UNDERSTANDING TRAUMA, RESILIENCE AND HEALING David Clark PhD







WHAT HAPPENED TO YOU?

CONVERSATIONS ON TRAUMA, RESILIENCE, AND HEALING





OPRAH WINFREY

WHAT HAPPENED TO YOU?

- ➢By asking this question, rather than 'What's wrong with you?', we can look at a person NOT from a place of judgement, but from a place of trying to understand what went on before that is causing the problem behaviour.
- The experiences you have as you are growing up, both good and bad, shape the biology of your brain, and that sets you up for the way that you see the world, the way you process experience, the way you interact with other people, and the way that you manage the physiology of your body.

WHAT IS TRAUMA?

- •Event, or series of events, or set of circumstances.
- •Experienced as physically or emotionally harmful or life threatening.
- •Adverse **effects** on functioning and mental, physical, social, emotional or spiritual well-being.

THE NATURE OF TRAUMA

Capital 'T' trauma, such as major violence, rape, natural disaster, etc.

- Neglect, e.g. fragmented, patternless caregiving.
- Marginalisation being excluded, minimised or shamed.

People can be retraumatised, even by helping professionals, institutions or systems, e.g. child welfare, educational, mental health, juvenile justice.

EXAMPLES OF ADVERSE EFFECTS

- Inability to cope with normal stresses and strains of everyday life.
- Inability to form & maintain relationships.
- •To manage cognitive processes, such as memory, attention and thinking.
- To control the expression of emotions.
- •To regulate behaviour.
- •Hypervigilance, numbing or avoidance.

FOUR MAIN SYMPTOM CLUSTERS OF PTSD

- `Intrusive' symptoms, include recurring, unwanted images and thoughts of the traumatic event.
- ≻'Avoidant' symptoms, an attempt to regain control over what feels like the uncontrollability of the traumatic experience, e.g. avoid intimacy in a relationship.
- Changes in mood and thinking, e.g. sadness, lack of pleasure, guilt, shame, emotional exhaustion.
- Alteration in arousal and reactivity, e.g. anxiety, hypervigilance, increased startle response, sleep problems.

DISSOCIATIVE RESPONSE

Used when there is inescapable, unavoidable distress and pain.

➤Your mind and body protect you. Since you cannot fight or flee, you disconnect from the threat of the outer world. You psychologically flee into your inner world.

➤Your sense of time distorts.

- You may have a sensation of watching yourself like in a movie.
- Your heart rate drops, peripheral blood flow constricts.

➢Your brain releases endogenous opioids to reduce pain.

ADVERSE CHILDHOOD EXPERIENCES (ACES)

ADVERSE CHILDHOOD EXPERIENCES INCLUDE:



ADVERSE CHILDHOOD EXPERIENCES HAVE BEEN LINKED TO:



ADVERSE CHILDHOOD EXPERIENCES (ACES)

➤ With a so-called ACE score of six, experiencing any six of the ten categories studied, that person was 4,600% more likely to become an intravenous drug user than a person who had experienced none of those ten categories.

➤The same ACE score of six produces a likelihood of attempting suicide that is between 3,100 and 5,000% greater than the likelihood of suicide attempts in someone with none of those life experiences.'

