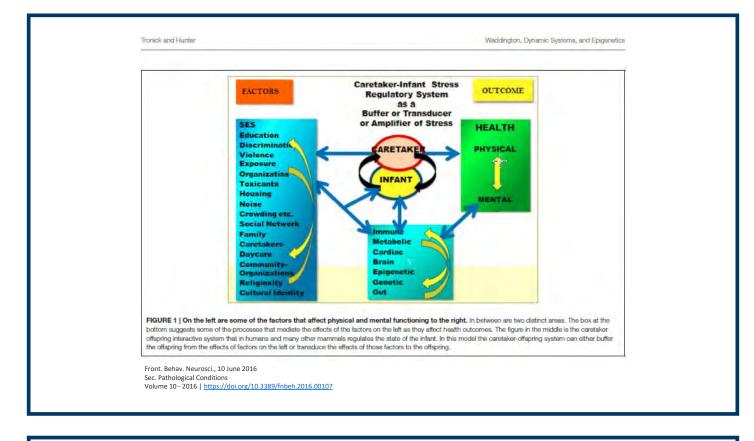
 short term adaptation with long-term costs

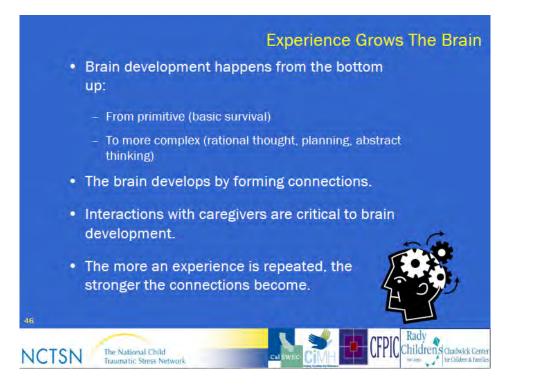


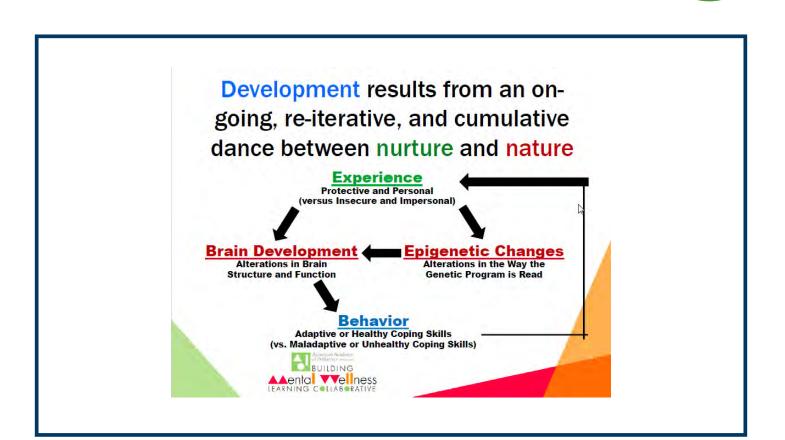
Image credit: Yamasaki, Getty

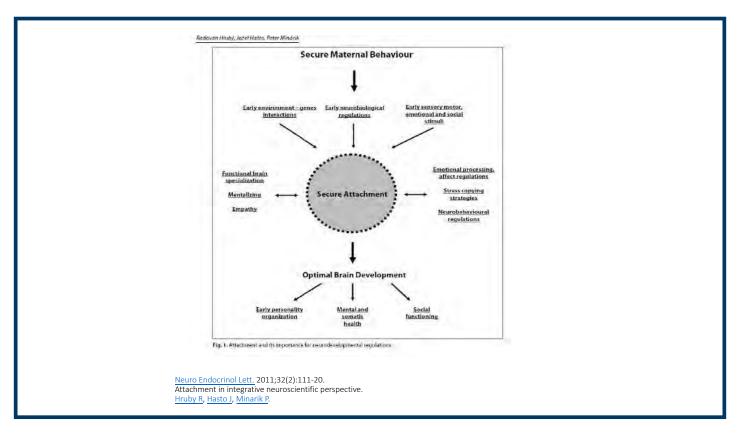
The National Child Traumatic Stress Network



