CPWI Data Books / Community Survey

Custom Consultations and Solutions to Common Data Problems

May 13, 2021

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1

Workshop Outline

- Your Questions - Consultations with Solutions
  - ▶ Raise hand to speak / or type in Chat box
- Open Forum – Feedback on your data products / future training needs
  - ▶ Raise hand to speak / or type in Chat box

- Applying data analyses skills to interpret tables and charts included in the Data Book
- Explore ways to communicate your Data Book data

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Questions?

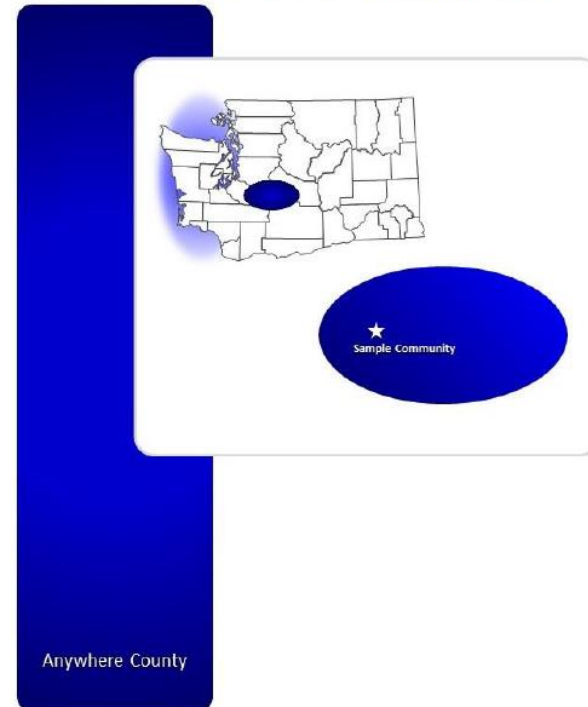# Purpose of the Data Book

- Developed for CPWI to assist coalitions in strategic planning
- Provides data to start your community needs assessment