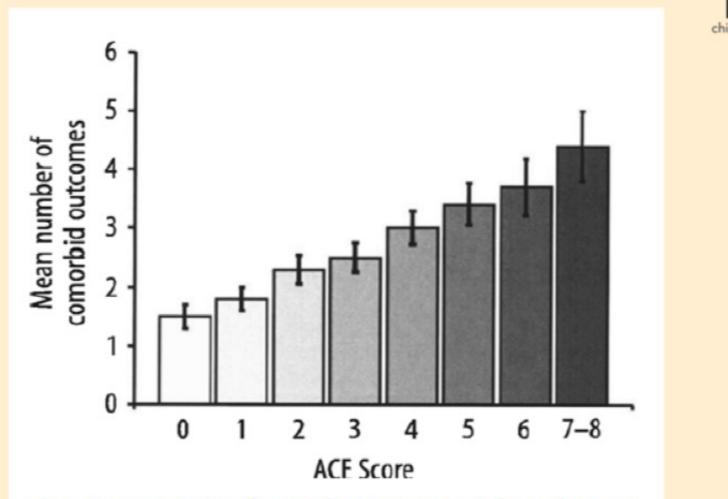


Fig. 1 The mean number of comorbid outcomes in the study sample was 2.1 (range: 0–14); means are adjusted for age, sex, race, and educational attainment. The trend in the means is significant (P < 0.0001); vertical error bars represent 95 % confidence intervals

COLONISATION AND TRAUMA



COLONISATION AND TRAUMA

Starvation, violence, disease, abduction, exploitation, taking of land, and destruction of culture.

≻1905 Aborigines Act: coercive control and taking of children.

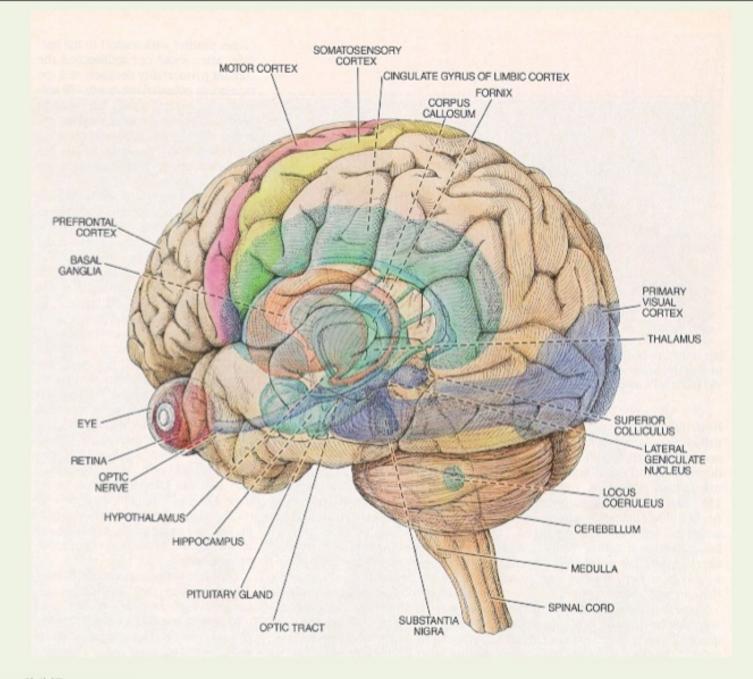
Trauma passed down generations: transgenerational trauma.

EXPRESSIONS OF TRANSGENERATIONAL TRAUMA

- Adults who feel inadequate in their day-to-day functioning.
- ➤The poor physical and psychological health and much lower life expectancy.
- The escalation in addiction to alcohol and other substances which are used as a coping mechanism.
- The increase in domestic violence across generations.
- The self-harm, suicide and risk-taking that occurs when people can find no meaning to their existence, and have no sense of purpose for their day-to-day activities.