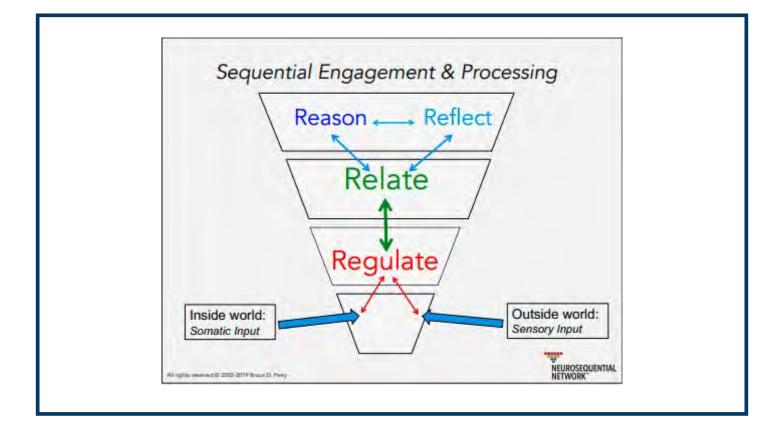


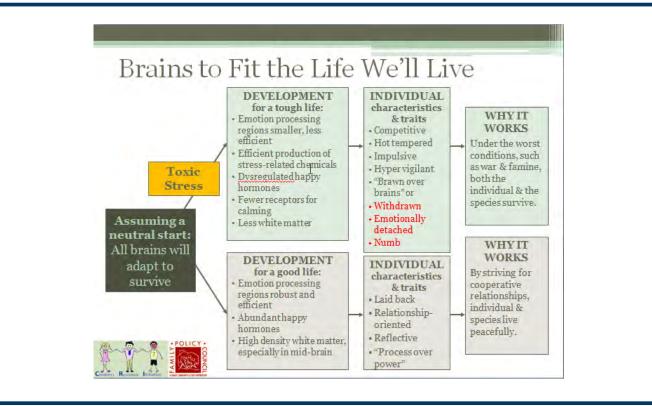


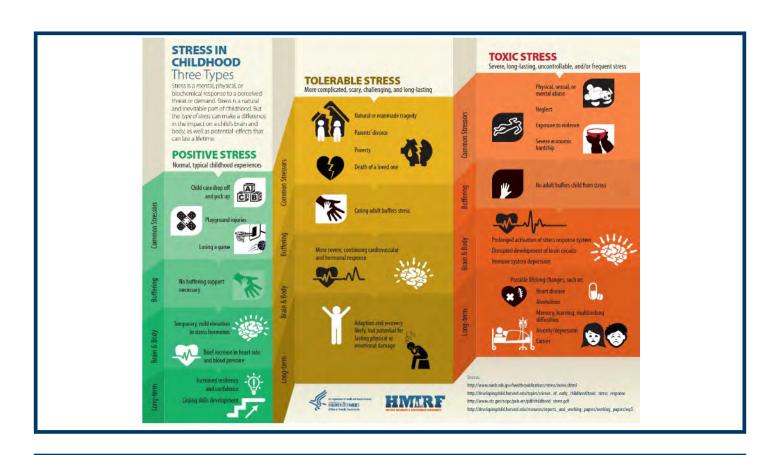










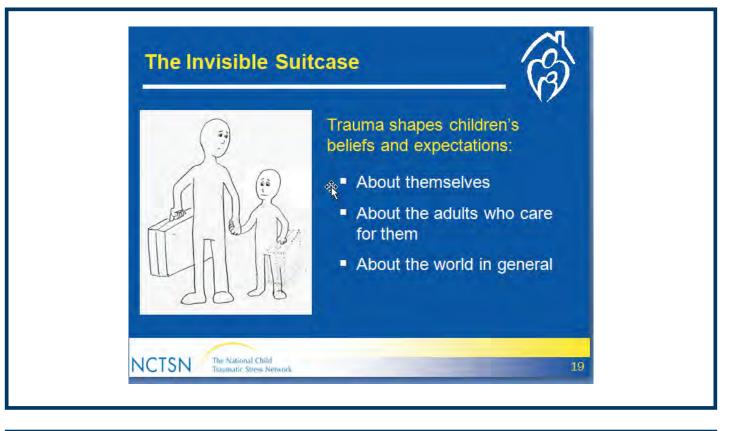


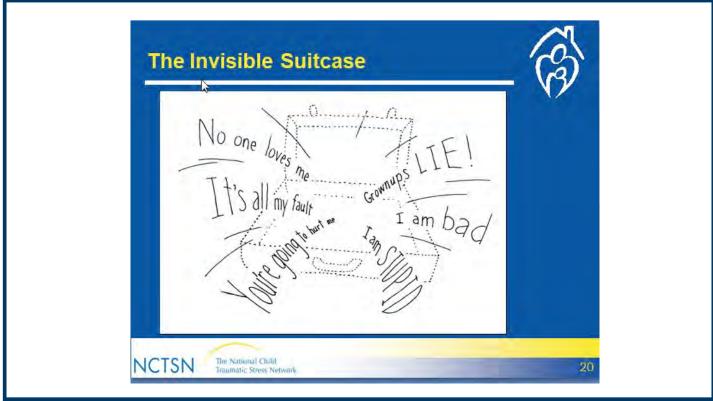


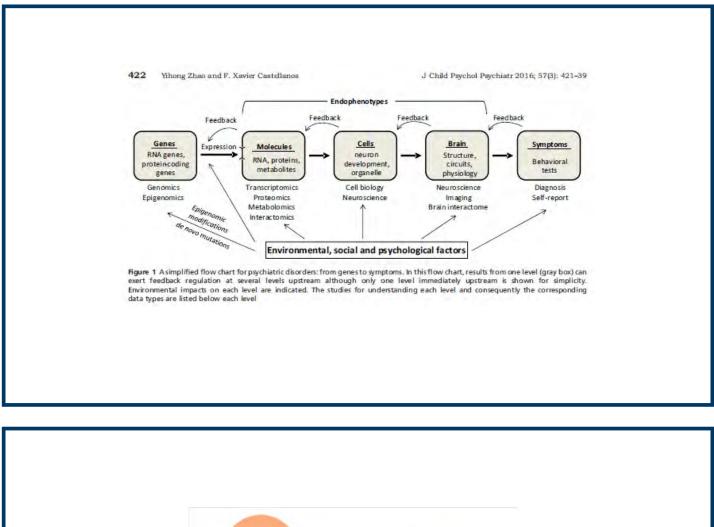


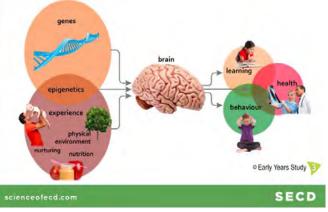
Variability	
<ul> <li>The impact of a potentially traumatic event depinctuding:</li> </ul>	pends on several factors
- The child's age and developmental stage	
- The child's perception of the danger faced	
- Whether the child was the victim or a witne	SS
- The child's relationship to the victim or per	petrator
<ul> <li>The child's past experience with trauma</li> </ul>	
- The adversities the child faces following th	e trauma
<ul> <li>The presence/availability of adults who can</li> </ul>	n offer help and protection

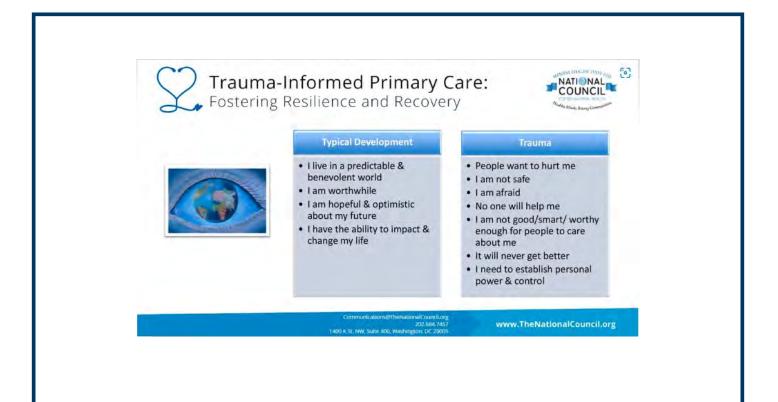








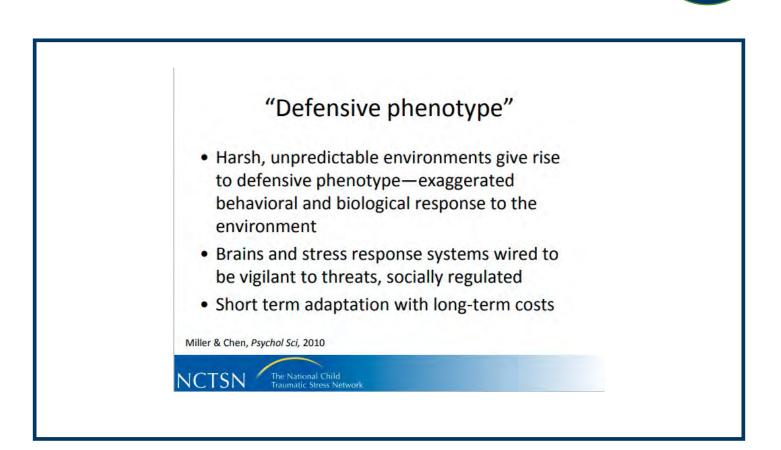






- Safety?
- That a consistent adult will love and care for them?
- Ability to control outcomes in their life?
- Motivations of adults?
- Their own essential goodness?
- Ownership of their bodies?
- Control over their own thoughts and actions?





	FREEZE		PARASYMPATHETIC NERVOUS SYSTEM DORSAL VAGAL COMPLEX
	Collapse - Inwrobility		Increases
Numbri		t-Down	Fuel storage & insulin activity - Immobilization behavior (with fear) Endorphins that help numb and raise the pain threshold Conservation of metabalic resources
Depression Rilised pain threshold Heiplosenese	DORSAL VAGAL (LIFE THREAT) Hypoarousal	Hopelessness Preparation for death Trapped	Decreases Heart Rate - Blood Pressure - Tamparature - Muscle Tane Facial Expressions & Eye Context - Depth of Breath - Social Belavice Attunement to Human Vaice - Sexual Response - Immune Response
ICAN FIGHT F	LIGHT	1	SYMPATHETIC NERVOUS SYSTEM
Rage Panio Anger Fear	SYMPATHETIC	1 and	Blood Pressure - Haort Rote - Fuel Availability - Adranoline Oxygen Circulation to Vital Organs - Blood Clatting - Pupil Size Dilation of Broachi - Defansive Responses December December
Irritation Anxiety Frustration Worry & Con	(DANGER) Hyperarousal	Rischart Reve	Fuel Storage = Insolin Activity = Digastion = Solivation Relational Ability = Immune Response
The nervous system with a neuroception of	n salety:		
	SOCIAL		PARASYMPATHETIC NERVOUS SYSTEM
-		and the second sec	Increases
Calmness in connection	FNGAGEMENT	Curiosity/Openness	
Calmness in connection Settled	ENGAGEMENT Connection + Safety Oriented to the Environment	Curiosity/Openness Compassionate	Digestion - Intestinal Motility - Resistance to Infection Immune Response - Rest and Recuperation - Health & Vitality Condition - Inner Mich grange (sking astronomics)
			Digestion - Intestinel Motility - Resistance to Inflaction Immune Response - Rest and Recuperation - Health & Vitality Gradiation to non-Vital organs (kith, activantics) Dsytocin (neurometalettar involved in sociel bands that allows immobility without fear) - Ability to Reales and Camad Novement in eyes and head furning - Prosedy in voice - Breath

