Adverse Childhood Experiences (ACEs)
Fact Sheet

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• One Page Summary of the Science
• List of References
• ACE Survey to Calculate Your ACE Score

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v. July 21, 2019
* includes UPDATES from a spring 2018 email conversation with
Dr. Felitti who Recommends:
- an 11th ACE question (since the first 10 do not cover all types of trauma)
- statistics update that ACEs screened with over 450,000 patients at Kaiser

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Veronique Mead, MD, MA Chronic Illness Trauma Studies ACE Fact Sheets to Educate Your Doctor

These pages are a work in progress and I invite you to contact me with recommendations or feedback so this original source can be updated periodically.
I. Adverse Childhood Experiences (ACEs) Studies

The adverse childhood experiences (ACE) studies show that trauma in childhood increases risk for chronic disease; fractures and injuries; depression, anxiety, PTSD and other mental health conditions; a greater risk of giving birth prematurely; and other life challenges. These problems also affect future generations. A Kaiser-CDC study with over 17,000 participants identified this connection. Results have been reproduced in other studies with different populations and a continuation of the original study with over 450,000 patients.

The key point from this body of research is that the effects of childhood trauma are not just psychological. Trauma alters brain development, function and structure; autonomic nervous system regulation; physiology, stress responses; and gene function (epigenetics). The American Academy of Pediatrics has used this and other research to develop a new policy, assessment tools, and a trauma toolbox for primary care. For more info: WHO, CDC, RWJ, PBS, NPR, New York Times, CBS 60 minutes, and news site ACES Too High.

II. ACEs Increase Risk for Mental Illness, Major Causes of Death & More

ACEs increase risk for major causes of death in adults including smoking, alcohol abuse (7X greater risk of abusing alcohol), use of illicit drugs (10X), suicide attempts (12X), promiscuity, obesity, physical inactivity. ACEs also increase:

- risk for chronic illness, cancer, fractures, heart / lung / thyroid / autoimmune (more on website)
- ADHD & behavior problems in kids; premature birth, greater challenges / difficulties in parenting
- anxiety, depression, PTSD, self-harm, suicide, low life satisfaction, poor academic achievement
- unintended pregnancy & paternity, intimate partner violence, increased number of marriages
- injuries, intentional and not ie motor vehicle accidents/shootings/stabbings & criminality

III. ACE Score: 1 point per category experienced before 18 yo for max of 10

The ACE questionnaire asks about exposure to 10 specific types of trauma from 0-18 years of age. Original Qs were drawn from areas in public health for which national programs were being developed in the 1990s. Other types of trauma also increase risk (accidents, unsafe neighborhood, etc). 1 point for any event per category.

   1 _ Physical abuse (Stats: 1 in 3.5 Americans)   6 _ Loss of a parent from divorce or separation
   2 _ Sexual abuse (1 in 5)                         7 _ Violent treatment of mother (1 in 10)
   3 _ Emotional abuse (1 in 9)                     8 _ Member of household mental illness (1 in 5)
   4 _ Physical neglect                             9 _ Member of household jailed (1 in 30)
   5 _ Emotional neglect                            10 _ Member of household substance abuse (1 in 4)

IV. ACE & Chronic Illness Facts & Stats

- 63% of population In U.S. has ACE score ≥ 1; 25% an ACE score of 2; 12.5% ACE ≥ 4 (see CDC)
- Life expectancy Is 20 years shorter with ACE ≥ 6; premature death 2x higher ACE ≥ 4
- Dose response Risk goes up with more ACEs; age at symptom onset decreases
- Depression Severity increases in adolescents with increasing score from 0 to 3 points
- Violence Offenders have greater history of ACEs. Each point increases risk
- Addictions Higher with ACEs regardless of drug availability, public opinion or spending
- Multigenerational Maternal ACE increase child’s risk physical & emotional health conditions
- Treatment When Drs ask about ACEs it validates, removes blame, & offers new tools
- Book & How To ACEs Overview & how one medical Dr screens for ACEs: The Deepest Well
- Autoimmune disease 20% increased risk with each additional point in ACE score; Recovery story
- Hospitalizations ≥ 70% higher for autoimmune disease with ACE of ≥ 2 vs ACE of 0

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References

* per email conversation with Dr. Felitti, spring 2018

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Adverse Childhood Experience (ACE) Questionnaire

1. Did a parent or other adult in the household often or very often... Swear at you, insult you, put you down, or humiliate you? or Act in a way that made you afraid that you might be physically hurt?
   No___If Yes, enter 1____

2. Did a parent or other adult in the household often or very often... Push, grab, slap, or throw something at you? or Ever hit you so hard that you had marks or were injured?
   No___If Yes, enter 1____

3. Did an adult or person at least 5 years older than you ever... Touch or fondle you or have you touch their body in a sexual way? or Attempt or actually have oral, anal, or vaginal intercourse with you?
   No___If Yes, enter 1____

4. Did you often or very often feel that... No one in your family loved you or thought you were important or special? or Your family didn’t look out for each other, feel close to each other, or support each other?
   No___If Yes, enter 1____

5. Did you often or very often feel that... You didn’t have enough to eat, had to wear dirty clothes, and had no one to protect you? or Your parents were too drunk or high to take care of you or take you to the doctor if you needed it?
   No___If Yes, enter 1____

6. Were your parents ever separated or divorced?
   No___If Yes, enter 1____

7. Was your mother or stepmother: Often or very often pushed, grabbed, slapped, or had something thrown at her? or Sometimes, often, or very often kicked, bitten, hit with a fist, or hit with something hard? or Ever repeatedly hit over at least a few minutes or threatened with a gun or knife?
   No___If Yes, enter 1____

8. Did you live with anyone who was a problem drinker or alcoholic, or who used street drugs?
   No___If Yes, enter 1____

9. Was a household member depressed or mentally ill, or did a household member attempt suicide?
   No___If Yes, enter 1____

10. Did a household member go to prison?
    No___If Yes, enter 1____

11. Are there any adverse childhood experiences in your life that should be added to the above list? *

Now add up your “Yes” answers: _______ This is your ACE Score

NOTE: In addition to the 10 specific types of trauma on the ACE questionnaire, other serious life events also increase risk for chronic illness, mental health conditions and other difficulties. Such events include the death of any close relative (when a parent, sibling or grandparent dies, for example, it affects a parent’s experience and consequently their ability to be emotionally present and available to their children etc); abuse of any member of the household and not only the mother; and much more. * spring 2018 email with Dr. Felitti

As neurologist and traumatologist Dr. Robert Scaer states, “any negative life event occurring in a state of relative helplessness--a car accident, the sudden death of a loved one, a frightening medical procedure, a significant experience of rejection--can produce the same neurophysiological changes in the brain as do combat, rape, or abuse. What makes a negative life event traumatizing isn’t the life-threatening nature of the event, but rather the degree of helplessness it engenders and one’s history of prior trauma.

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