

# Adverse Childhood Experiences (ACEs)

The Oklahoma Experience

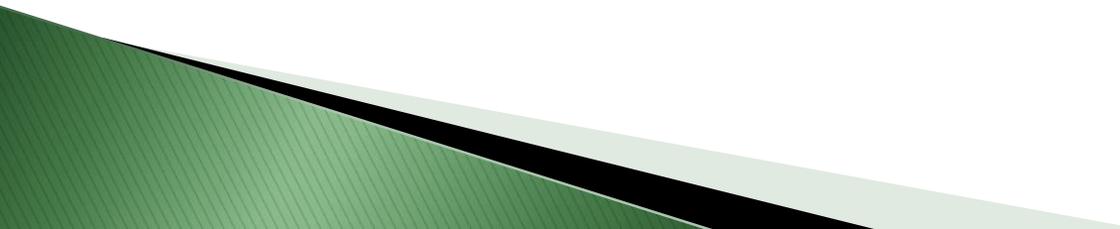
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**ODMHSAS**

*Creating Healthier Oklahoma Communities*

# ACEs

- ▶ One of the largest investigations to assesses associations between childhood maltreatment and later-life health and well-being
  - ▶ Designed to investigate “scientific gaps”
  - ▶ ACEs disrupt neurodevelopment
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# The ACE Pyramid



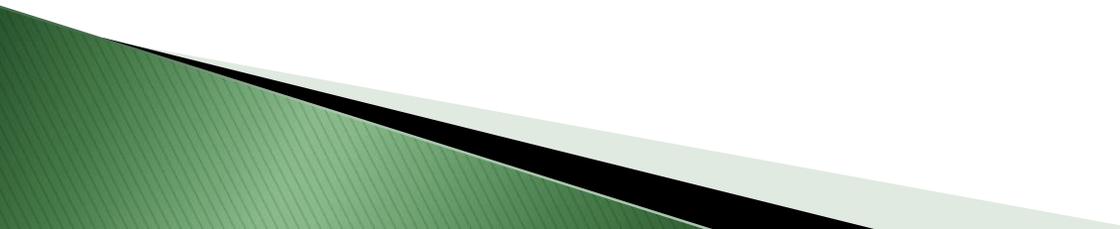
# ACE Score

- ▶ ACE Score
- ▶ Cumulative impact

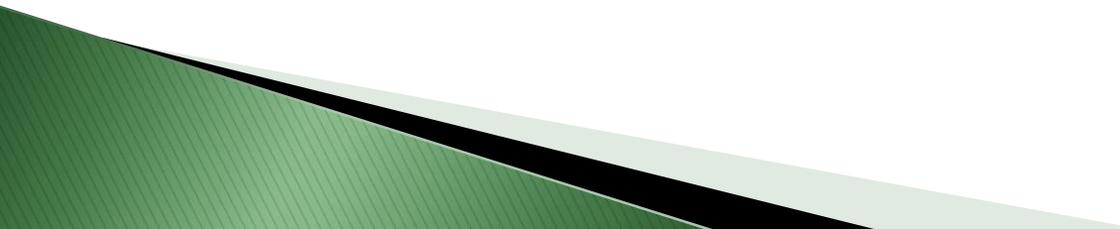
# ACE Score, Cont.

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

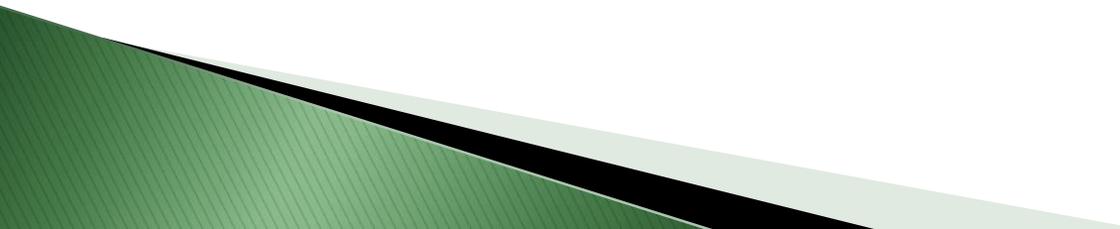
# ACE Questions

- ▶ 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?
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# Adverse Outcomes

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

- ▶ Heart disease
  - ▶ Chronic lung disease
  - ▶ Liver disease
  - ▶ Suicide
  - ▶ Injuries
  - ▶ STDs
  - ▶ Other risks for the leading causes of deaths
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# 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%

# National Findings, Cont.

- ▶ 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

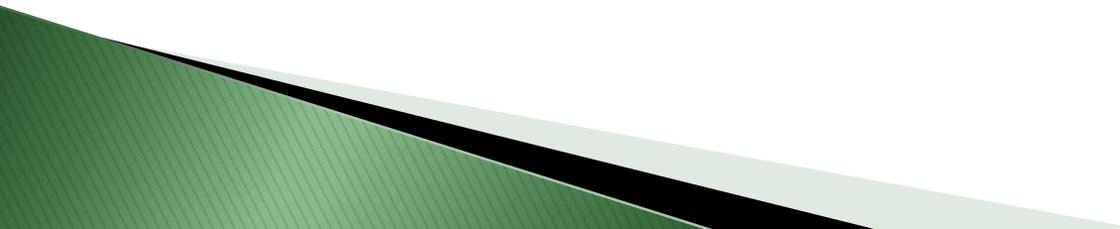
# National Findings, Cont.

