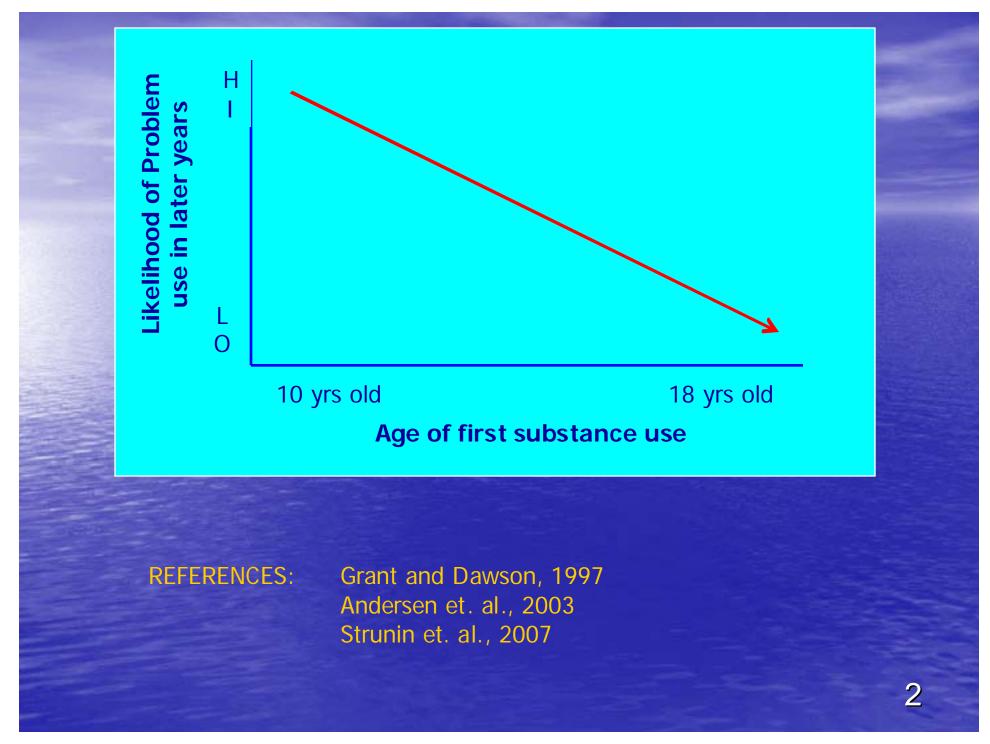


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New Florida DCF requirements in 2006 to measure early initiation.

What is the best measure of progress in delaying the onset of substance use among youth in a community?

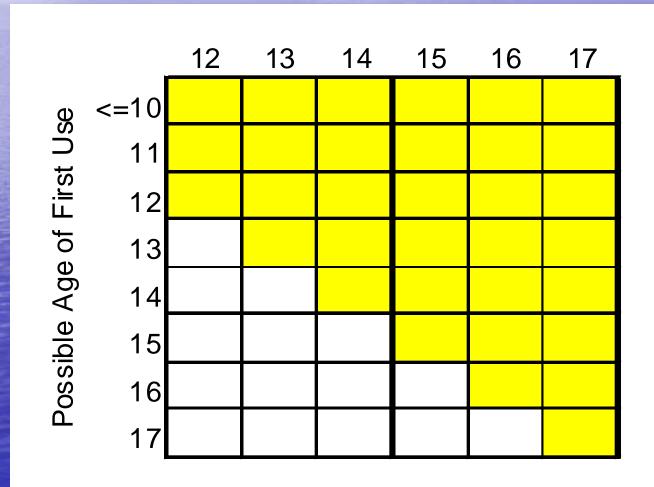
Average age of first use?

- Intuitively logical
- SAMHSA Prevention NOM (Block Grant)
 - Alcohol
 - Cigarettes
 - Other tobacco
 - Marijuana
 - Other illegal drugs
- Pre-populated with data from NSDUH
 - Age 12-17

BUT...

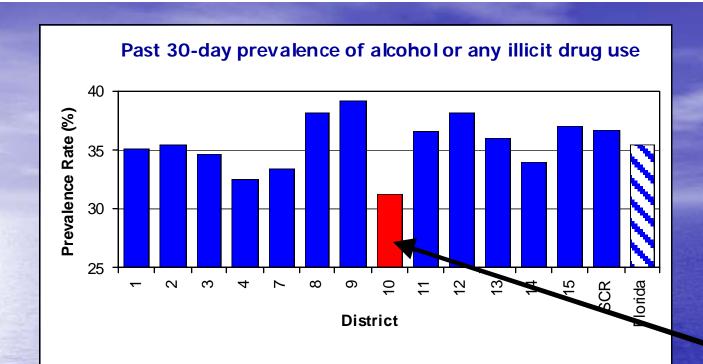
- Distorts true picture
- Skews true number downward
 - younger youth that have used are included
 - younger youth that have not used, but will before adulthood NOT included
 - Yet reported as "average age of first use among 12-17 year old youth"

