

## Overweight and Obesity in Teens in Foster Care

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## Adverse Childhood Experiences Studies ACE Study

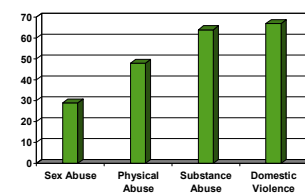
- ▶ Weight-loss program SD Kaiser-Permanente
- ▶ Vincent Felitti, MD (Internist) notices relapse
  - ▶ Patients with adverse childhood experiences
- ▶ Conducts health risk assessment 18,000+
  - ▶ Partners with Centers for Disease Control
- ▶ Series of studies correlating ACEs with adult health and behavioral outcomes.
- ▶ Ongoing: [www.ACEstudy.org](http://www.ACEstudy.org)

## PREP Data

1999 and 2006

- ▶ 996 children entered foster care
- ▶ 246 infants age 0-1
- ▶ 222 children age 2-5
- ▶ 285 children age 6-11
- ▶ 243 teens age 12-17

## % PREP Foster Children with Adverse Childhood Experience



### PREP Data Adverse Childhood Events

- ▶ 882 (89%) neglect
- ▶ 635 (64%) exposed to domestic violence
- ▶ 445 (45%) physical abuse
- ▶ Girls (32%) sexual abuse (Teens)
- ▶ Boys(21%) sexual abuse (Teens)
- ▶ 52 ( 5%) parent death (10% Teens)
- ▶ 35% had >= 4 adverse childhood events

### PREP Data Obesity (>95%)

- ▶ 28% of the teens were >95% BMI, more double the 10.9% rate reported for Maine HS students
- ▶ Adjusted for age & sex, depressed children were twice as likely to be overweight
- ▶ Children with PTSD and depression were 3 times more likely to be overweight
- ▶ SSRI use was not associated with overweight, stimulant use was negatively associated with overweight

### Study of rates of Obesity and Overweight in Teens 2004-2005 Boys

	# 85th to 94th	# 95th and above	
▶ PREP (125)	16.00%	28.8%	44.8%
▶ KPEDS (461)	18.00%	22.1%	40.1%
▶ KPEDS Boys (250)	16.40%	25.2%	41.6%
▶ PREP Boys (55)	17.86%	19.6%	37.46%
▶ KPEDS Non Med Boys (196)	18.37%	23.0%	41.37%
▶ KPEDS Medicaid Boys (54)	9.26%	33.3%	42.56%

- ▶ Boys in foster care more likely to be treated with stimulants

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▶ KPEDS Girls (211)	19.91%	18.5%	38.41%
▶ PREP Girls (70)	14.29%	35.7%	49.99%
▶ KPEDS Non Med Girls (165)	18.79%	15.2%	33.99%
▶ KPEDS Medicaid Girls (46)	23.91%	30.4%	54.31%

- ▶ Girls in foster care more likely to have depression

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