What's Happening in Sample Community?
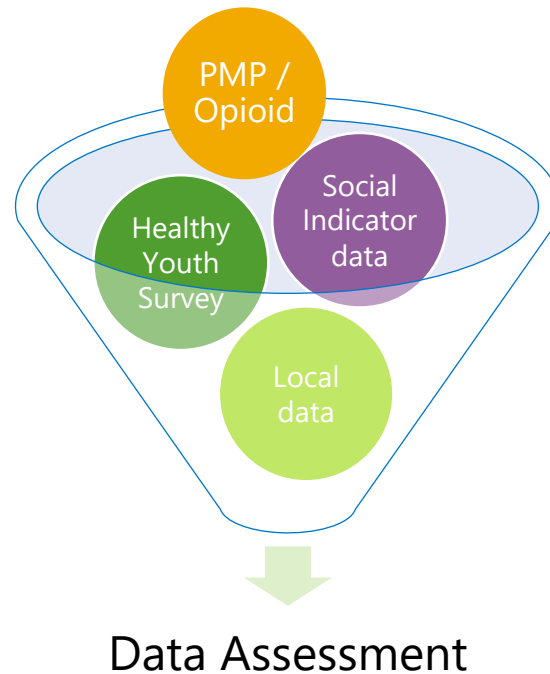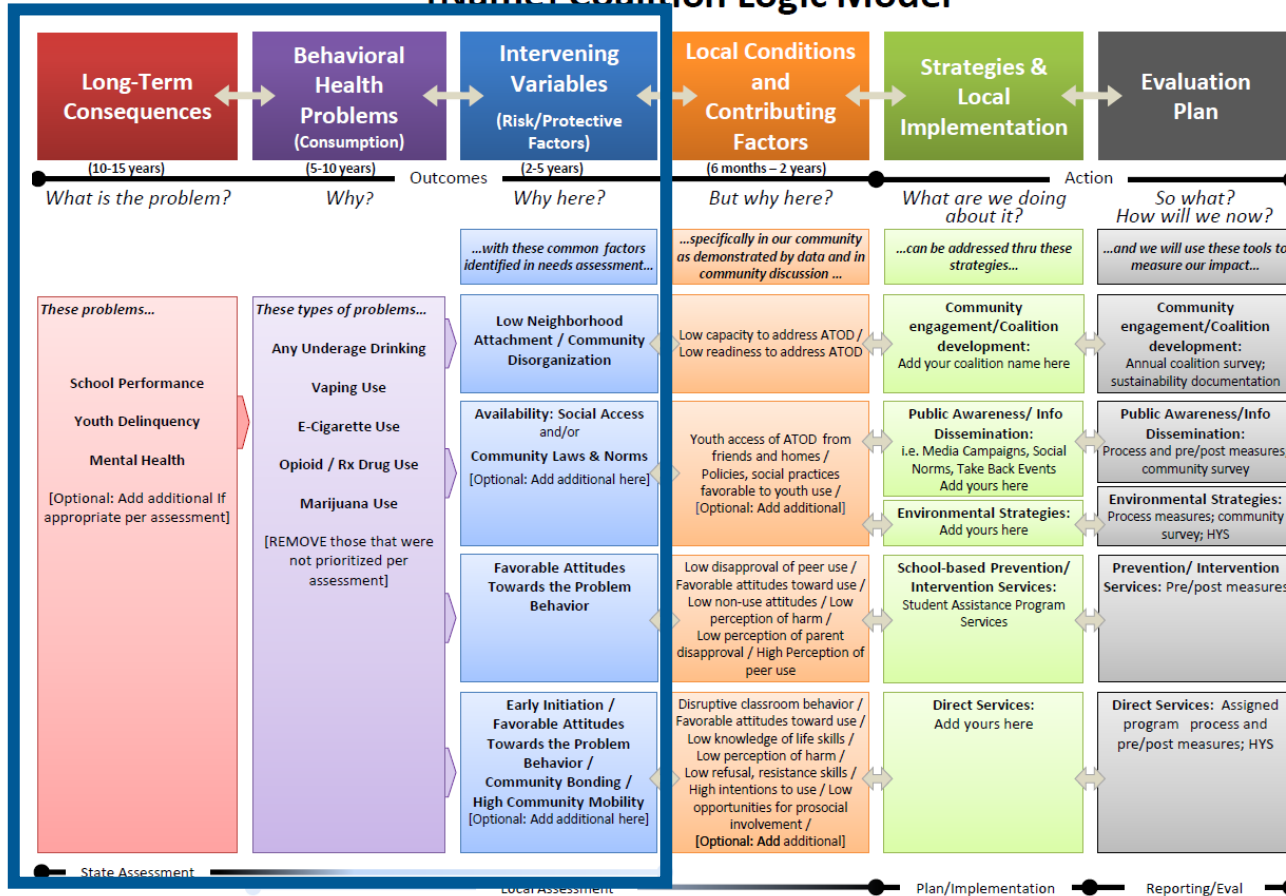
A Community Needs Assessment Data Book

Anywhere County

March 2020

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Sources of Data used in assessing communities

Data Assessment

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[Name] Coalition Logic Model

Long-Term Consequences	Behavioral Health Problems (Consumption)	Intervening Variables (Risk/Protective Factors)	Local Conditions and Contributing Factors	Strategies & Local Implementation	Evaluation Plan
(10-15 years)	(5-10 years)	(2-5 years)	(6 months – 2 years)		
		Outcomes		Action	
What is the problem?	Why?	Why here?	But why here?	What are we doing about it?	So what? How will we now?
		...with these common factors identified in needs assessment...	...specifically in our community as demonstrated by data and in community discussion ...	...can be addressed thru these strategies...	...and we will use these tools to measure our impact...
These problems...	These types of problems...	Low Neighborhood Attachment / Community Disorganization	Low capacity to address ATOD / Low readiness to address ATOD	Community engagement/Coalition development: Add your coalition name here	Community engagement/Coalition development: Annual coalition survey; sustainability documentation
School Performance	Any Underage Drinking	Availability: Social Access and/or Community Laws & Norms [Optional: Add additional here]	Youth access of ATOD from friends and homes / Policies, social practices favorable to youth use / [Optional: Add additional]	Public Awareness/ Info Dissemination: i.e. Media Campaigns, Social Norms, Take Back Events Add yours here	Public Awareness/Info Dissemination: Process and pre/post measures; community survey
Youth Delinquency	Vaping Use			Environmental Strategies: Add yours here	Environmental Strategies: Process measures; community survey; HYS
Mental Health	E-Cigarette Use				
[Optional: Add additional If appropriate per assessment]	Opioid / Rx Drug Use	Favorable Attitudes Towards the Problem Behavior	Low disapproval of peer use / Favorable attitudes toward use / Low non-use attitudes / Low perception of harm / Low perception of parent disapproval / High Perception of peer use	School-based Prevention/ Intervention Services: Student Assistance Program Services	Prevention/ Intervention Services: Pre/post measures
	Marijuana Use				
	[REMOVE those that were not prioritized per assessment]	Early Initiation / Favorable Attitudes Towards the Problem Behavior / Community Bonding / High Community Mobility [Optional: Add additional here]	Disruptive classroom behavior / Favorable attitudes toward use / Low knowledge of life skills / Low perception of harm / Low refusal, resistance skills / High intentions to use / Low opportunities for prosocial involvement / [Optional: Add additional]	Direct Services: Add yours here	Direct Services: Assigned program process and pre/post measures; HYS