Possible ages of first use, by current age

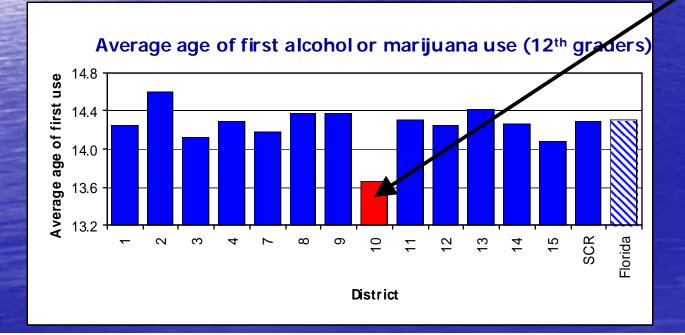


Florida's initial solution (2006)

- Calculate average age of first use of HS Seniors only
 - Minimizes skewing of averages
 - Only "misses" those that will use for the first time between survey administration and graduation
- May take years to see changes
- Not a perfect measure, but better
- ONDCP Drug Free Community Grants have similar reporting requirements at 3 levels



Broward County



Broward County Irony

 Consistently among the lowest 30-day prevalence rates for all substances among Florida's 67 counties

AND

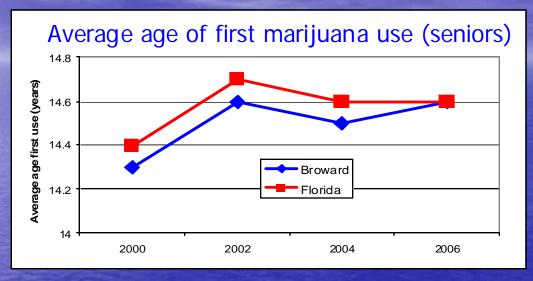
 By far the earliest average age of first use of alcohol or marijuana in 2006

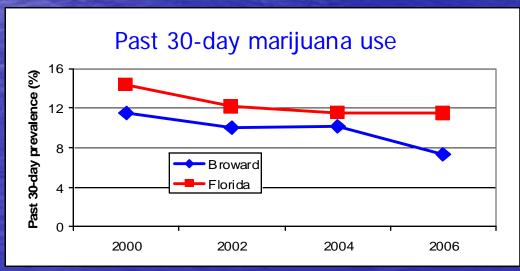


Questions to answer

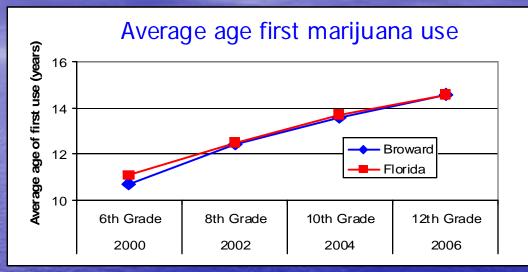
- How does Broward County compare to the state over time?
- If the cohort of students that were seniors in 2006 was followed from the time they were in 6th grade (2000), how does Broward County compare to the state?
- If we examine single-grade-level prevalence averages over time, how does Broward County compare to the state?
- Past 30-day marijuana use examined.

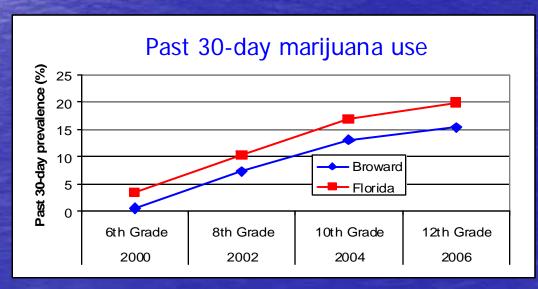
Broward vs. Florida trend



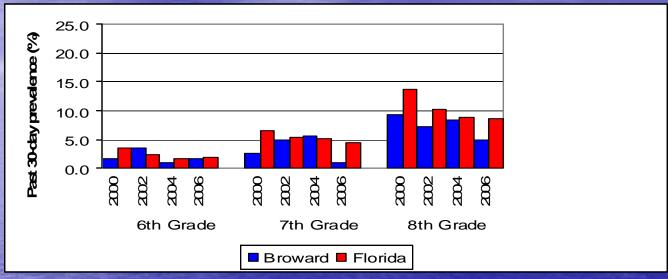


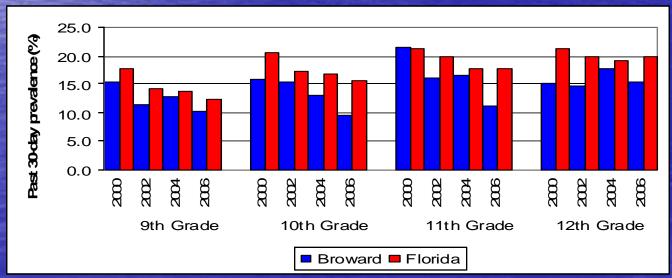
Single grade cohort trend comparison





Grade level prevalence trend comparisons





Conclusion

- Broward HS youth less likely to <u>use</u> or to <u>initiate</u>
 marijuana use than Florida HS youth
- The Broward Class of 2006 has consistently had an average age of first marijuana use similar to Florida youth as a whole, but has consistently shown a lower prevalence rate of use since 2000
- Although Broward students in grades 8 through 12 use at a lower rate than Florida youth as a whole, their average age of first use is lower

