Adverse Childhood Experiences (ACEs)

The Oklahoma Experience

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ACEs

- One of the largest investigations to assess associations between childhood maltreatment and later-life health and well-being

- Designed to investigate “scientific gaps”

- ACEs disrupt neurodevelopment
The ACE Pyramid

- Adverse Childhood Experiences
- Social, Emotional, & Cognitive Impairment
- Adoption of Health-risk Behaviors
- Disease, Disability, and Social Problems
- Early Death
- Death

Whole Life Perspective

Conception

Scientific Gaps
ACE Score

- ACE Score
- Cumulative impact
ACE Score, Cont.

- Exposure to any ACE is counted as one point on the score
- 0–10 range
ACE Questions

- Did you live with anyone who was depressed, mentally ill, or suicidal?
- Did you live with anyone who was a problem drinker or alcoholic?
- Did you live with anyone who used illegal street drugs or who abused prescription medications?
- Did you live with anyone who served time or was sentenced to serve time in a prison, jail, or other correctional facility?
- Were your parents separated or divorced?
- How often did your parents or adults in your home ever slap, hit, kick, punch or beat each other up?
- Before age 18, how often did a parent or adult in your home ever hit, beat, kick, or physically hurt you in any way? Do not include spanking.
- How often did a parent or adult in your home ever swear at you, insult you, or put you down?
- How often did anyone at least 5 years older than you or an adult, ever touch you sexually?
- How often did anyone at least 5 years older than you or an adult, try to make you touch them sexually?
Adverse Outcomes

- Adolescent health
- Teen pregnancy
- Substance abuse
- Sexual behavior
- Mental health
- Risk of re-victimization
- Relationships
- Workplace performance
Adverse Outcomes, Cont.

- Heart disease
- Chronic lung disease
- Liver disease
- Suicide
- Injuries
- STDs
- Other risks for the leading causes of deaths
National Findings

Household Dysfunction
- Substance Abuse 27%
- Parental Separation/Divorce 23%
- Mental Illness 17%
- Battered Mother 13%

Abuse
- Psychological 11%
- Physical 28%
- Sexual 21%

Neglect
- Emotional 15%
- Physical 10%
Alcohol abuse in the home and the risk of childhood abuse are strongly correlated.

Alcohol abuse in the home increases the risk of other household exposures.

Alcohol use and abuse in the home is correlated with alcohol-related problems.

ACE score is related to HIV risks.

ETC…….

Illustrates the interrelatedness of ACEs.
### National Findings, Cont.

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<th>ACEs</th>
<th>0</th>
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<th>≥ 3</th>
<th>≥ 4</th>
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National Findings Summary

- Males and females had relatively similar scores until higher ACE scores, where females had slightly more.
- Two-thirds reported at least one category of ACE.
- One in ten had a score of 5 or more.
- Dose response.
One of the strongest relationships was between ACE score and alcohol

ACE score and STDs
ACEs have a negative impact on the workforce

- Absenteeism, serious financial problems, and serious job problems

- Higher ACE score = higher rates of antidepressant prescriptions
ACEs in Oklahoma?

- 0 ACEs – 43.6%
- 1 ACE – 20.5%
- 2 ACEs – 11.3%
- 3 ACEs – 7.6%
- 4 ACEs – 6.8%
- 5 or more ACEs – 10.1%
# Oklahoma Profile—Sex

<table>
<thead>
<tr>
<th></th>
<th>Verbal abuse</th>
<th>Physical abuse</th>
<th>Sexual abuse</th>
<th>Mentally ill household member</th>
<th>Household member in prison</th>
<th>Substance-abusing household member</th>
<th>Parents separated / divorced</th>
<th>Witness domestic violence</th>
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<tr>
<td><strong>Oklahoma Total</strong></td>
<td>26.6%</td>
<td>16.0%</td>
<td>12.7%</td>
<td>17.3%</td>
<td>8.2%</td>
<td>28.0%</td>
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<td><strong>Sex</strong></td>
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<tr>
<td><strong>Men</strong></td>
<td>26.3%</td>
<td>15.5%</td>
<td>7.4%</td>
<td>15.4%</td>
<td>8.9%</td>
<td>26.8%</td>
<td>30.0%</td>
<td>17.5%</td>
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<tr>
<td><strong>Women</strong></td>
<td>26.9%</td>
<td>16.4%</td>
<td>17.9%</td>
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## Oklahoma Profile—Race/Ethnicity

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<th>Mentally ill household member</th>
<th>Household member in prison</th>
<th>Substance-abusing household member</th>
<th>Parents separated/divorced</th>
<th>Witness domestic violence</th>
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<tbody>
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<td>16.0</td>
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## Oklahoma Profile – Education

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<td><strong>&gt;High school</strong></td>
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<td>26.2</td>
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</table>

Oklahoma Adverse Childhood Experiences Module Results from the 2012 Behavioral Risk Factor Surveillance Survey
Thank You!

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