In the Kaiser Health Plan

ACEs have a strong influence on: -adolescent health -reproductive health -smoking -obesity -alcohol abuse -illicit drug abuse -sexual behavior -mental health - risk of revictimization -stability of relationships -performance in the workforce

In the Kaiser Health Plan

ACEs increase the risk of:

- -Early death
- -Heart disease
- Chronic Lung disease
 - -Lung cancer
 - Liver disease
- -Autoimmune diseases
 - Suicide
 - Injuries
 - -HIV and STDs

Conclusion

ACEs determine the health and social well-being of members of the Kaiser Health Plan

A Public Health Framework

Create a common terminology and conceptual framework

Education:
General Public
Human Service Providers
Policymakers
Legislators

A Public Health Framework

Identify the scope of the problem—what are we dealing with?

Population-based approaches

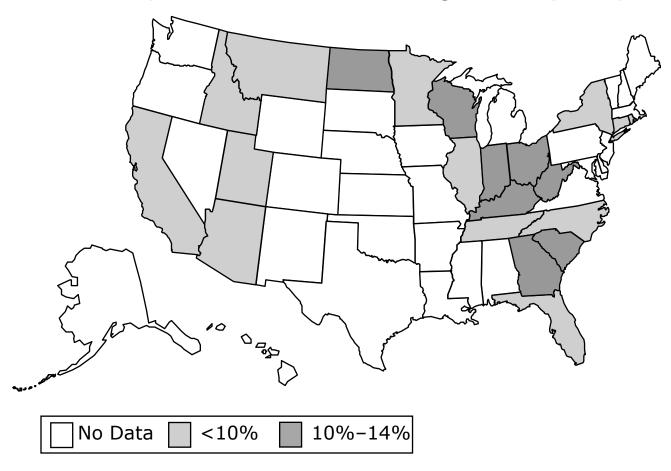
Getting Leverage

Population-Based Surveys and Surveillance

- -Document need and are useful to obtain funding and political support
- -Useful for program planning and evaluation
- -Surveillance maintains focus and momentum

Obesity* Trends Among U.S. Adults, 1985

(*BMI >=30, or ~ 30 lbs overweight for 5'4" person)

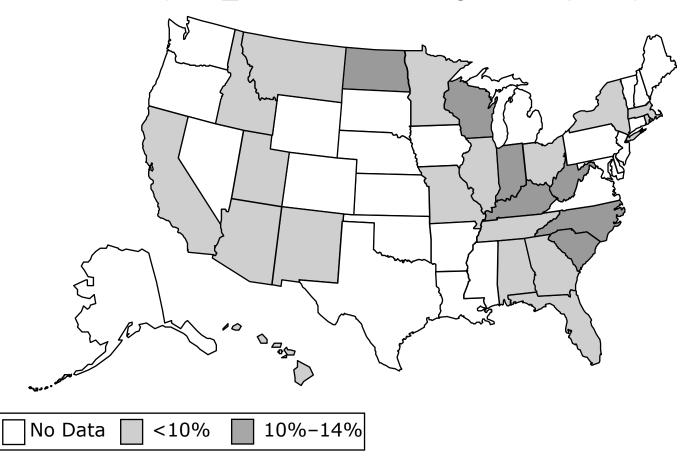






Obesity* Trends Among U.S. Adults, 1986

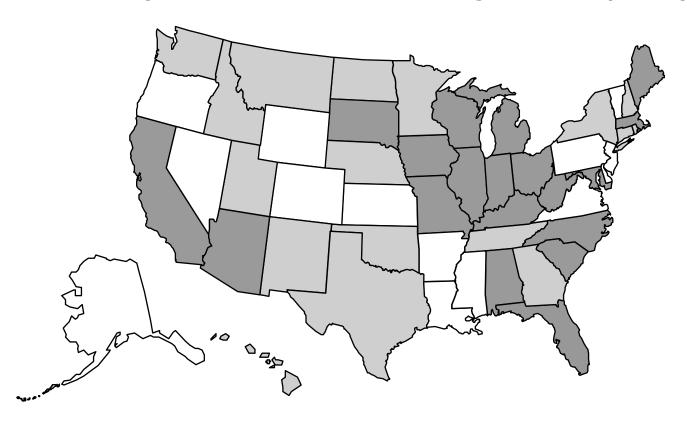
(*BMI ⋈ 30, or ~ 30 lbs overweight for 5'4" person)





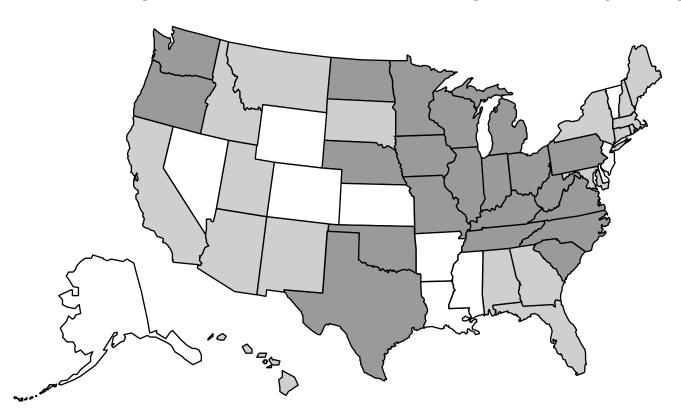


(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)



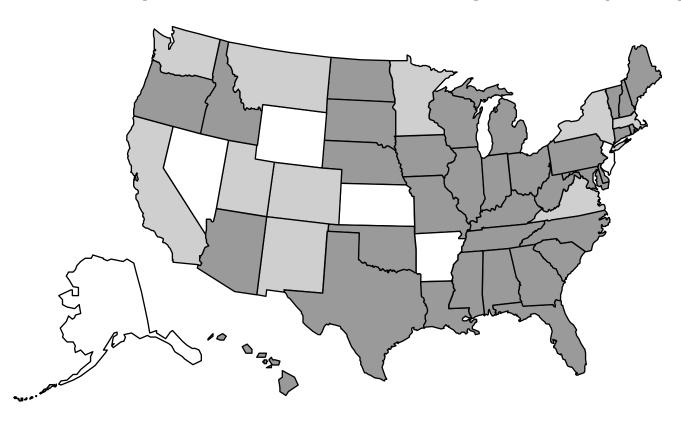
☐ No Data ☐ <10% ☐ 10%-14%

(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)



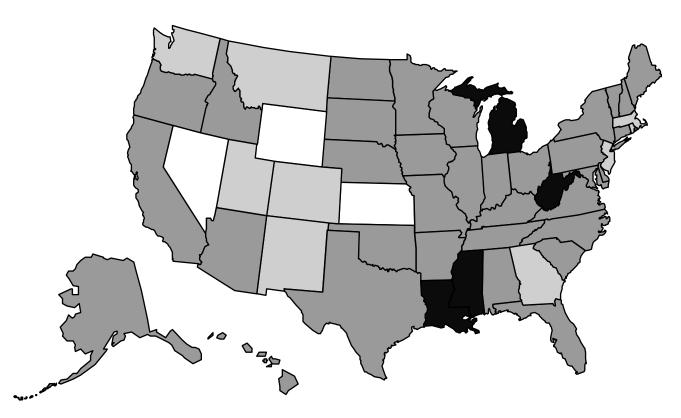
☐ No Data ☐ <10% ☐ 10%-14%

(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)