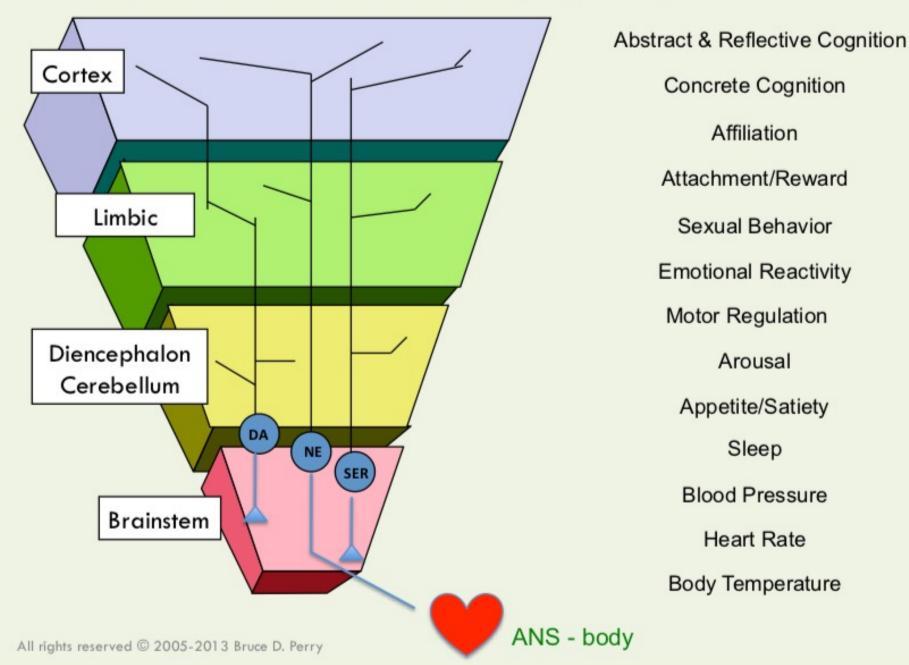
MAKING SENSE OF THE WORLD



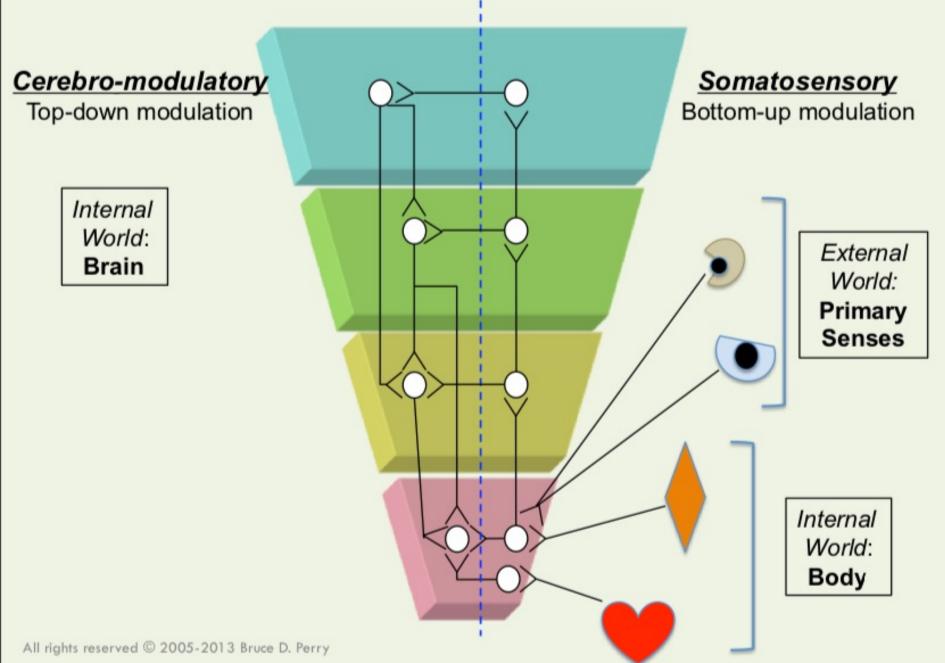




Efferent Distribution of Primary Regulatory Networks



Afferent Components: Modulation of Primary Regulatory Networks



OUR BRAIN & THE OUTSIDE WORLD

- All experience processed from bottom up: our brain is organised to feel and act before we think.
- The incoming signal is matched against previously stored experiences.
- Our life experiences shape the way key systems in our brain organise and function.
- The younger you are, the more you depend on your caregivers to help you interpret the world.
- Each of us creates a unique worldview shaped by our life's experiences.