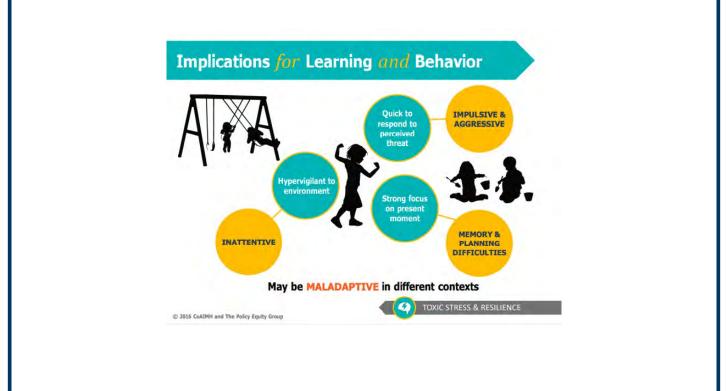
## Common Triggers for Traumatized Children

- · Unpredictability or sudden change
- Transition from one setting/activity to another
- Loss of control
- · Feelings of vulnerability or rejection
- · Confrontation, authority, or limit setting
- Loneliness
- Sensory overload (too much stimulation from the environment)











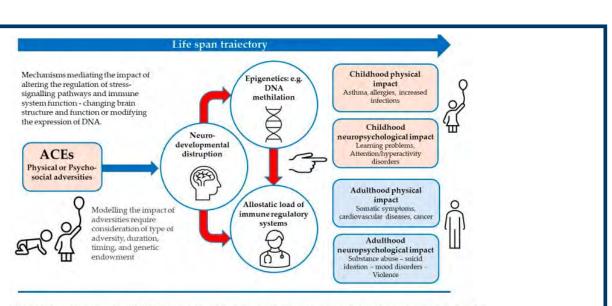
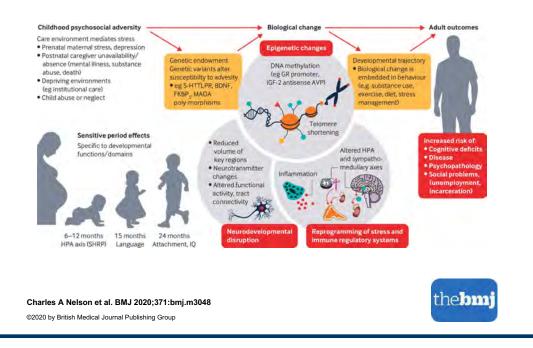
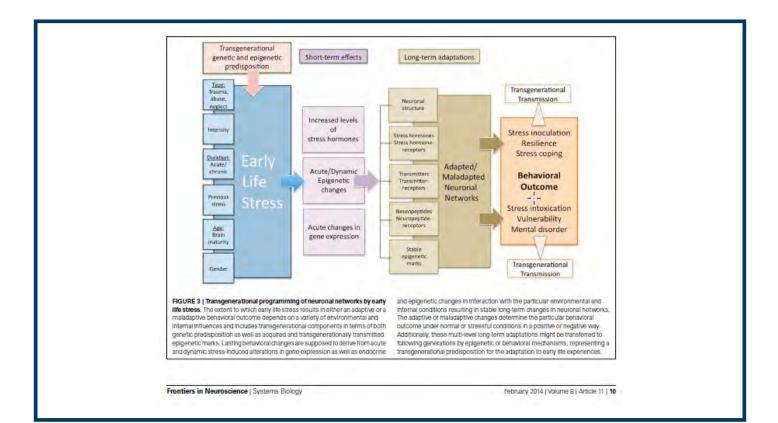


Figure 1. Impact of ACEs exposure and potential mechanisms for physical and/or neuropsychological facets in childhood and adulthood. Citation: Pino, O; Cadena, R.T; Po

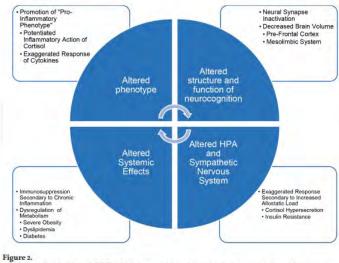
Chalmin Tinly, O', Calendy, Fri Joy D. A Comprehensive Review on Multifaceted Mechanisms Involved in the Development of Breast Cance Following Adverse Childhood Experiences (ACEs). Int. J. Environ. Res. Public Health 2022, 19, 12615. https://doi.org/10.3390/ ijerph191912615

### Some of the pathways that mediate exposure to early adversity and adult outcomes.





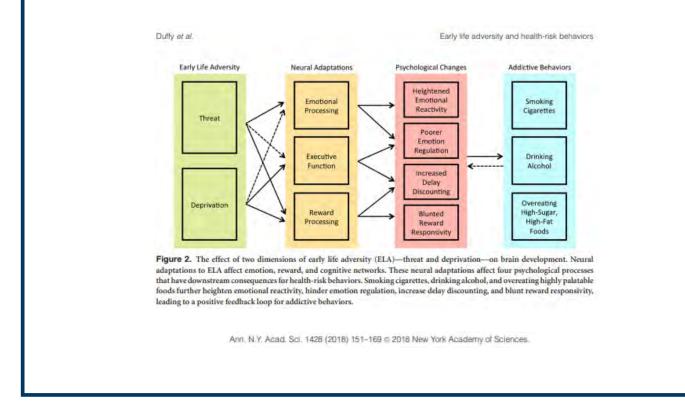
Contemporary Developments and Perspectives in International Health Security - Volume 1

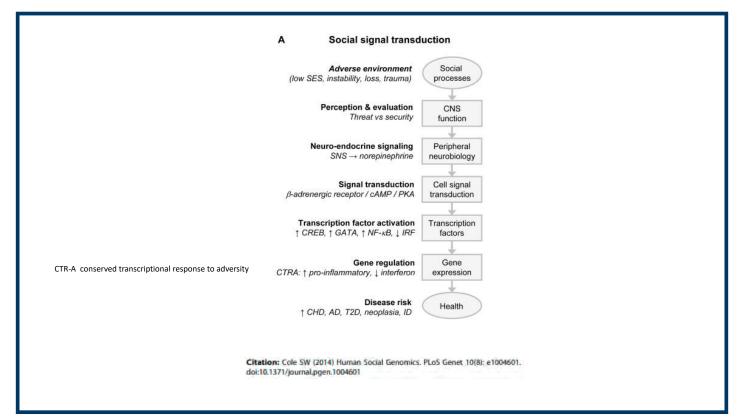


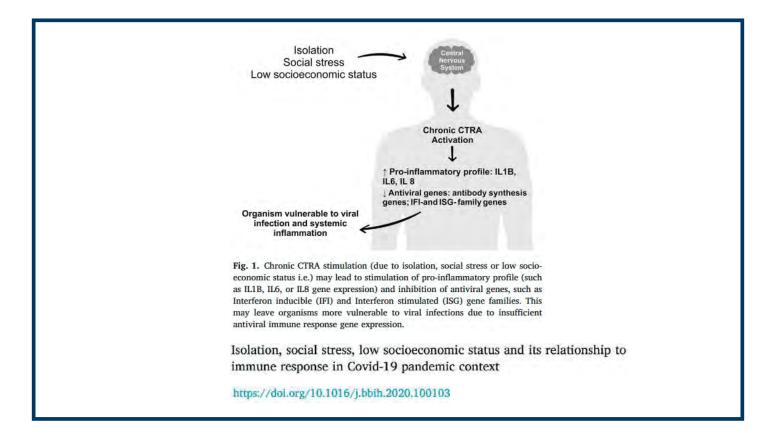
The biological embedding of childhood adversity model resultant of early exposure psychosocial stressors as adapted from Berens [12].