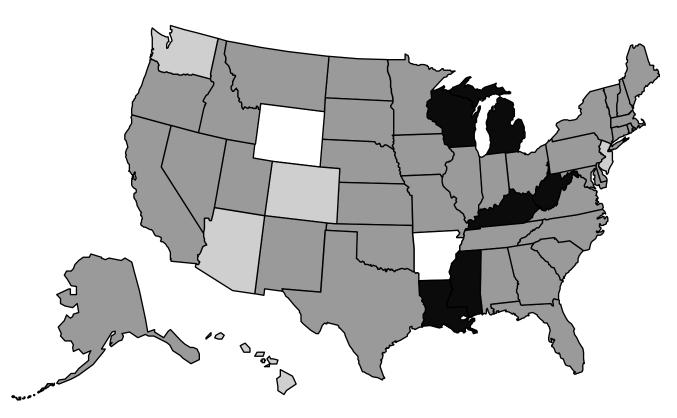


☐ No Data ☐ <10% ☐ 10%-14%

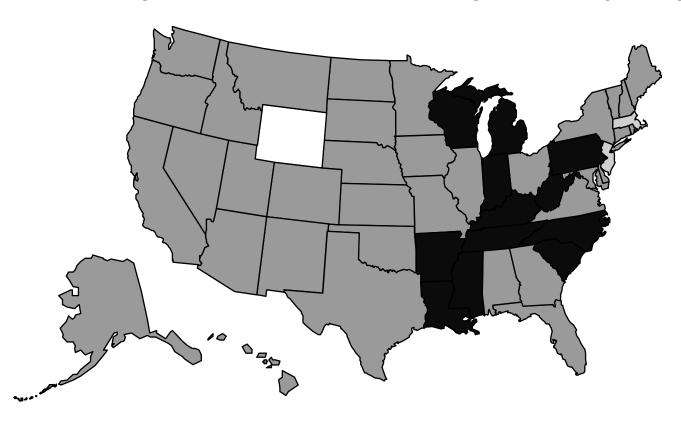
(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)



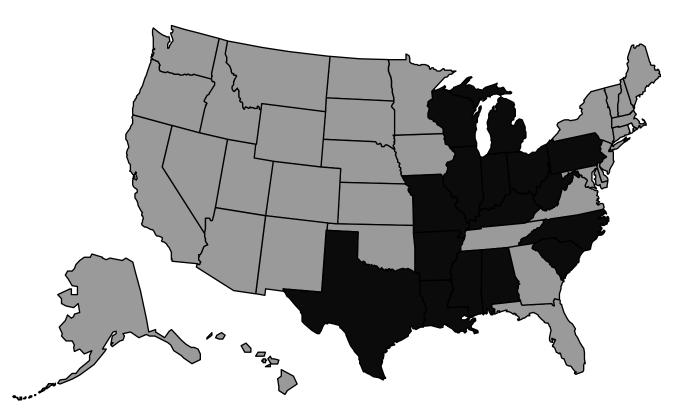
(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)

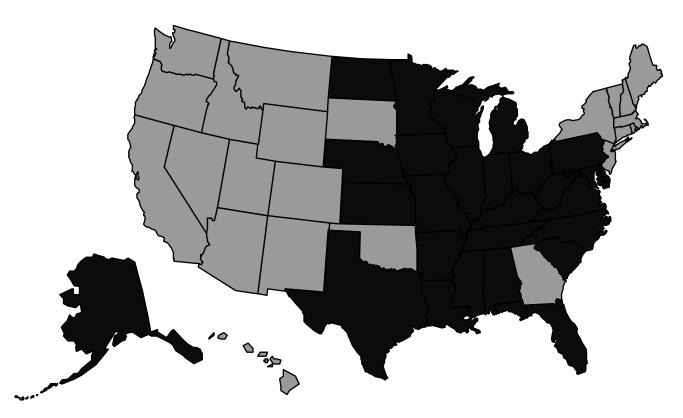


(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)



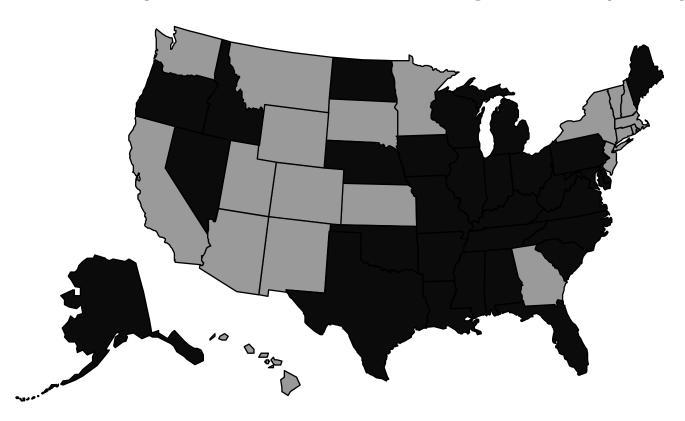
(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)





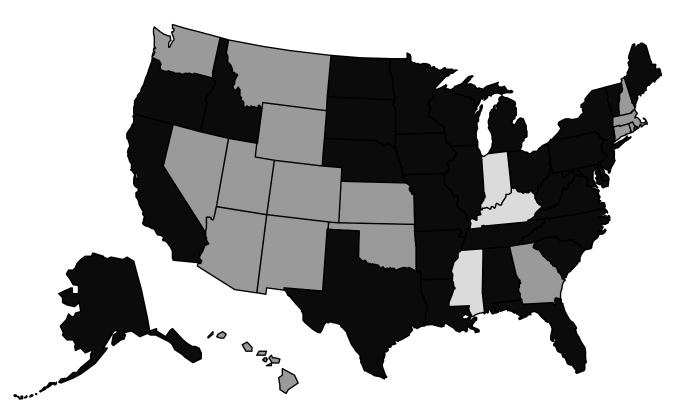


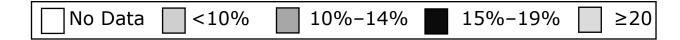
(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)