State Assessment

Local Assessment

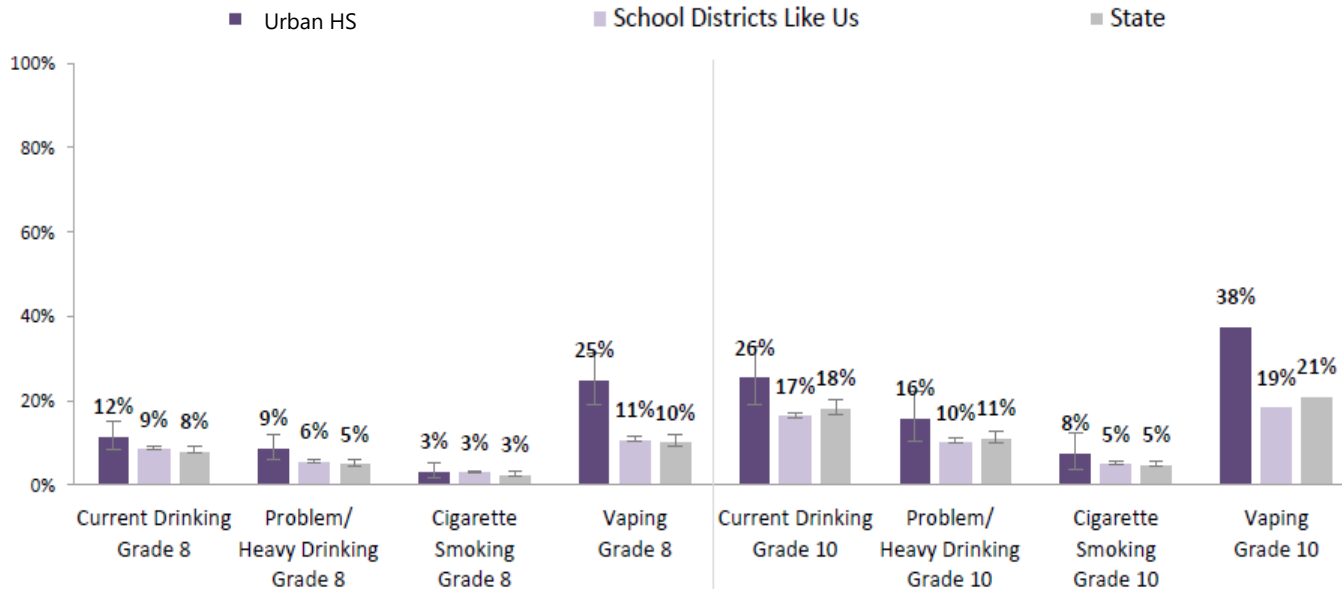Plan/Implementation   Reporting/Eval

Interpreting Tables and Charts

Identifying difference in the data

Confidence Intervals / Error Bars

HYS Measures of Youth Substance Use (2018, Percent)

What are Confidence Intervals and why do you need them?

- ▶ The confidence interval represents the variability of the estimate

- ▶ It's unlikely that 100% of your students participated in the survey

- ▶ The reported value is unlikely to be exactly the same as the "true" value for all your students.

- ▶ The confidence interval account for the random variation due to sampling

- ▶ The confidence intervals help you compare your results to others and over time

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What affects the size of a confidence interval?