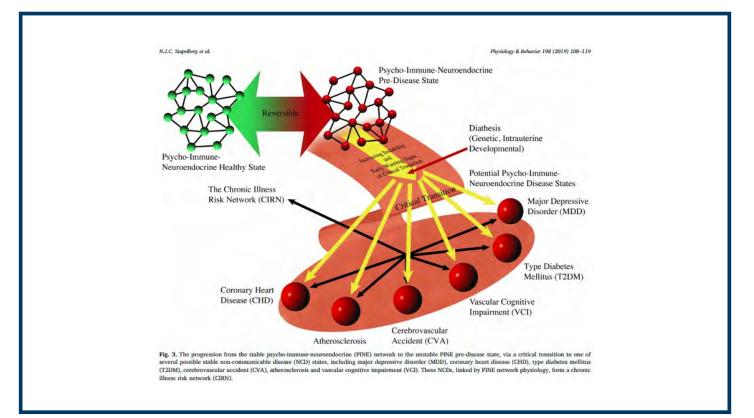
Holter, J., Marchionni, C., & Bhatt, B. (2021). The Relationship of Adulthood Chronic Disease and Adverse Childhood Experiences (ACEs): Implications Regarding Prevention and Promotion in International Health. IntechOpen. doi: 10.5772/intechopen.93520



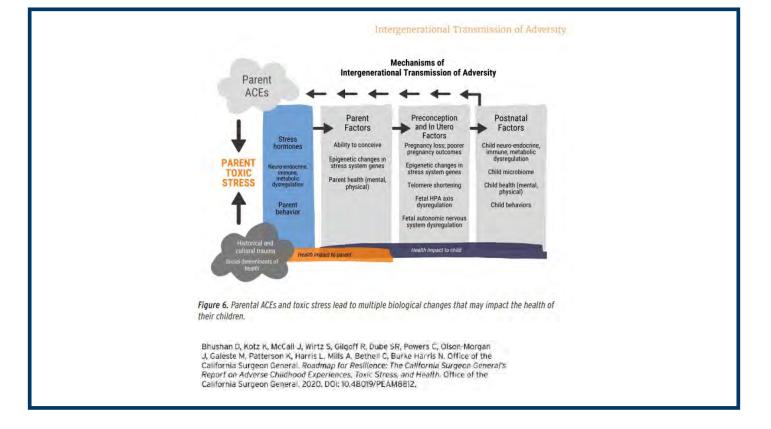


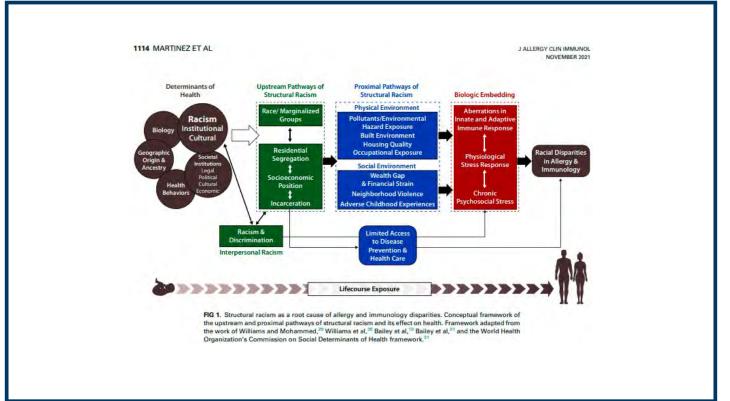


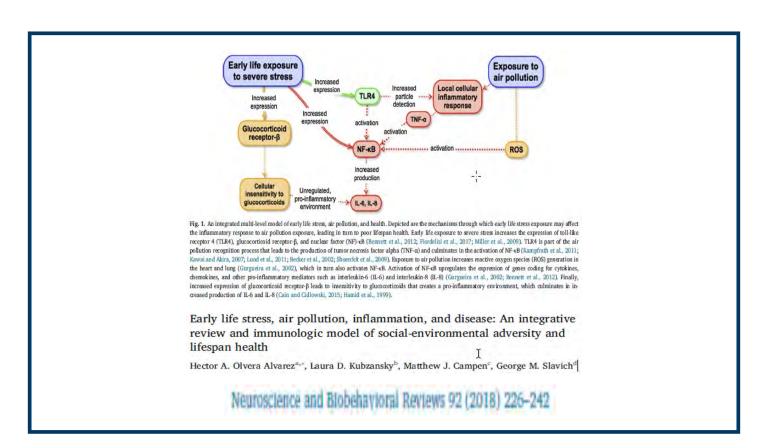


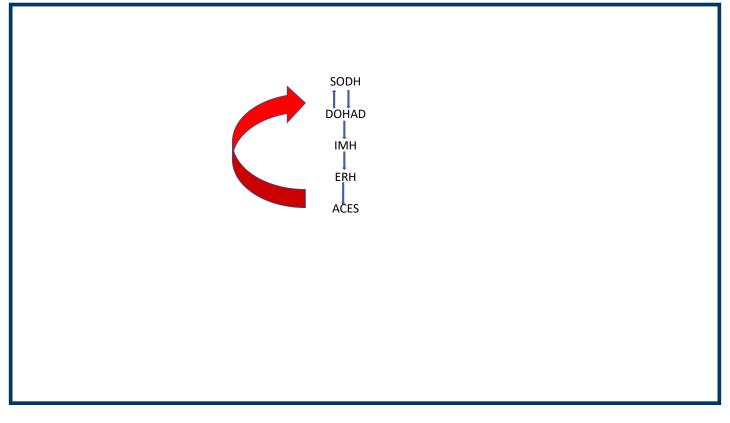
















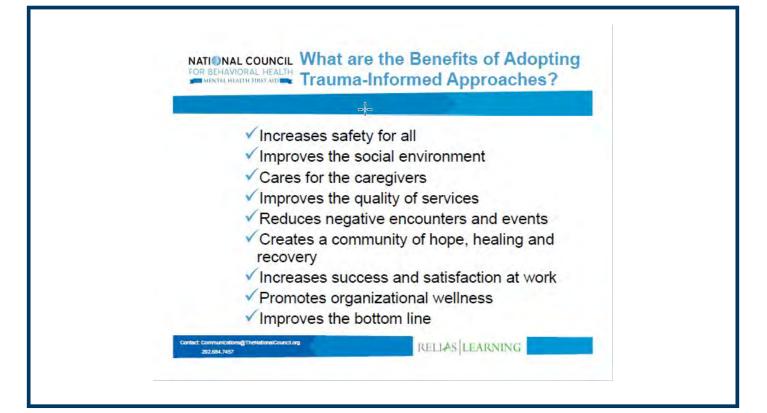
# TRAUMA INFORMED CARE

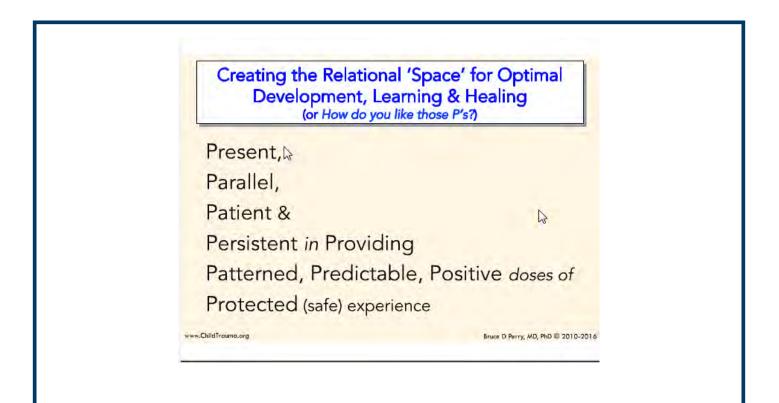
 "Such an approach has no downside, since children who have been exposed to trauma require it, and other, more fortunate children deserve and can also benefit from this fundamentally humanistic commitment."