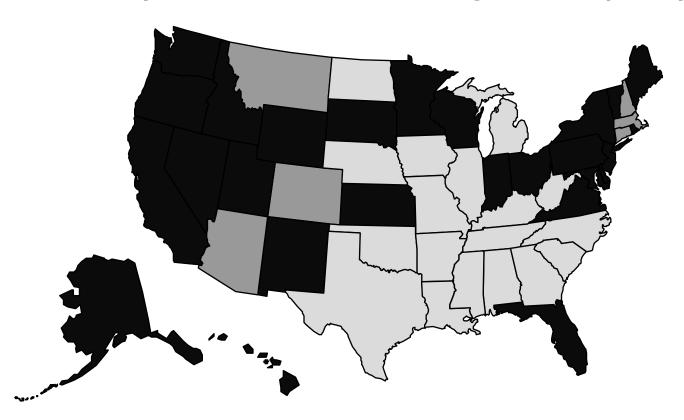


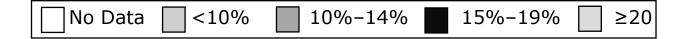
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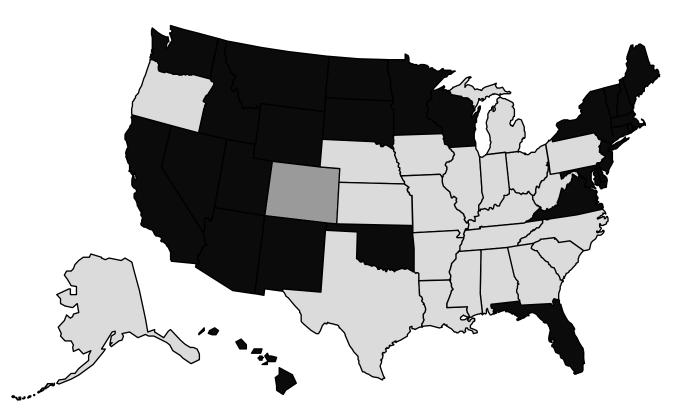
 □ <10%
 □ 10%−14%
 □ 15%−19%
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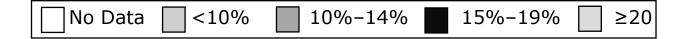