EMOTIONAL TONE

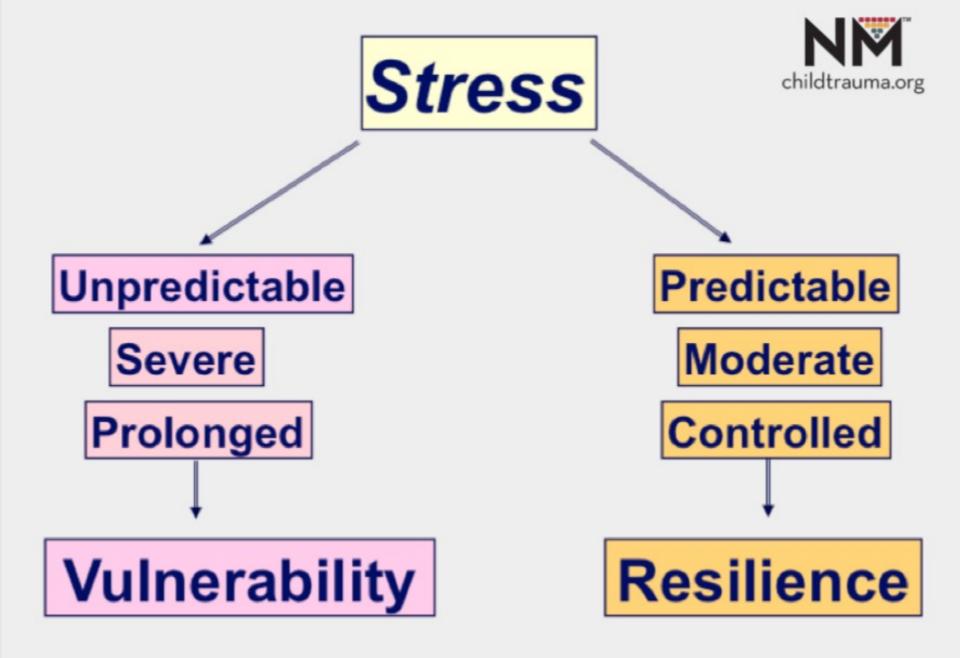
- ➢Parts of our brain are very sensitive to nonverbal relational cues.
- In our society, this is an underappreciated aspect of the way that humans work.
- >We tend to be a very verbal society, but the majority of communication is actually nonverbal.
- ➢You can can feel the emotional tone (vibration) of an environment.