Gordon R. Hodas MD . Pennsylvania Office of Mental Health and Substance Abuse Services , February 2006

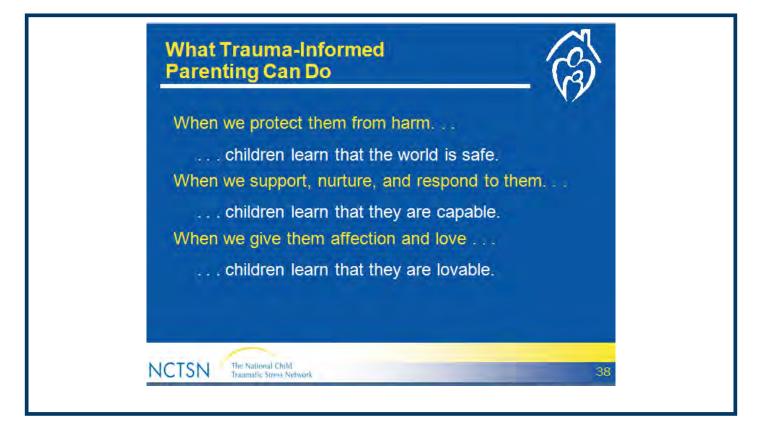












"What's wrong with you?"

Blame Shame Punishment

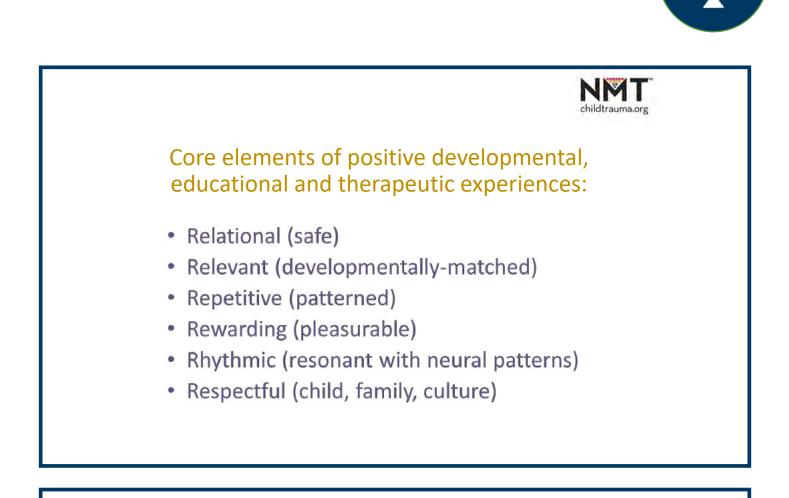


"What happened to you?"

Understanding Healing Nurturing



Jane Stevens, GCPH Seminar: : www.gcph.co.uk/events/166



### Changing the Question:

From "What is wrong with you?" to "What is going on? How are you feeling?"

ehavior	Feeling it is Masking
Oppositional Behavior	Fear of Rejection/Abandonment
Dutbursts	Overwhelmed
Anger	Hurt
Depression	Lack of Self Worth
Withdrawal/Absences	Avoidance of Emotions
Argumentativeness	Testing Relationship
Escalation	Triggered Trauma Memories
Defiance of Authority	Need for Control

Behaviour	What might be happening?	
Distant, disengaged, shut-off	'freeze' survival mode	
Defiant, angry, aggressive	Fight' survival mode experiencing threat	
Looking for attention	Wanting to be connected	
Withdrawn	Fearful cautious	
Rude	Self-protective, rejecting before being rejected	
Not engaging	Not feeling safe yet	
Self-harm	Coping strategy for emotional pain	

Centre for Excellence in Therapeutic Care - Practice Guide: Responding to behaviours that challenge

Page 10





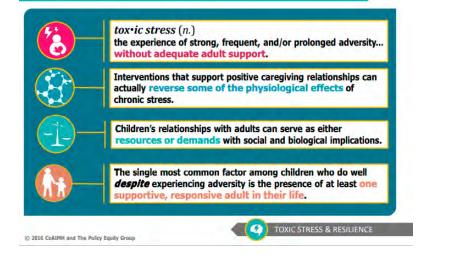
#### Protective and Compensatory Experiences (PACEs)

Hays-Grudo and Morris (2019) describe the research supporting experiences and environments that buffer children from the effects of ACEs and help adults with a history of ACEs recover and improve their own developmental trajectories. The relationship factors identified as PACEs include: (1) unconditional love from a parent (or other primary caregiver); (2) having a best friend; (3) volunteering/helping others in the community; (4) belonging to a social group; and (5) having the support of an adult outside of the family (e.g., coach, mentor). The Resource PACEs include: (6) living in a clean and safe home with enough food; (7) having the resources and opportunities to learn; (8) having an engaging hobby, a creative or intellectual pursuit; (9) engaging in physical activity or sports; and (10) living in a home with routines and consistent rules. The PACEs experiences and environments summa-

Encyclopedia of Infant and Early Childhood Development, 2nd edition, Volume 1 https://doi.org/10.1016/8978-0-12-809324-5.23592-X



### The Power of Relationships





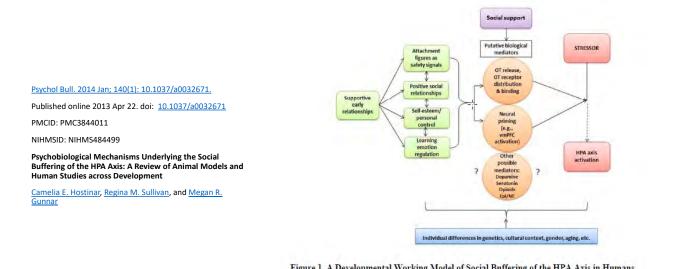
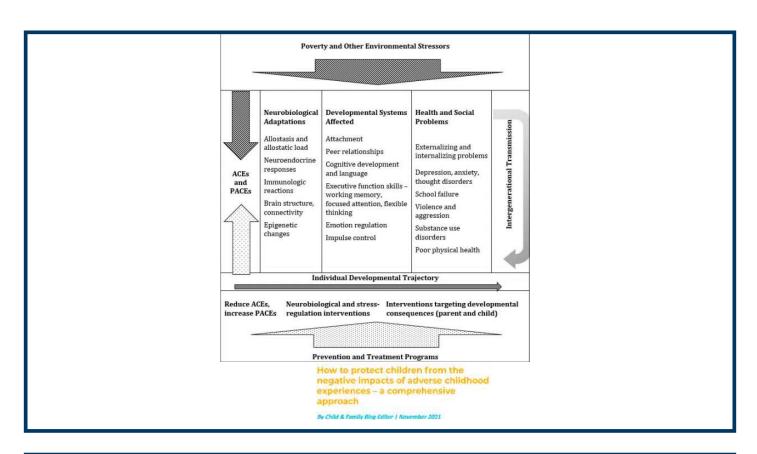
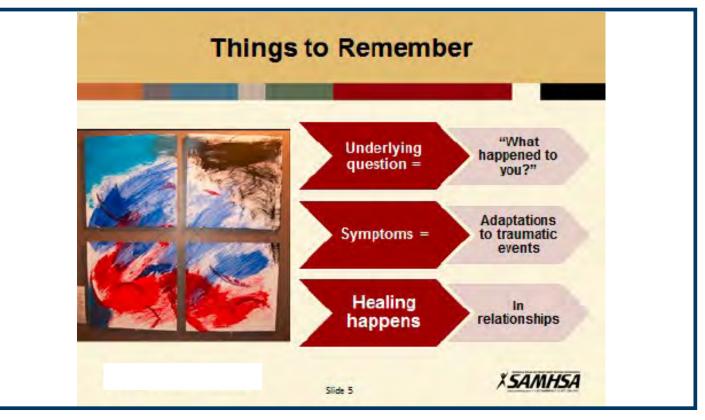