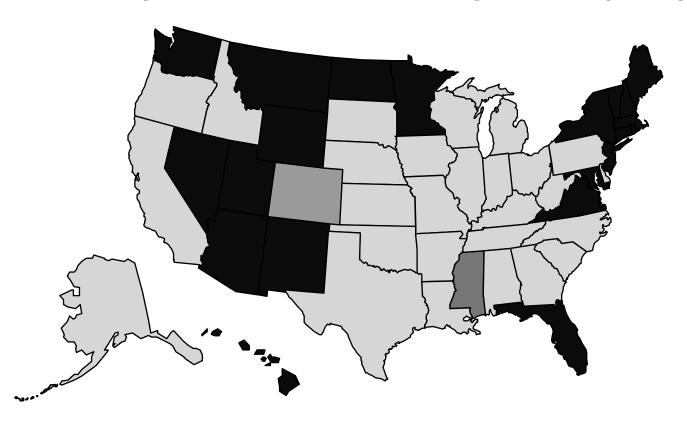




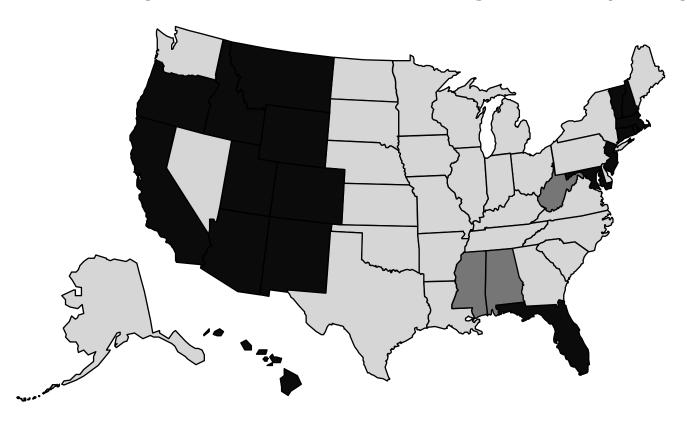


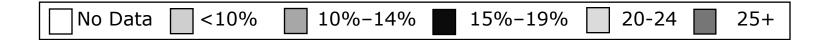


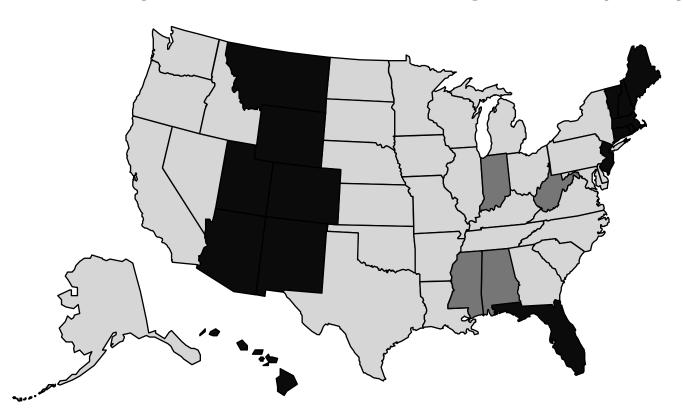


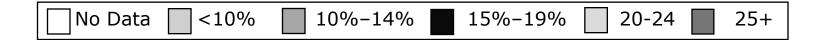


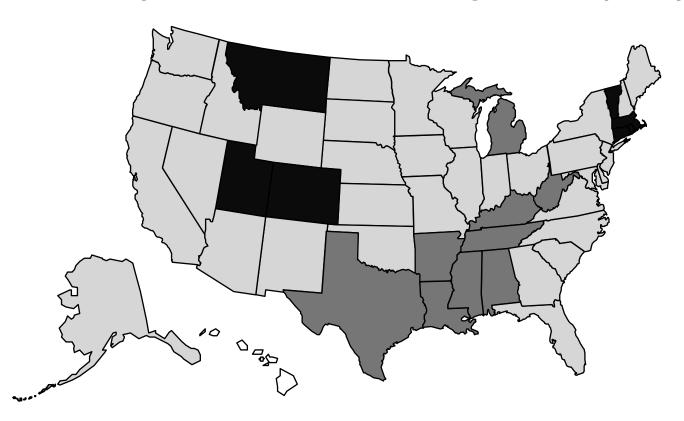


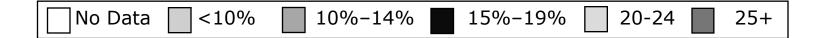


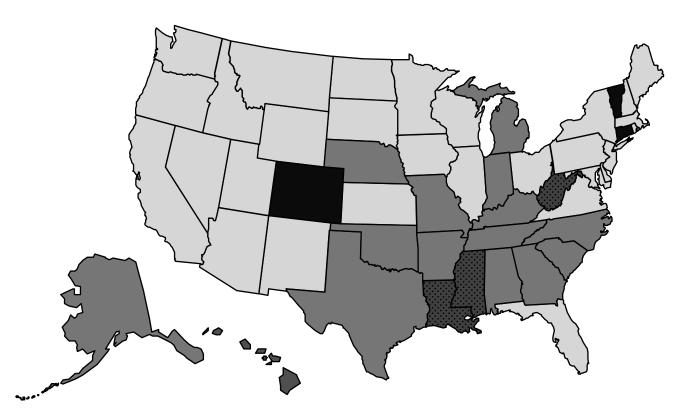






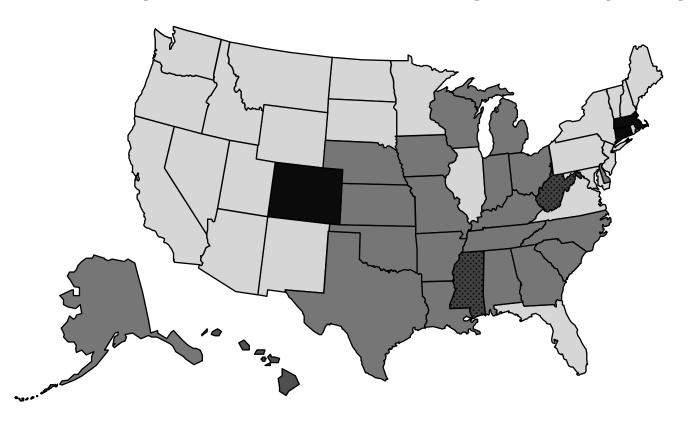


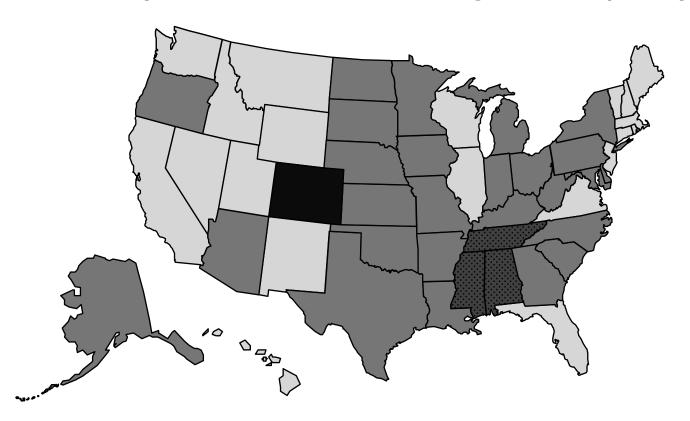






(*BMI ≥30, or ~ 30 lbs overweight for 5′ 4″ person)

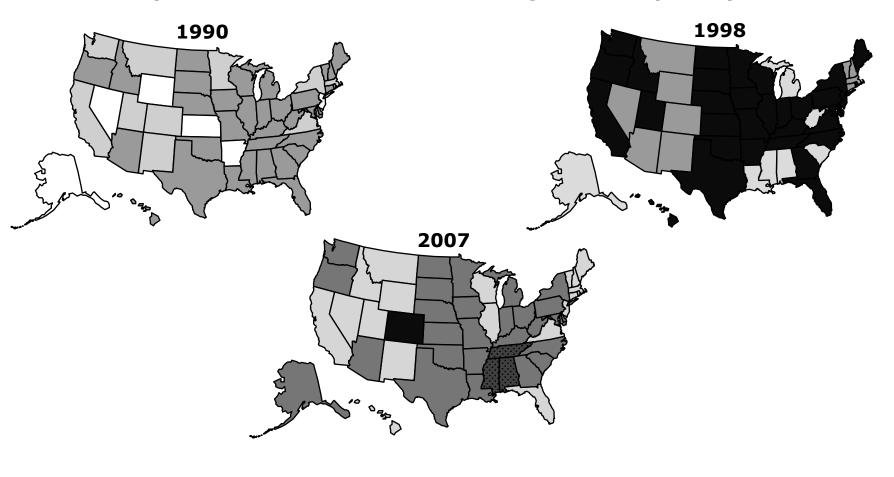






Obesity Trends* Among U.S. Adults BRFSS, 1990, 1998, 2007

(*BMI ≥30, or about 30 lbs. overweight for 5'4" person)