Recommendations

- Calculate percentage of early initiators of substance use
 - Denominator: <u>14 years</u> or older & in <u>high school</u>
 - Numerator: <u>began</u> using at age <u>13 or earlier</u>
- Operationally defined as percent of high school students that began using in middle school or earlier

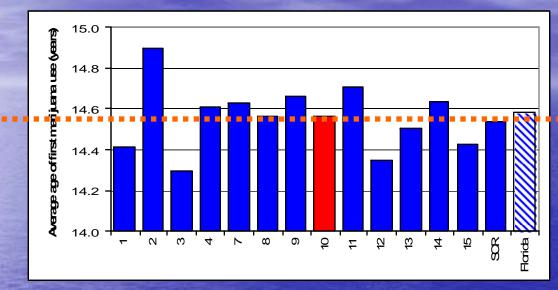
NOTE: CSAP promotes state drug epidemiology workgroups through grants or contracts, and requires reporting of % of 9th – 12th grade students who report first use before age 13

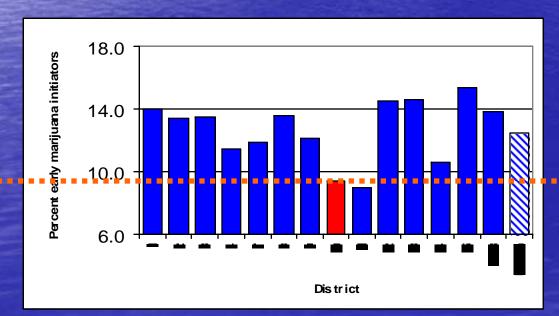
An Extreme Hypothetical Example of the Difference Between 2 Measures 100 Seniors per county

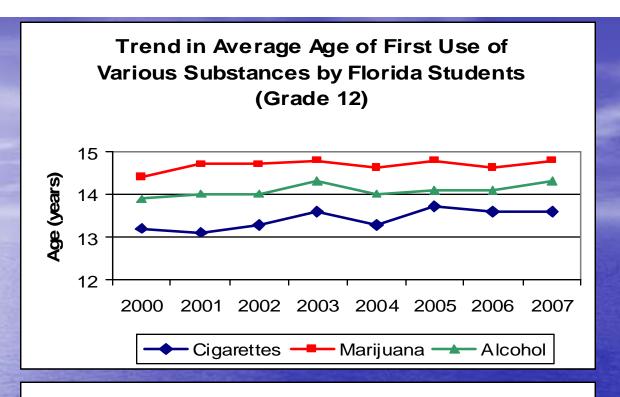
	County A	A County B	
Age first use	# users	# users	
10	2	2	
11	4	4	
12	6	6	
13	10	10	
14	15	0	
15	10	0	
16	12	0	
17	15	0	
TOTAL	74	22	
N	100	100	

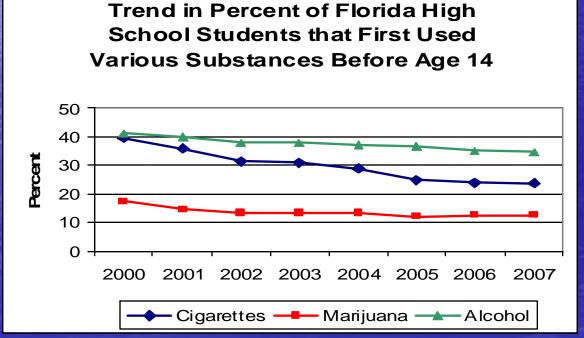
	COUNTY A		COUNTY B		
Age first use	# users	users x age	# users	users xage	
10	2	20	2	20	
11	4	44	4	44	
12	6	72	6	72	
13	10	130	10	130	
14	15	210	0	0	
15	10	150	0	0	
16	12	192	0	0	
17	15	255	0	0	
TOTAL	74	1073	22	266	
N	100		100		
AVERAGE	1073/74=		266/22=		
AGE 1st USE:	14.50 years old		12.09 years old		
% EARLY	22 early users/100=		22 early users/100=		
INITIATORS:	22.0%		22.0%		
LIFETIME	74 users/100=		22 users/100=		
PREVALENCE:	74%		22%		

Revised analysis by district









REFERENCES

Grant, BF, & Dawson, DA. (1997) Age at onset of alcohol use and its association with DSM-IV alcohol abuse and dependence: Results from the National Longitudinal Alcohol Epidemiologic Survey. J of Subst Abuse, 9: 103-110

Andersen, A, Due, P, Holstein, BE, & Iversen, L. (2003) Tracking drinking behaviour from age 15-19 years. Addiction, 98: 1505-1511.

Strunin, L, Edwards, EM, Godette, DC, & Heeren, T. (2007) Country of origin, age of drinking onset, and drinking patterns among Mexican American young adults. Drug and Alcohol Dependence, 91(2-3): 134-140.