THE SPECIAL Rs

- >REGULATION >REWARD >RELATIONSHIPS >RHYTHM >REPETITION
- >RELEVANT >RESPECTFUL >RECIPROCITY >RESILIENCE

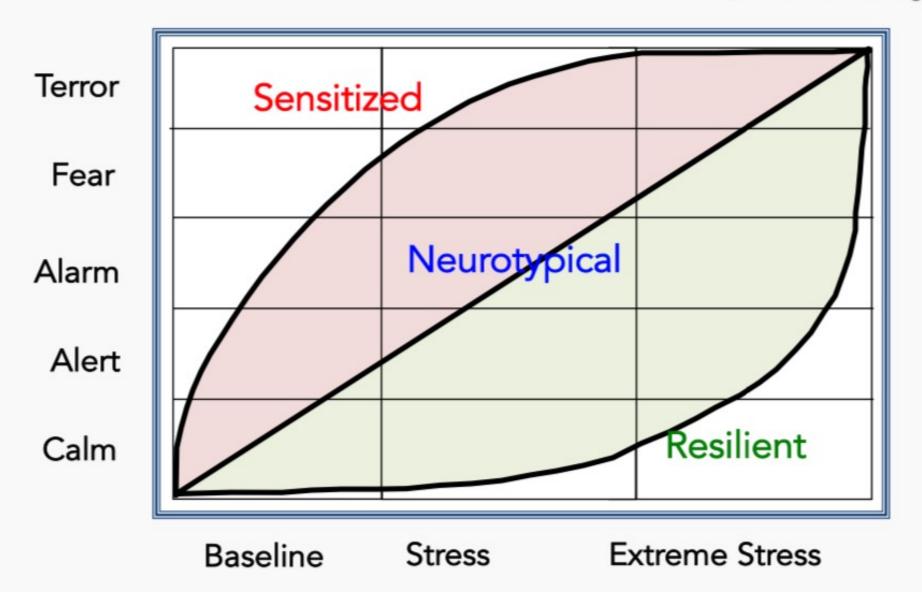
BALANCE & REGULATION

- Balance is the core of health. Body systems monitor our body and the outside world.
- Stress is what occurs when a demand or challenge takes us out of balance.
- Following 'bad' stress, we become dysregulated and feel discomfort or distress.
- >When we get back in balance & relieve distress our brain's reward networks are activated.
- Regulatory networks: stress response system, rewards system, and system involved in forming and maintaining relationships.



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Differential "State" Reactivity Childtrauma.org