No Data

<10%

10%-14%

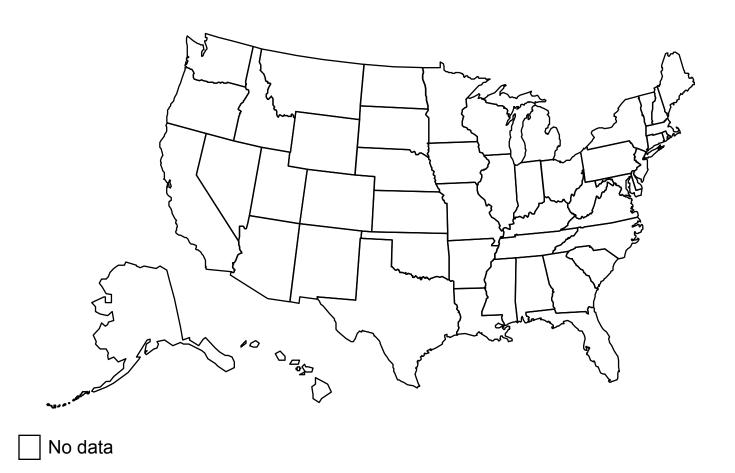
15%-19%

20-24

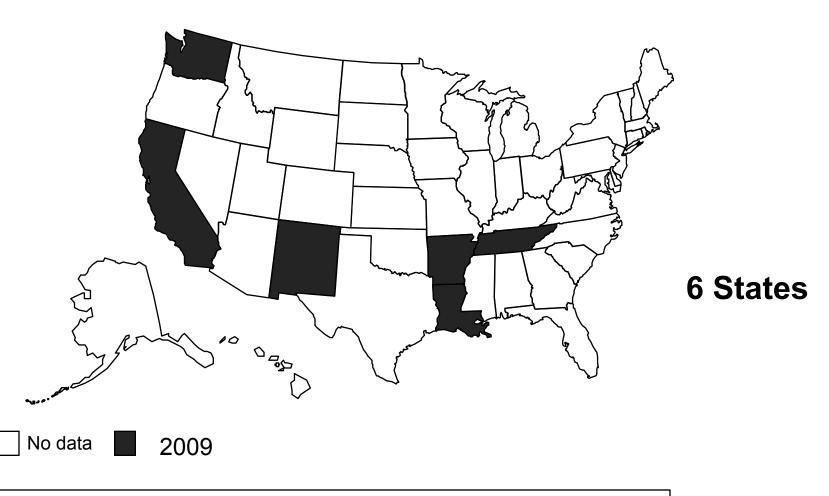
25-29

30+

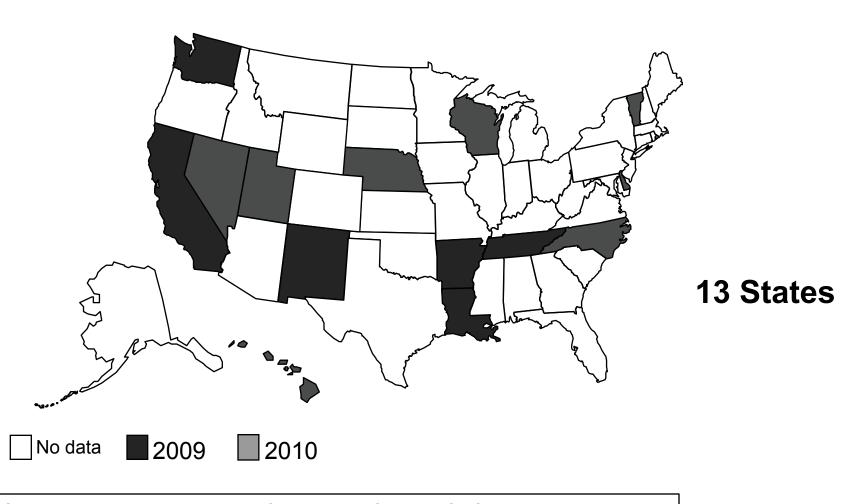
States Collecting ACE Data in 2008



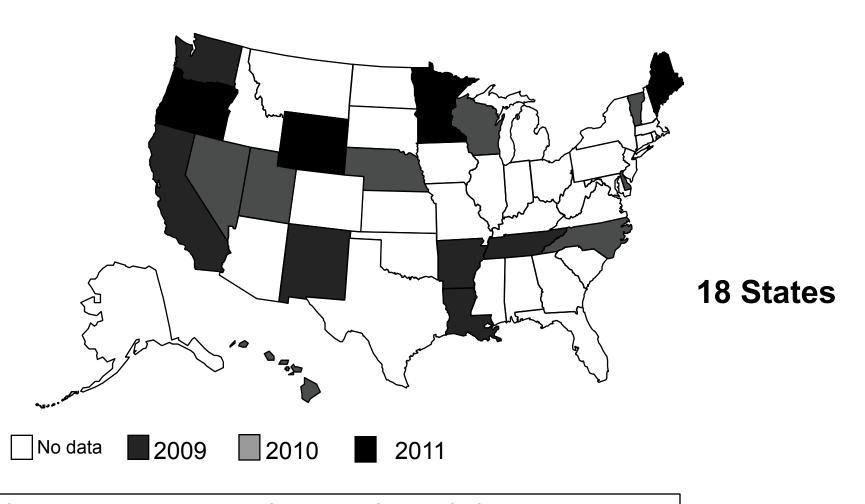
States Collecting ACE Data 2009



States Collecting ACE Data 2009-2010



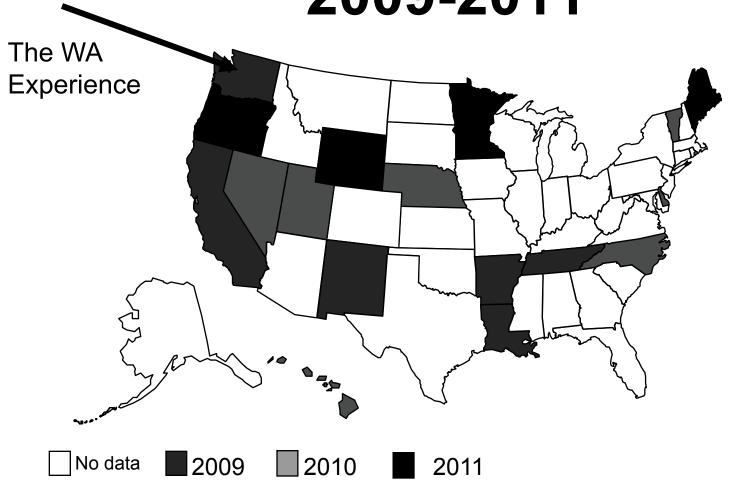
States Collecting ACE Data 2009-2011



Washington State

Added Public Health
Surveillance of ACEs
to the
Efforts in 2009

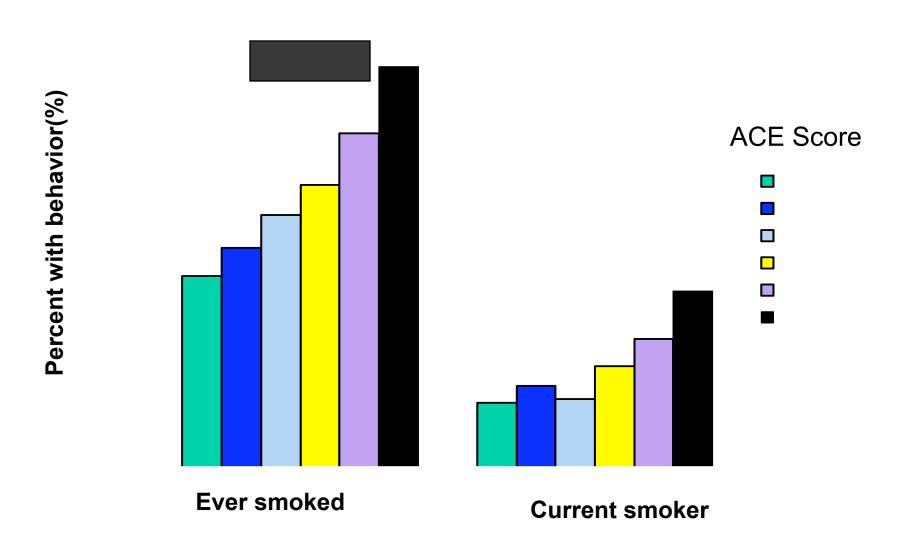
States Collecting ACE Data 2009-2011



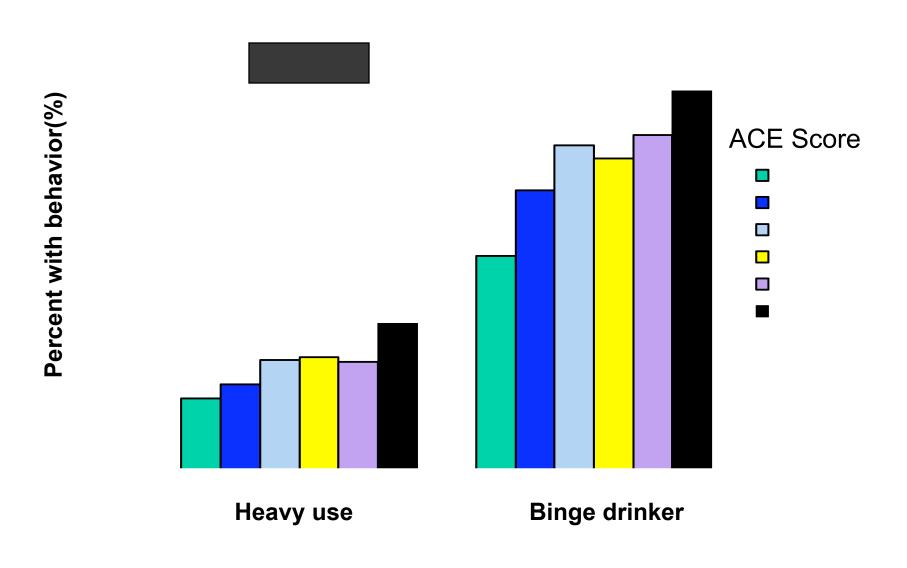
Adverse Childhood Experiences Score in the Kaiser Health Plan and in Washington

	Kaiser	Washington
ACE score	Prevalence	Prevalence
0	33%	38%
1	26%	21%
2	16%	14%
3	10%	10%
4 or more	16%	17%