The size of a confidence interval is affected by:

- ▶ Sample Size
  - ► In general, the larger the sample (i.e. students surveyed) the smaller the confidence interval

- ▶ Inherent Variability
  - ► If most students select the same response to a survey question, there is less variability. The more variable the answers, the wider the CIs

- ▶ Level of Confidence (All 95% for HYS)

What do error bars indicate about statistical significance?
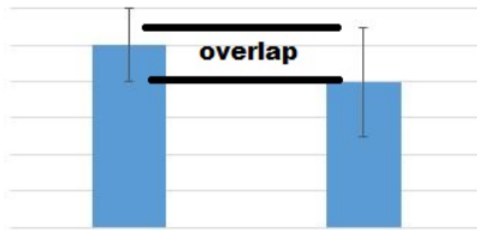
When standard deviation errors bars overlap quite a bit, it's a clue that the difference is not statistically significant. You must actually perform a statistical test to draw a conclusion.
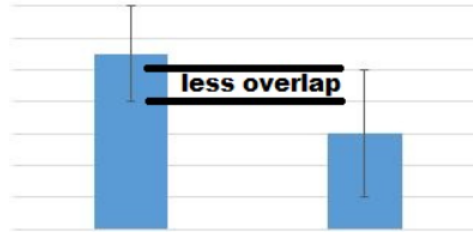
When standard deviation errors bars overlap even less, it's a clue that the difference is probably not statistically significant. You must actually perform a statistical test to draw a conclusion.
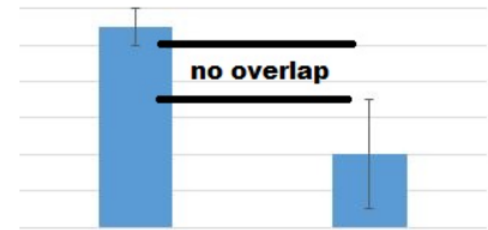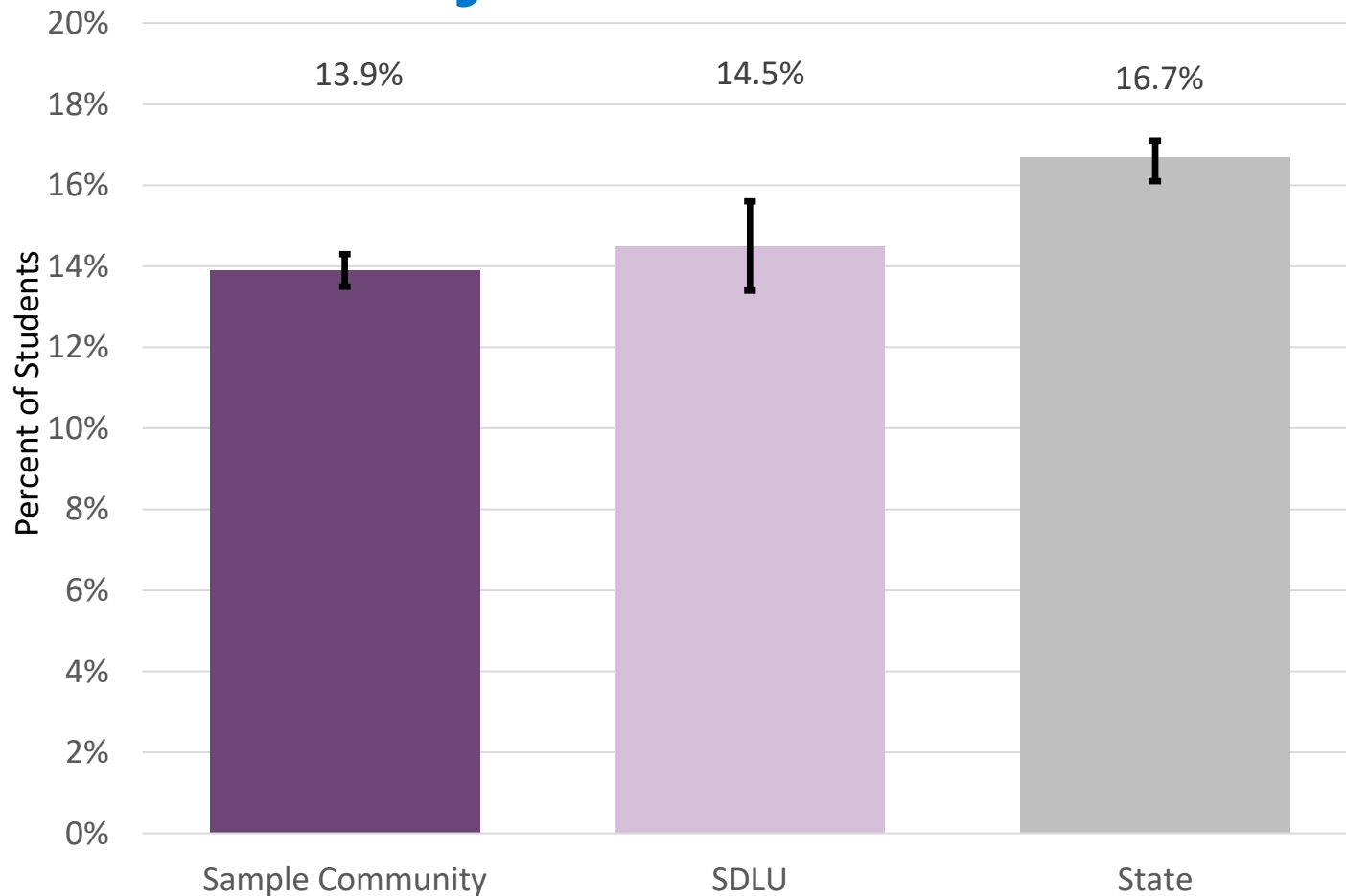
When standard deviation error bars do not overlap, it's a clue that the difference may be significant, but you cannot be sure. You must actually perform a statistical test to draw a conclusion.