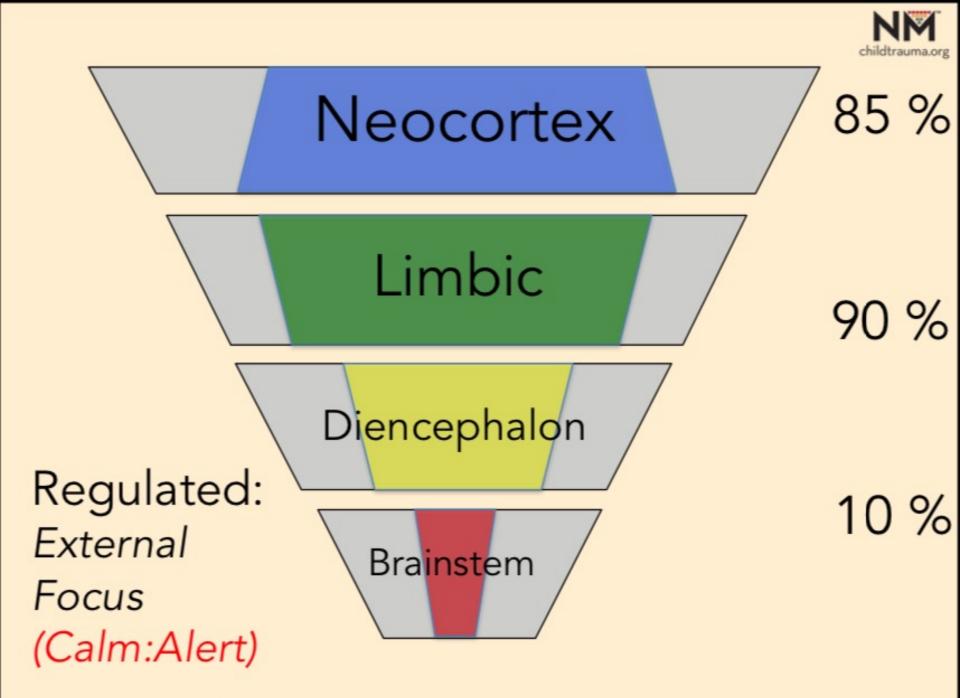


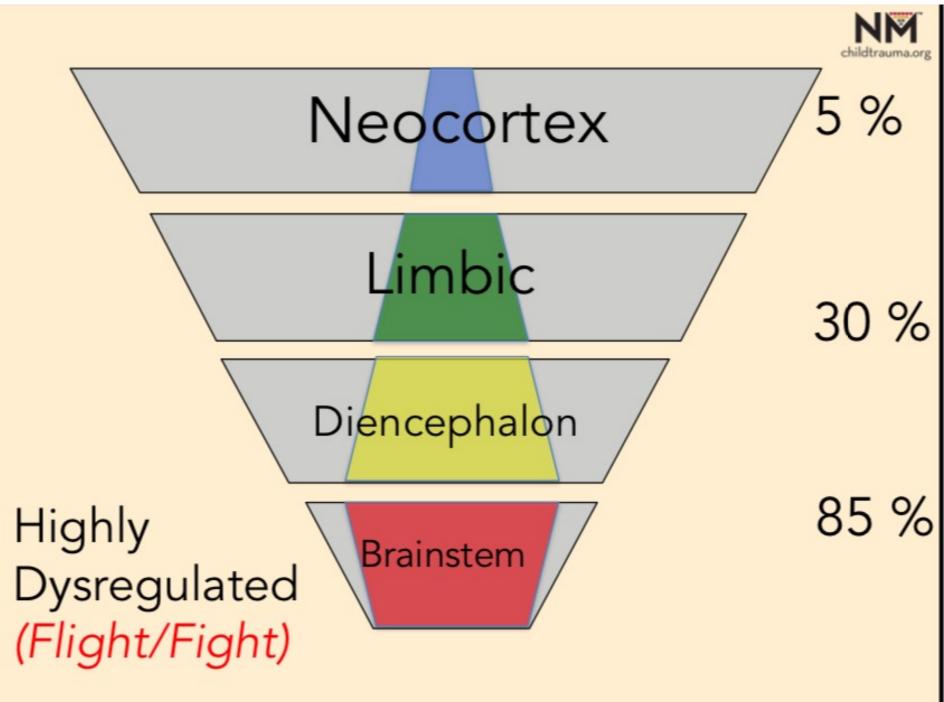
REACTIONS TO 'BAD' STRESS

- Flock, Fight, Flight or Freeze.
- Dissociation disengage from the external world and psychologically flee into own world.
- These reactions to stress can lead to chronic dysregulation.
- They may be misinterpreted by others, leading to punishment or psychiatric labelling.
- The person my turn to alcohol and/or drugs to alleviate their distress; alleviation of distress is rewarding.
- Can lead to disconnection, marginalisation, demonising & punishment, making things worse.

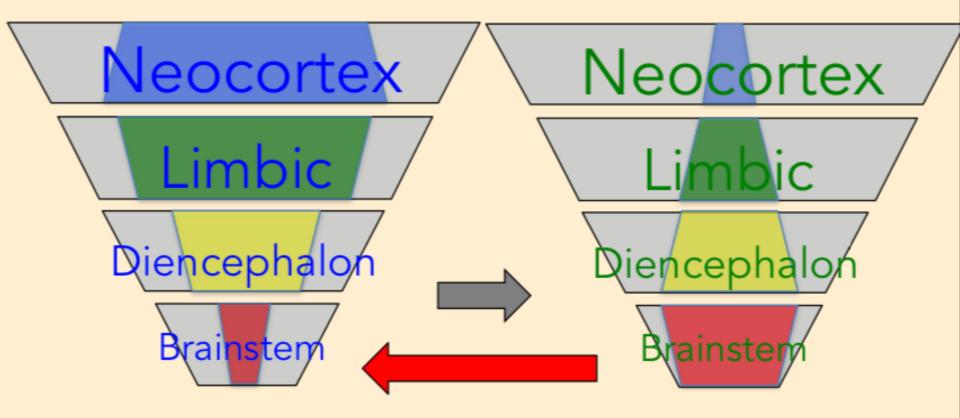
SUBSTANCE USE PROBLEMS

- Drug and alcohol effects are short-lasting and can produce their own problems, i.e. tolerance, withdrawal, addiction.
- Substance use problems can push away loved ones.
- ➤They can result in being stigmatised. The person may feel shame and even hate themselves.
- Disconnection, marginalisation, demonising and punishing make the problems worse.