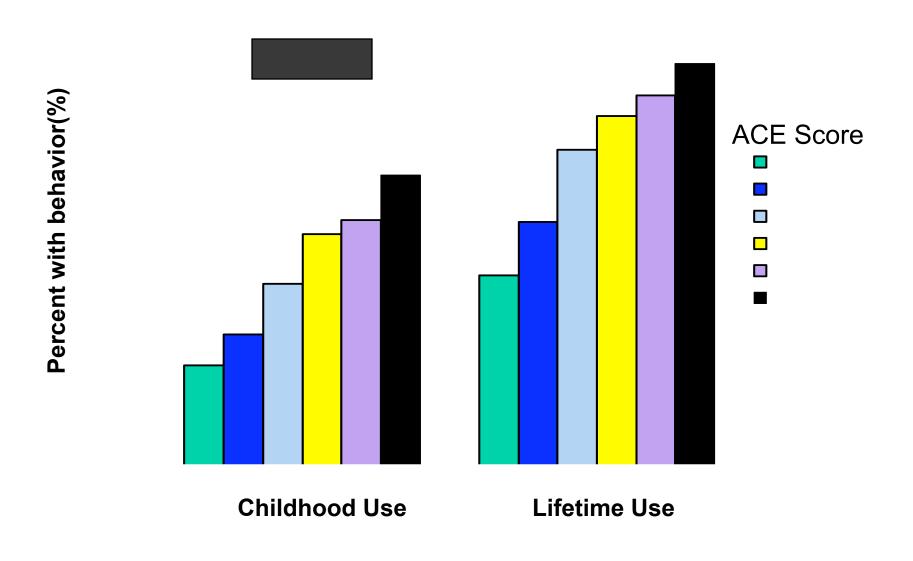
The ACE Score and Smoking in Washington, 2009



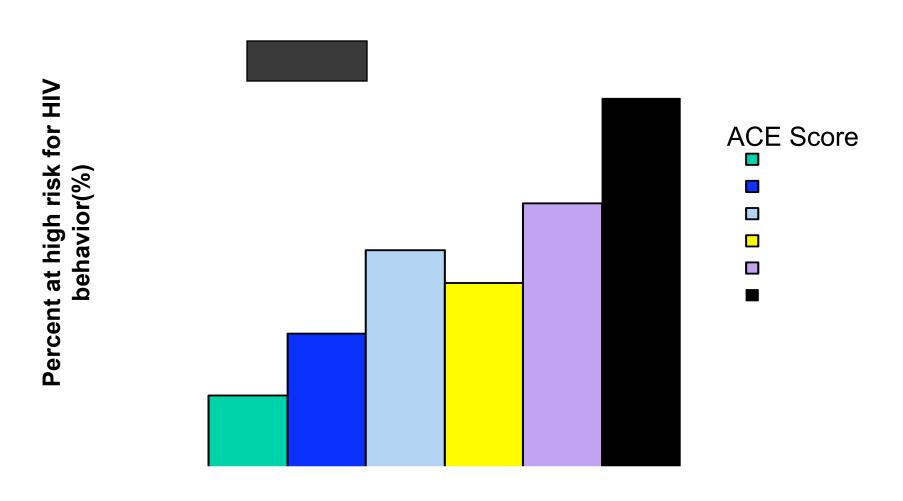
The ACE Score and Alcohol Use in Washington, 2009



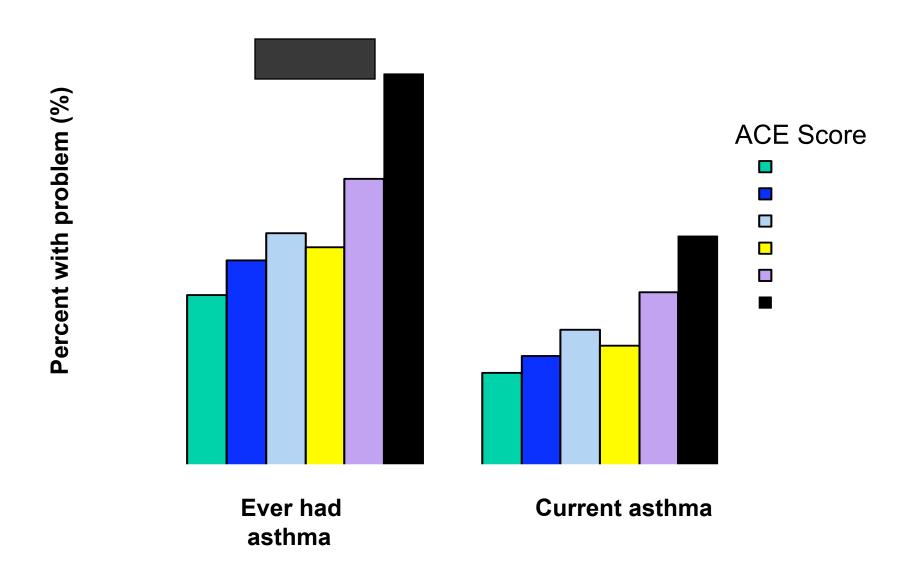
The ACE Score and Marijuana in Washington, 2009



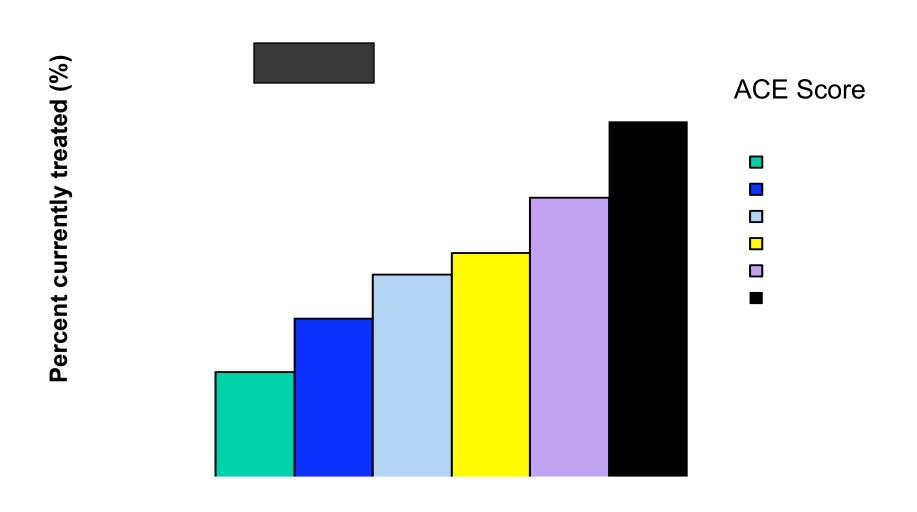
The ACE Score and High Risk for HIV Infection in Washington, 2009