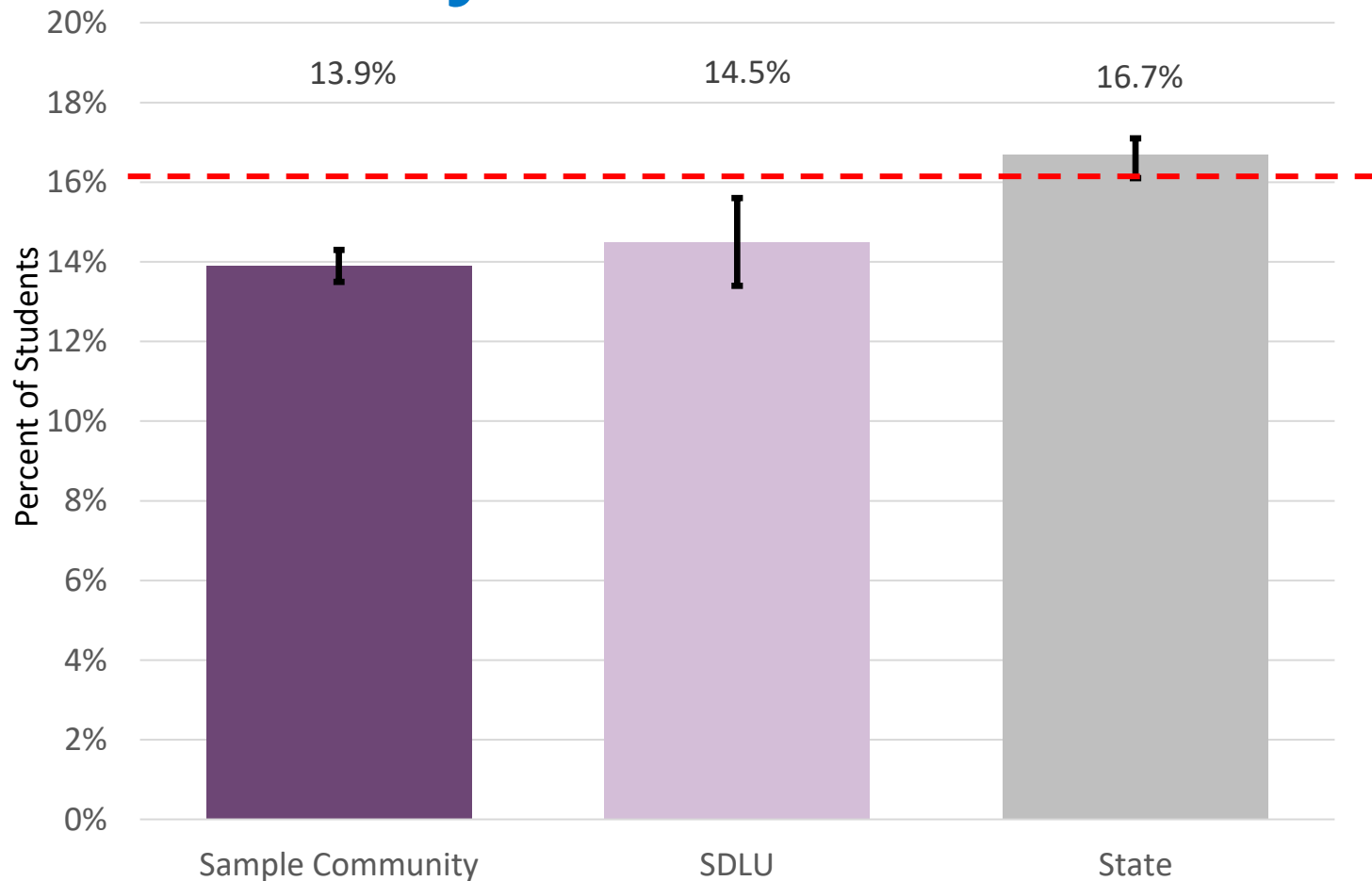Washington State
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