<b>ACEs</b>	<b>0</b>	<b>≥ 1</b>	<b>≥ 2</b>	<b>≥ 3</b>	<b>≥ 4</b>	<b>≥ 5</b>	<b>≥ 6</b>
<b><u>Abuse</u></b>							
Emotional	2	98	90	77	62	42	25
Physical	17	83	64	46	32	20	12
Sexual	22	78	58	42	29	19	12
<b><u>Neglect</u></b>							
Emotional	7	93	79	63	47	32	19
Physical	11	89	75	61	50	37	24
<b><u>Household dysfunction</u></b>							
Parental separation or divorce	18	82	61	43	30	19	12
Household substance abuse	19	81	60	41	29	18	11
Household mental illness	16	84	65	48	34	21	13
Battered Mother	5	95	82	64	48	32	20
Crime	10	90	74	56	43	30	23

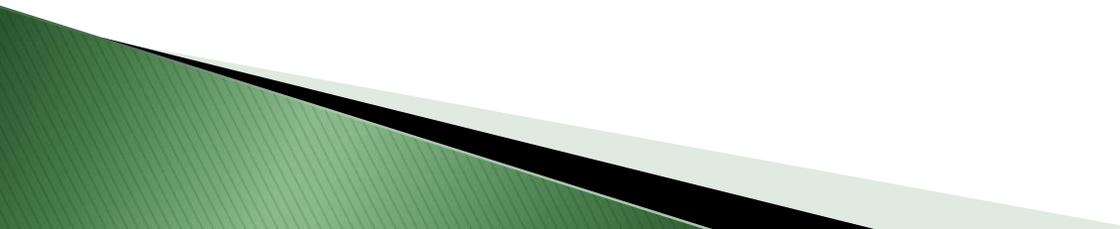
# National Findings Summary

- ▶ 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
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# National Findings Summary, Cont.

- ▶ One of the strongest relationships was between ACE score and alcohol
  - ▶ ACE score and STDs
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# National Findings Summary, Cont.

- ▶ ACEs have a negative impact on the workforce
  - ▶ Absenteeism, serious financial problems, and serious job problems
  - ▶ Higher ACE score=higher rates of antidepressant prescriptions
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# 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

	Verbal abuse	Physical abuse	Sexual abuse	Mentally ill household member	Household member in prison	Substance-abusing household member	Parents separated / divorced	Witness domestic violence
	%	%	%	%	%	%	%	%
Oklahoma Total	26.6	16.0	12.7	17.3	8.2	28.0	29.8	18.4
Sex								
Men	26.3	15.5	7.4	15.4	8.9	26.8	30.0	17.5
Women	26.9	16.4	17.9	19.0	7.5	29.1	29.5	19.2

# Oklahoma Profile—Race/Ethnicity

	Verbal abuse	Physical abuse	Sexual abuse	Mentally ill household member	Household member in prison	Substance-abusing household member	Parents separated/divorced	Witness domestic violence
	%	%	%	%	%	%	%	%
Oklahoma Total	26.6	16.0	12.7	17.3	8.2	28.0	29.8	18.4
Race/Ethnicity								
White, NH	26.8	15.6	13.2	18.2	7.5	27.4	28.3	16.6
Black, NH	27.1	10.7	19.0	12.5	13.4	27.4	40.5	23.0
American Indian, NH	31.6	15.6	11.5	18.9	15.5	34.7	35.2	23.4
Hispanic	17.5	19.1	14.8	9.5	4.1	24.1	23.8	22.6
Other, NH†	30.3	22.5	4.9	18.9	6.5	31.4	38.2	25.1

# Oklahoma Profile—Education

	Verbal abuse	Physical abuse	Sexual abuse	Mentally ill household member	Household member in prison	Substance- abusing household member	Parents separated/ divorced	Witness domestic violence
	%	%	%	%	%	%	%	%
Oklahoma Total	26.6	16.0	12.7	17.3	8.2	28.0	29.8	18.4
<High school	32.2	18.8	19	16.1	15.6	33.5	42.5	24.2
High school	23.4	15.8	10.8	15.0	6.2	28.4	28.7	18.7
>High school	27.0	15.3	12.2	18.9	7.3	26.2	27.0	16.7

# References

Anda RF. The health and social impact of growing up with alcohol abuse and related adverse childhood experiences: the human and economic costs of the status quo. Retrieved electronically from: [http://www.nacoa.org/pdfs/Anda%20NACoA%20Review\\_web.pdf](http://www.nacoa.org/pdfs/Anda%20NACoA%20Review_web.pdf)

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

# Thank You!

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