The ACE Score and Asthma in Washington, 2009



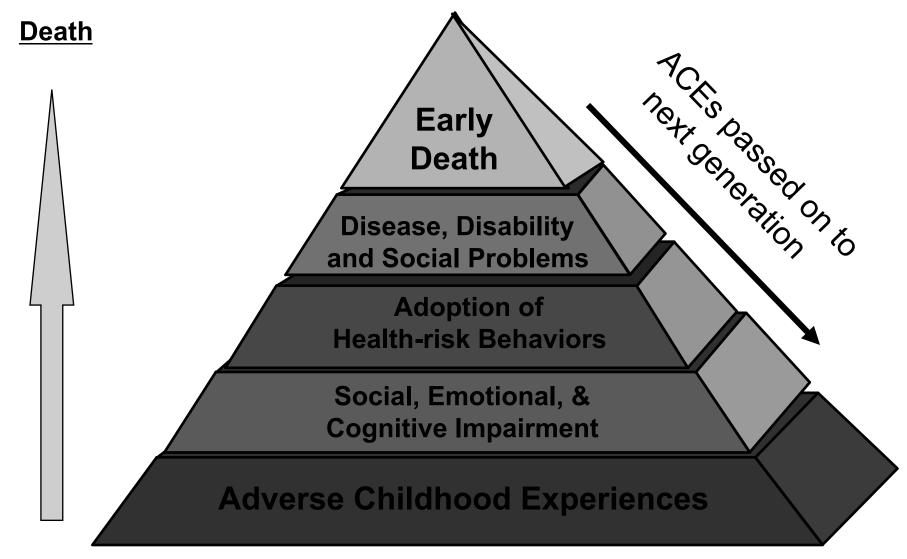
The ACE Score and Current Treatment for a Mental Health Condition in Washington, 2009



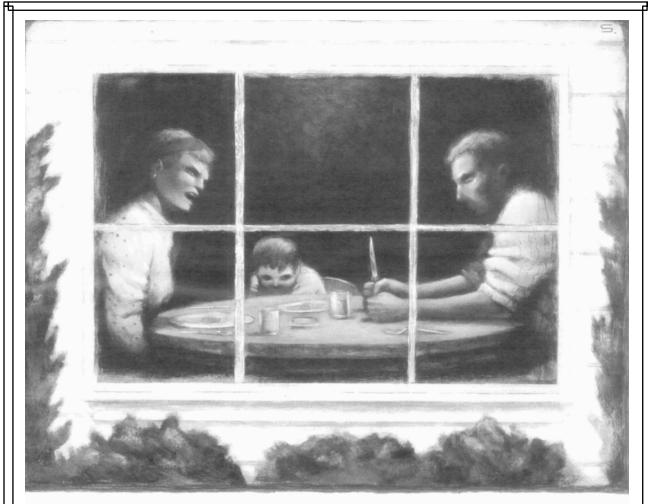


HEALTH AND SOCIAL PROBLEMS SHOWN TO HAVE A GRADED RELATIONSHIP TO THE ACE SCORE IN WASHINGTON

Type of Problem	Outcome Associated with Adverse Childhood Experience
Prevalent Diseases	Cardiovascular disease, cancer, asthma
Risk Factors for Common Diseases /Poor Health	Smoking, heavy drinking, binge drinking, obesity, high perceived risk of AIDS, taking painkillers to get high, marijuana use
Poor Mental Health	Sleep disturbances, frequent mental distress, nervousness, mental health or emotional problem requiring medication, emotional problems that restrict activities
General Health and Social Problems	Fair or poor health, life dissatisfaction, health-related quality of life
Risk for Intergenerational Transmission	Mental Illness: depression, anxiety, emotional problems that restrict activities, medication for mental health conditions Drugs and Alcohol: Use of painkillers to get high, use of marijuana, smoking, heavy drinking, binge drinking Loss of a Parent: Divorced-widowed-separated

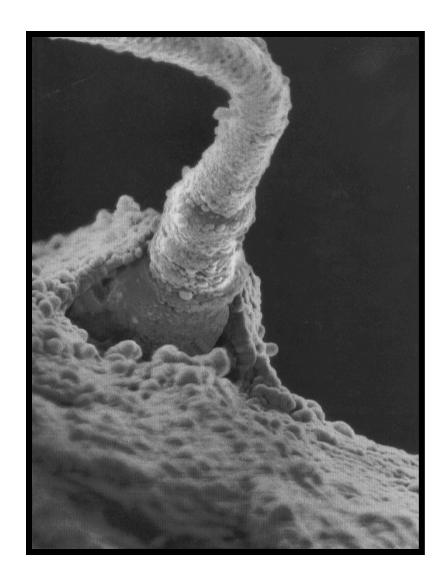


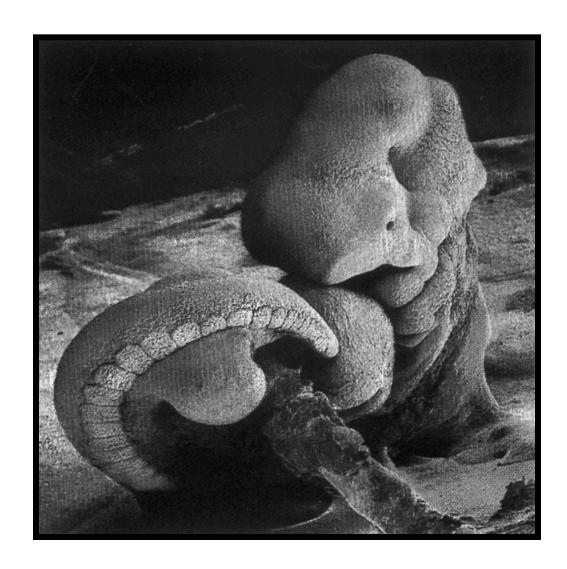
Conception

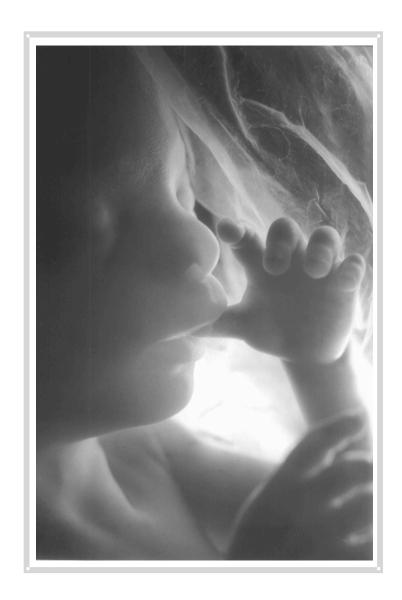


Seeing the Pain

America's physicians confront family violence









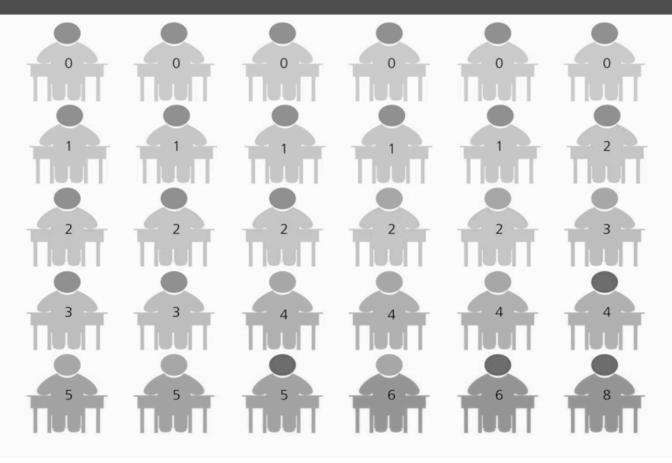
Washington School Classroom (30 Students) Adverse Childhood Experiences (ACEs)

6 students with no ACE
5 students with 1 ACE
6 students with 2 ACEs
3 students with 3 ACEs
7 students with 4 or 5 ACEs
3 students with 6 or more ACEs