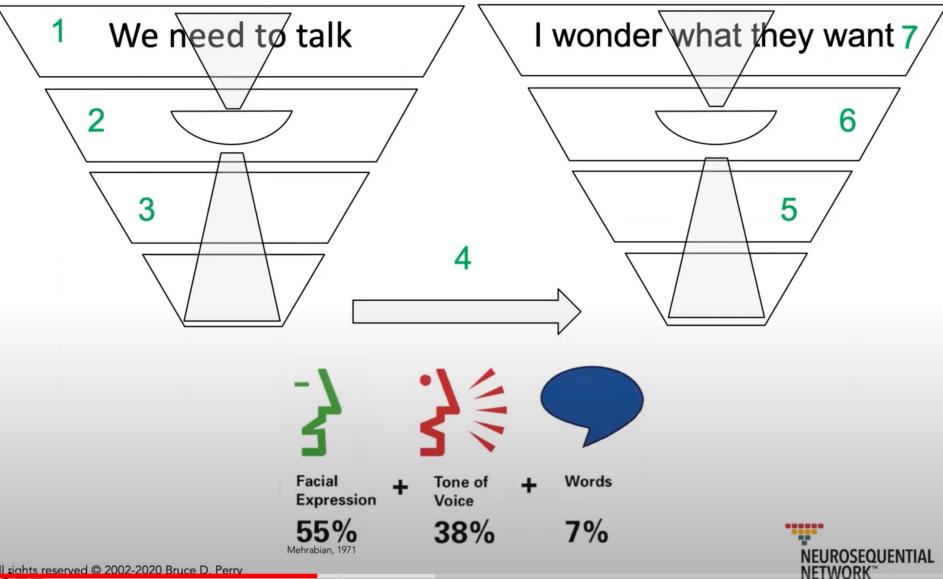






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Complexities of Communication From Cortex to Cortex



RELATIONAL MILIEU

- ➢If you are with people who are sending non-verbal signals of engagement and acceptance you become better regulated.
- ➢If you are with people who are send signals of exclusion or hostility, you become less well regulated.
- This can lead to not only problems with your mental health but also your physical health, as the stress responsivity systems control hormonal, autonomic and immune systems.

RELATIONSHIPS

- >The most powerful form of reward is relational.
- Positive interactions with people are rewarding and regulating.
- Research data from over 70,000 people in 25 countries:
- Shown that your history of relational health-your connectedness to family, community and cultureis more predictive of your mental health than your history of adversity.
- Connectedness has the power to counterbalance adversity.



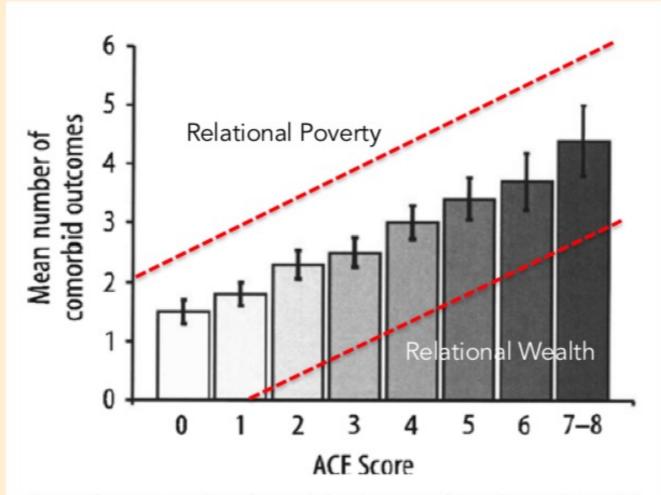


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BELONGING AND LOVE

- Belonging and love are core to the human experience. We are a social species. We are meant to be in community.
- Belonging means safety. Isolated and disconnected, we are vulnerable.
- ➢In community, we can protect one another, cooperatively `hunt and gather', share with the dependents of our family and our friends, our clan.

BELONGING AND LOVE

- The capacity to be connected in meaningful and healthy ways is shaped by our earliest relationships.
- Loving, and loving caregiving, is the foundation of our development.
- What happened to you as an infant has a profound impact on this capacity to love and be loved.
- ➢Relational glue keeps our species alive, and love is relational superglue.