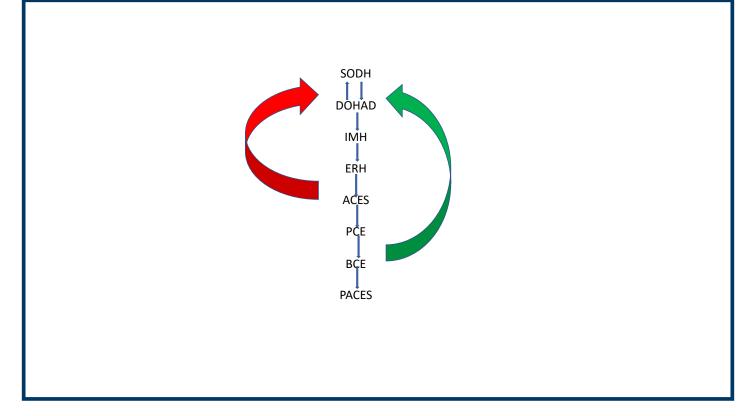
Figure 1. A Developmental Working Model of Social Buffering of the HPA Axis in Humans OT = oxytocin, vmPFC = ventro-medial prefrontal cortex, Epi = epinephrine, NE = norepinephrine.

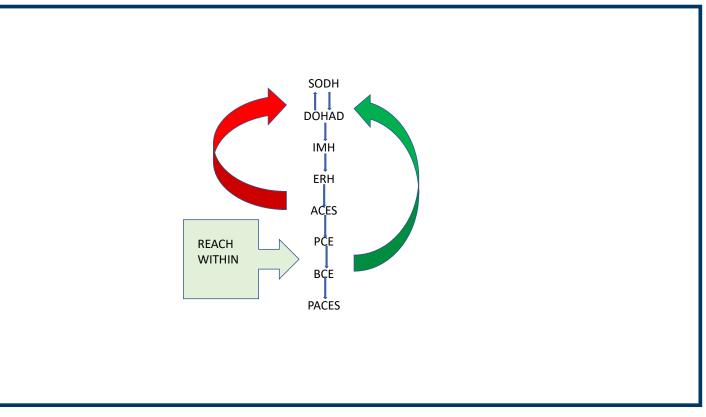












#### 2006 - 2009

REACH Grenada forms. Announced at Prime Minister Mitchell's Birthday Party in Brooklyn, 2006 in honour of his commitment to promoting opportunities for all Grenadians "to reach new heights." The REACH program worked in 14 schools in St. Andrews Parish with deliverables in 5 key areas:

- Recreation: installed playgrounds, shade trees, and benches
- Education: delivered standardized literacy training for teachers; trainings also included material donations of books, printers, ink to be used for literacy programs
- Agriculture: installed grow boxes and chicken coops to supplement the school feeding
  program and promote love of agriculture in children
- Community Building: conducted focus groups to better understand how to prioritise children's needs
- Healthcare: delivered widespread program of diagnosis and treatment of intestinal parasites and rheumatic fever

Founded in 2008, Reach Grenada works with all of these residential care centres to improve the emotional and social well-being of child victims of abuse and neglect. They provide training, support services and wellness programmes to the children and their caregivers. They also offer summer camp services for the children.

SITUATION ANALYSIS OF CHILDREN IN GRENADA







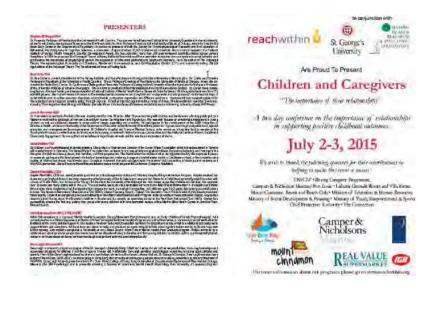












THURSDAY - JULY 2, 2015 FRIDAY - JULY 3, 2015 Reportation Hilliam & 45im Registration 6.45an 300an Gadog Dr. Richal Rongman Opanig Payer Ma. Davne Cyras, Roving Campber Programme WORKSHOPS Dr. Steplica Porger Parting the Concepts to Work/QatA First Sestions only KolSam-D (Rhun) Generatings 9.00mm-9.30mm Reference 9:00am-9:15am 1 period 20 dot acts National Architecture Performal by Mr. Jory Residents and Wr. Manierh Disystem Dr. C. Sue Cartes Pusting the Concepts to Work/Q&A Second Sections unly 930an 1030an sarterni o, ADHD, Adveron Junon, Development Dato Di Stephen Porge Dr. John Hornstein Paring the Concepts (1) Work/Q&A Al Same (1) (See al Transy and Balancedory Dr. Suphen Poges this and 1 mile Dr. Hasel DaBers Viga as Thengy Bending Your Body in Straighten Our Your Mind 10:15am 10:35am Marriag Batali 1100am-1200pm Bicfloring ray Ownedies an We Work with Christian and Fundler Dr. John Hornstein 10:35am-11:35 the fileating Point of Lavie Air Organit Hypothesis Dr. C. Sac Carter Sers-Logh Ghouralal Best Practices for Classroom nagement and Children's Behavior 1200pm-12:Wpm Band Elletennice Mat 11:35am 12:35pm Uni D. veloping Oxfol dy Tomorroy, and P. different Dr. John Homenian Gaykin Plan, ClilS/Adii Subernanian IMBC/CEIS, R-DMT The Power of Play (yes 0-3 year) First Session The Power of Play (yes 4 and older) Second Session 12.30pm-240pm Lunca 47.0 2550pm-31Xpm Christer & Wentshiep 1240pm lpm Princi 186, pressio tom2:15pm Limth 360pm 3 Sigma Alternation David 2dSp.=SitSpm Choire of Wookshoer 3:90pm - 6:30pm (divice of Wintellog) All Spinis Room Allertrains Paral 430pm-\$100pm Paul Discossion Crimp Lannaster Sillipson Windshop







Dr. Alexandra Harrison, a noted child psychiatrist led the course. Dr. Harrison in addition to being a core faculty member of the University of Massachusetts Boston Infant Mental Health Post-Graduate Certificate Program is a Training and Supervising Analyst in Adult and Child Psychiatry at the Boston Psychoanalytic Institute, an Assistant Professor Part Time in Psychiatry at Harvard Medical School and co-founder of a nonprofit Supporting Child Caregivers dedicated to furthering her efforts to disseminate knowledge about the importance of early relationships in the life and health of infants and their caregivers. The lecture material was organised around the tasks of the parent: To Protect, to nurture, and to enjoy, and also included demonstration of the "Newborn Behavioural Observation" tool used to build healthy relationships between the newborn infant and its parents.