58% (17) students with <u>no</u> exposure to physical abuse or adult to adult violence 29% (9) of students exposed to physical abuse <u>or</u> adult to adult violence

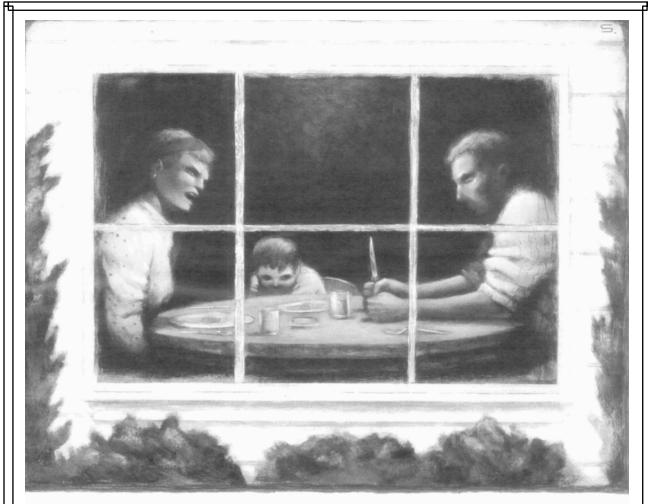
13% (4) of students exposed to physical abuse <u>and</u> adult to adult violence

Population Average



Secretary of Department of Human Services

In November, 2010 declared that the systems she administers cannot function properly without addressing the effects of ACEs



Seeing the Pain

America's physicians confront family violence

Washington Family Policy Council

Has a statewide network of 42 community programs

10 years ago:

 unified around the themes of early childhood brain development
 and understanding the effects of ACEs

Where They Are..

Translating Science Into Action Using a Public Health Framework

Washington Family Policy Council

Professional Education

Numerous Conferences Throughout the State for All Disciplines

Public Education Strategy

Training the Trainers
Has reached tens of thousands

Washington Family Policy Council

Mapping of Community Capacity/Health—ACES

42 Community Collaborative Groups Investing in the People of Washington

Educating Washington's Children

Washington State University
The role of ACEs in the academic performance
and health of students in Spokane public schools

Community Commitment to Children
Walla Walla
Gates Foundation
Washington Family Policy Council

Disability Lifeline Reform

Prevention of ACE-related disability Improve quality of life and productivity

&

Reduce costs of care

State Legislators Family Policy Council

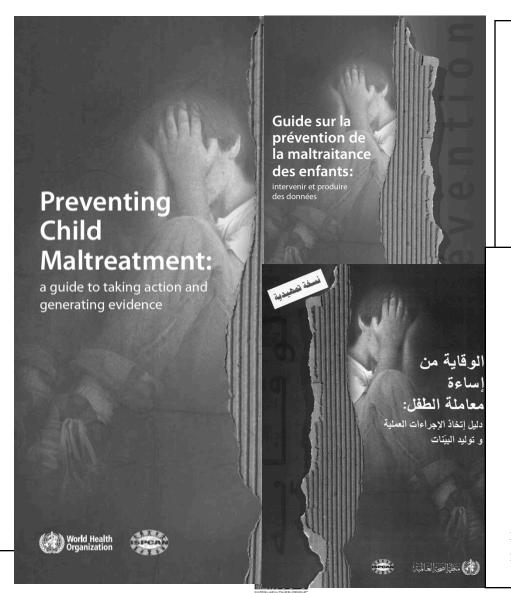
Compassionate Schools-Washington

Students with ACEs:

·Are 2 ½ times more likely to fail a grade
·Score lower on standardized tests
·Have language difficulties
·Are suspended or expelled more
·Are designated to special education more frequently
-Have poorer health

Courtesy of Maurene Stanton
Interim Director
Northwest Educational Service District

ACEs: A Global Challenge



附录 1

童年期负性经历研究问卷

家庭健康中、女性

这些问卷引自应用于美国加利福尼亚州童年期负性经历研究的版本。其中一些条目(如社会人口学问题 1b, 3a, 3b, 教育问题 4, 11a, 11b) 要根据当地情况进行调整。

- 1. 你的出生日期?
 - _____年___月
- lb. 你出生在哪个州?

- 5. 你目前的婚姻状况?
 - 你现在…
 - □ 已婚
 - □ 没有结婚但和伴侣住在一起

Adverse Childhood Experiences (ACE) and Health-Risk Behaviors among Adults in a Developing Country Setting

Bernadette J. Madrid and Laurie S. Ramiro University of the Philippines Manila and Child Protection Unit Network Inc.

This study aimed to determine the relationship between adverse childhood experiences, health-risk behaviors and the occurrence of certain diseases, in a developing country setting. One thousand and sixty-eight (1,068) males and females aged 35 years and above, and residing in the selected urban communities in Quezon City, Philippines participated in the study. Using the Adverse Childhood Experiences (ACE) Questionnaires developed by the US Center for Disease Control and Kaiser Permanente, the results revealed that sexual abuse and having a smoker and an alcoholic in the home were the most common adverse experiences in childhood. The probability of being exposed to more than one category ranged from 7 percent to as high as 86 percent. Significantly more categories of exposure were found among males, those belonging to the middle socio-economic class and those who had lower levels of education. This present study revealed that certain health-risk behaviors occur even with only a single exposure or two. The results also show that just about two types of exposures can result in various diseased conditions.

Key words: adverse childhood experiences, health-risk behaviors, developing country, Philippines









Secretary of Department of Human Services

Proposed to the Governor that a new entity be formed to prevent the effects of ACEs...

A public-private partnership of the Family Policy Council, foundations, corporations, and others.

Signed into law in December, 2010.



Beham, (Hans) Sebald (1500-1550): Hercules slaying the Hydra, 1545 from The Labours of Hercules (1542-1548).

"Turning our backs on the developmental effects of toxic stress is unacceptable.. it is time to lay the path."

Laura Porter

Washington Family Policy Council

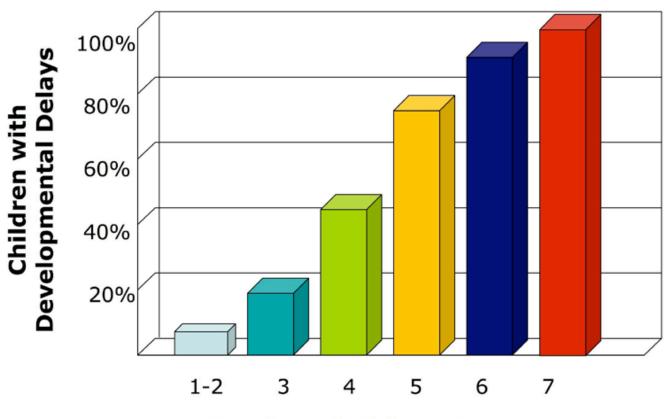
Casey Family Programs
Family Policy Council
Washington State Mentors
"Think Tank"
10/3/2010

Think...

Intergenerational



Significant Adversity Impairs Development in the First Three Years



Number of Risk Factors

Source: Barth et al. (2008)