IMPORTANCE OF RHYTHM AND REPETITION

- ➤A foetus starts to self-regulate in the mother's womb. The rhythm of the mother's heartbeat helps the organising brain develop.
- Rhythm and repetition are associated with safety, i.e. the foetus's needs are satisfied.
- Responsive adults help the child's brain to build self-regulating capabilities. Rocking, feeding and loving a baby strengthens the association between rhythm and regulation.
- As we grow up, we find our own regulating rhythms and activities, e.g. walking, dancing, sport, music, listening to waves on beach.

KEY IMPORTANCE OF CAREGIVERS

➢In thousands of moments, when the caregivers respond to the needs of the infant, the brain is connecting relationship, to reward and regulation.

- ➤These bonding experiences create the infant's worldview about humans.
- ➤A consistent, nurturing caregiver builds an internal view that humans are safe, predictable, and caring.

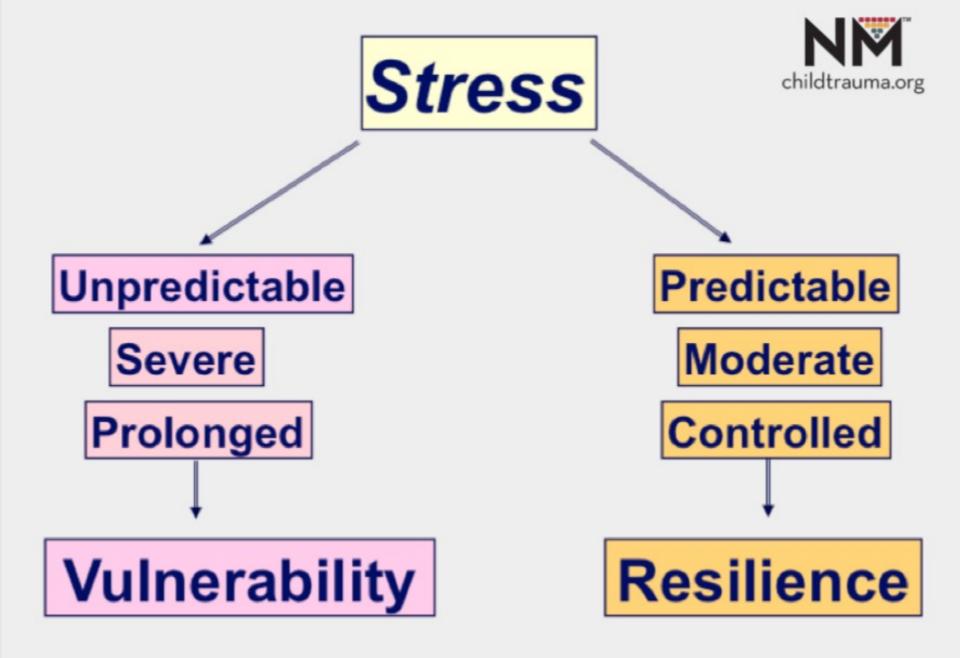
INADEQUATE SUPPORT FOR CAREGIVERS

An overwhelmed, exhausted, dysregulated parent has a hard time regulating a child consistently and predictably. This can impact the child in two important ways:

- A sensitization of the child's stress response systems – they become hypervigilant to threat. By not paying attention to their teacher, they may be labelled ADHD.
- The child builds a different worldview the place is not consistent, reliable, or safe.
 'I'm not important, I can't trust people.'

NEUROPLASTICITY

- Neuroplasticity is basically the changeability of the brain.
- ➤A key principle of neuroplasticity is that the pattern of activation makes a big difference in how a neural network changes.
- ➢ For example, moderate, predictable, and controlled activation of our stress response systems leads to a more flexible, stronger stress-response capability that lets a person demonstrate resilience in the face of more extreme stressors.



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