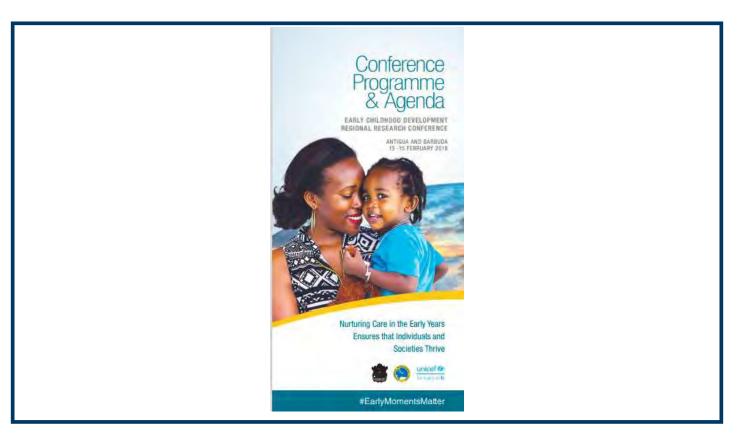






## reachwithin launches "My Spiritual Life" Program specifically for children, youth and adolescents who have experienced abuse, abandonment or adversity. Spiritual and religious practices, part of any culture, have also been identified through scientific research, as a cornerstone of resiliency. According to research, a key factor in developing resiliency and minimizing the risk of Post Traumatic Stress Disorder is the way a person perceives and processes the experience. Spiritual and religious practices offer another lens from which to make sense of adverse life events. Spirituality can often be a framework to find hope versus despair in the aftermath of trauma reachwithin seeks to provide the necessary resources for children who have experienced adversity, to go forth and lead healthy, happy lives. We also believe children and youth should have the opportunity to explore these specific themes and personal experiences through a spiritual lens. Using a train-the-trainer approach, the program will focus first on staff caregivers who work in residential care homes, and who provide the most consistent relationships for children. Once the caregivers have engaged in the experience, together we will create opportunities for children, youth and adolescents to explore their life stories through a spiritual lens. reachwithin would like to extend a very big thank you to Mr. James Stewart for spearheading this initiative. We would also like to extend our gratitude to Mrs. Lorna Douglas, reachwithin's trainer, who will oversee the implementation of the "My Spiritual Life" program. As with all reachwithin programs, participation is optional. This program also supports efforts to understand religious diversity and the practice of tolerance for different opinions. reachwithin not only hopes to provide children with the tools for resiliency, but also the tools for creating a more peaceful world.





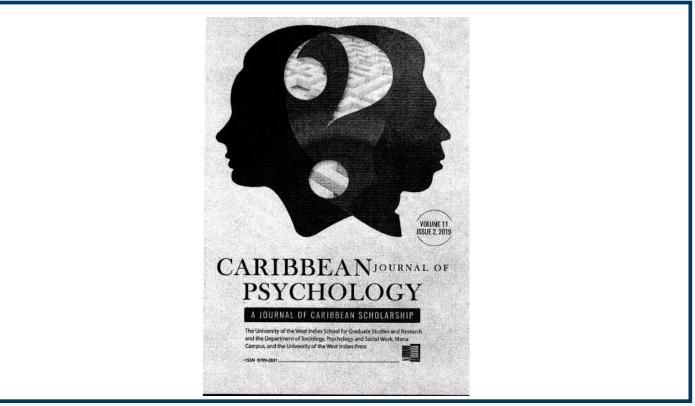


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## Self-Regulation Program

Reach Within focuses on promoting resilience. establishing appropriate personal boundaries, and developing skills in self-regulation. When children have experienced trauma, traditional "talk therapy" is not always effective or even readily available; some children are not developmentally ready to respond to such an approach, and others are harmed by revisiting their trauma. We bring alternative clinically proven interventions to abused and neglected children, including the Reach Within Educational Manual, rhythm-based activities such as yoga and drumming and mindful breathing exercises. These sessions are also offered virtually through the Reach Within digital library.

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### Group Drumming

Through our weekly drumming sessions, we have found that the collaborative and interactive process of drumming can help children and teens to develop valuable skills such as taking turns and sharing. It can help to improve both verbal and non-verbal communication skills as well as encourage team building and increase community spirit.

Further, since rhythmic activity such as drumming, which is patterned and repetitive, is essential to healing developmental trauma in a non-verbal manner we encourage full participation, regardless of physical limitations.

Over time, the children and teens are found to feel safe in a drumming group and, within that setting of security, use the banging of drums to release their pent up emotions.



11 October 2016 reachwithin stages soccer clinics for children living in care homes



reachwithin, a grenada based organiztion, dedicated to improving the quality of life of teens and children who have experienced adversity, hosted two special soccer clinics at Tempe Playing Field on Sunday and Monday, 9-10 October 2016. A lively group of children, aged 4-16 from the Queen Elizabeth Home in Tempe, attended each session.

Jesse Jacob, a member of the prestigious BW Gottschee soccer club in New York City, lied the clinics, BW Gottschee also donated the soccer equipment which will remain with reachwithin in Grenada. Also supporting the clinics were Jerry Bascombe, reachwithin Youth Program Coordinator and Mackenzie Lawson, who plays for Loyola High School in New York City. Mackenzie first introduced Jesse to reachwithin in June when they spent two weeks in Grenada, working alongside Jenry, on a house building project for youth transitioning out of the care system.

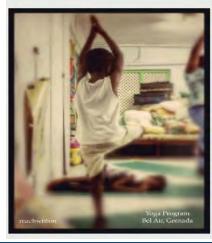
"I am so happy reachwithin allowed me to come back to introduce the values and benefits of soccer," said Jesse. "It was fantastic to see how the kids responded to the training over these past two days. Not only did they have a lot of fun playing soccer and mastering basic skills, but they also learned some important life lessons about tearnwork, trust and commitment."



## Youth Life Skills & Yoga Program

Our Youth Life Solis & Yoga Program helps to develop character building, emotional literacy, and self-regulation.

We are excited to have to just released our very own reachyoge kid-friendly deck of yoge cards that teaches challenging poses and breathing exercises. Amazing cards for a great cause!





## **Caregiver Certification Program**

Our caregiver training program is strengths-based and wellness-oriented, as we believe that caring for others begins with caring for oneself. Using multiple learning approaches, caregivers increase their knowledge base and competency in trauma-informed care practice, learn about brain changes that cause challenging behaviors and techniques for defusing them, as well as simple ways to create a harmonious environment. Caregivers are taught to reframe stressful events and use healing techniques to help children regulate and re-pattern experiences in order to support resilience and recovery. Caregivers are also provided with support groups and retreats so that they may regularly recharge.

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Training and educating caregivers in understanding the behaviours of children who have experienced abuse and neglect is paramount to the work of reachwithin. Aside from ongoing training sessions at residential care homes, reachwithin now offers one-day retreats for caregivers and staff working in four residential homes in Grenada. reachwithin believes staff caregivers provide the most consistent relationship for children who have experienced abuse or abandonment and it is highly important to replenish resources in order to prevent burnout.



The Caregiver Education program trains and empowers caregivers to create happier, healthier, and safer environments for the children and themselves. Caregivers are taught principles of positive parenting such as Touchpoints (T. Berry Brazelton), Conscious Discipline (Becky Bailey), and Empowering Parents (James Lehman) all of which aim to change the lives of caregivers first to better change the lives of children. Further, reachwithin provides instruction in selfcare as we recognize that children are best served by dealthy and happy caregivers who exhibit stamins and enthusiasm.





## REACH Launches Conscious Discipline Training for Child Protection Authority in 2013



Following its agreement with Mr. Kallan Simon, Child Protection Authority Director, in spring 2012, REACH Grenada at 81, Georges University is proud to be delivering caregiver education for Child Protection Authority (CPA) personnal in 2013. This training series, part of the readhwithin model of care, is built around the world-renowned program Conscious Discipline®, developed by Dr. Beoky Balley, and adopted for caregivers of children in institutional and foster care settings. The year-long trainings will be facilitated by REACH Grenads's Program Director, Dr. Berkare Landon of SQL who has worked with Dr. Balley and taught Conscious Discipline for 15 years.

Launched in March 2012, REACH Grenada's Caregiver Training Program is both didatic and experiential, offering trainees ample opportunities to practice the new skills neach session. Moreover, each training consists of an accompanying coaching session, wherein RG coaches make monthly site visits to ensure lesson comprehension and implementation. RG's lead coaches for this program are Ms. Lons Douglas, who will focus on father Mallingen Home for Boys, and Ms. Leuren Orlando, who will focus on the Emergency Shelter.

REACH Grenada's Caregiver Training sessions will be held on Monday mornings, 9:30-AM to noon at St. George's University. The training sessions will cover topics such as "Becoming Brain Smart," "Composure." "Encouragement," and "Assertiveness." All materials, including a workbook, child-appropriate storybooks, end Conscious Discipline® materials will be provided to care homes by REACH Grenada.

REACH Grenade is proud to extend its training series to CPA personnel. We look forward to partnering with CPA in our collective efforts to improve the lives of the children in the oustody of CPA, as well as their caregivers, counselors, caseworkres, and other members of the Grenadian community.



## **Transitional Living Program**

In order to stop the cycle of abuse and/or abandonment, Reach Within works closely with youth who are aging out of a residential care system or those living on the streets. Through our drop-in centre and community outreach model, Reach Within provides life skills and mentoring programs for youth seeking further educational opportunities, employment, housing, and emotional support. Our Transitional Living Program ensures continuity of care and healing through the developmental years of young adulthood. This program builds a care of mentors who become role models for the younger generation, informing their behavior in school, work, relationships, and the world at large.

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## reachwithin Opens Drop-In Center for



August 1, 2017 reachwithin opened it's first drop-in center for youth who are aging out of residential care homes and trying to find their way as young adults. The center is run by reachwithin's Transitional Living Coordinator, Mr. Troy Clarke, who facilitates job training and life skills programs for youth seeking further education opportunities, employment, housing and emotional support. The drop-in center works with individuals, facilitates groups sessions and welcomes the involvement of local businesses as mentors for this initiative. The goal, according to Mr. Clarke is to provide the steps to help vulnerable youth transition and thrive as valuable members of their community.

## Inspirational Grenada teen continues to overcome adversity with a Marathon win



Nineteen year old Willan George, who is from Gouyave on the West abass of Grenade, beat all the odds when he finished first in the 2016 Run De Spie Marathon, in a time of 4:41:26, on Saturday, 26 November 2016. Not only was he up against more experienced runners from Trinidad & Tobago, British Virgin Islands and Germany but, incredibly, he had not trained for this particular occasion and had received this first pair of running shoes that very morning!

Willan has faced many adversities in his short life but with support from local children's charly, reachwithin.org, who encouraged him to participate in Run De Spice, the plan is for Willan to transition into adulthood as an employable, productive and happy member of the community.

"Willan is clearly a natural talent and he truly loves running' says reachwithin founder, Dr. Karen Lawson, "but I believe that his inner resolve to prove his selfworth propelled him to wire this race and we will most certainly be encouraging him to keep up the running."

"Willian was given his first pair of real running shoes on the day of the race because he was intent on taking part. It is a big deal for a teenage boy whose life is a lot more challenging than most. He spint years in a care home for abused and abandined boys. His birth mother and adoptive mother both diad while he was a child. He is the perfect example of the kind of youth that reachwithin aims to motivate to be the best that they can be physically. mentally and holistically."

"Willan is part of our Transitional Living Program" continues Dr. Lawson, "which is for youth leaving the care system. We provide them with life skills such as writing a resume, job hunting and healthy Life choices. We also include them in physical activities, such as soccer clinics and running, to help keep them healthy, teach them about team work, to de-stress and clear their minds and to help raise their self-esteem."



## Island Innovation Awards honors Reach Within with the COVID-19 Response Award!

Reach Within was honored to receive the COVID-19 Response Award at the Island Innovation awards. The esteemed jury included the former Presidents of the Seychelles and Kiribati, the former UN High Representative, the Head of Crisis Response and Humanitarian Aid at Google, as well as President Joe Biden's COVID-19 Equity Taskforce Chair,

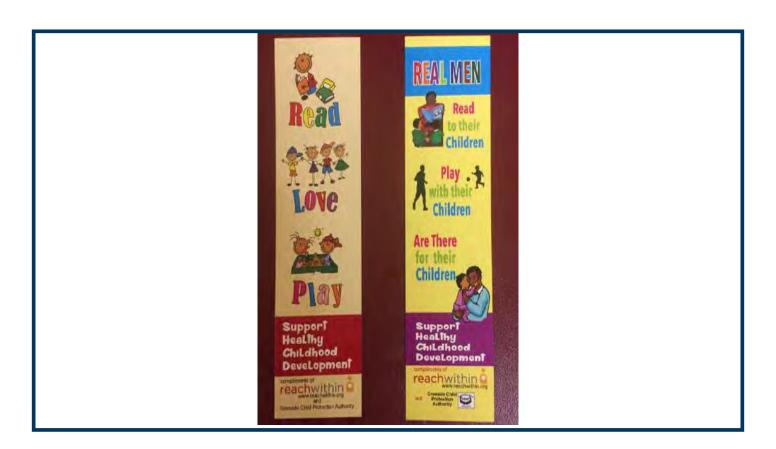
Reach Within was recognized for our success in adapting to the changing needs of our community when the COVID-19 crisis came to Grenada. Many of the residential care homes that relied on supplemental food donations from hotels and restaurants were quickly reduced to minimal food resources. Young adults in the Reach Within community also experienced an immediate loss of income and food scarcity.

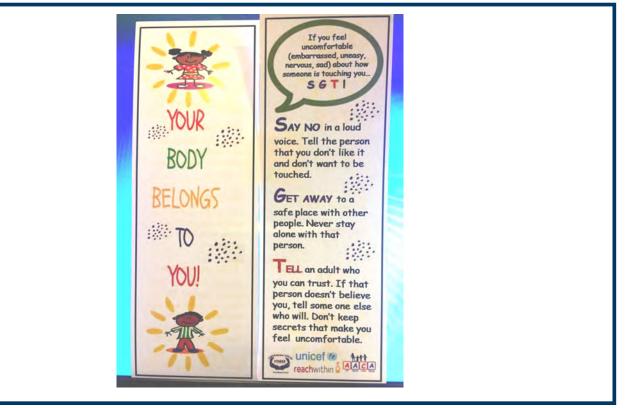
Reach Within was able to step in and support our community with sustainable solutions.

- Reach Within has been cultivating the land on the site of our new Child Developmental Centre and has been able to provide weekly deliveries of locally grown fruit, vegetables, chickens and eggs to our population.
- Reach Within has also mobilized to create food gardens and build chicken coops in each of the residential homes. Children and teens are now actively involved in gardening and learning how to become sustainable members of their community.
- Reach Within is committed to incorporating the rhythms of gardening into our therapeutic programs so children and teens can access the regulatory and rhythmic benefits of nature.

# Reach Within Additional Ongoing Collaborations

- Central Michigan University Health Child Psychiatry
- University of Denver Graduate School of Psychology
- St. George's University (Grenada)
- Windward Islands Research & Education Foundation (Grenada)
- Ministry of Social Development (Grenada)
- Child Protection Authority (Grenada)









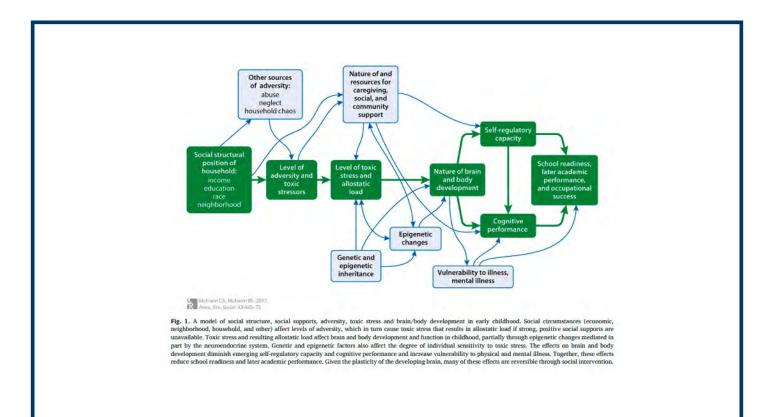






On October 27, 2017, reachwithin collaborated with the Child Protection Agency (CPA) to launch the All Against Child Abuse campaign in Grenada. As part of the partnership, reachwithin co-designed public health materials for the march and procured a child friendly mascot to promote the message, "It's safe to tell." Over 80 people marched through the streets of St. George's. reachwithin will continue to work with the Child Protection Agency as the initiative spreads to other parishes.





## THANK YOU!