Using CI to make conclusions about data
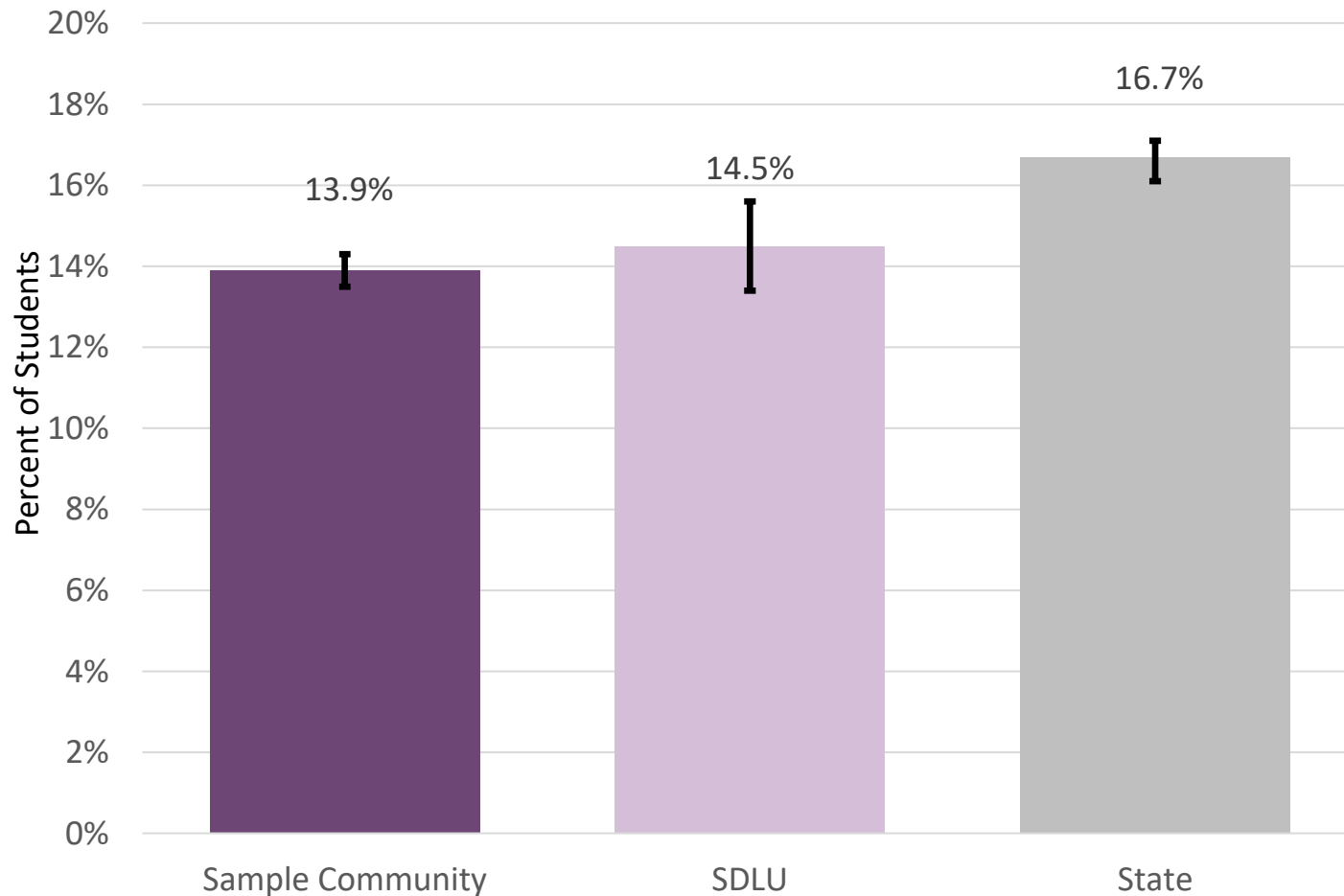
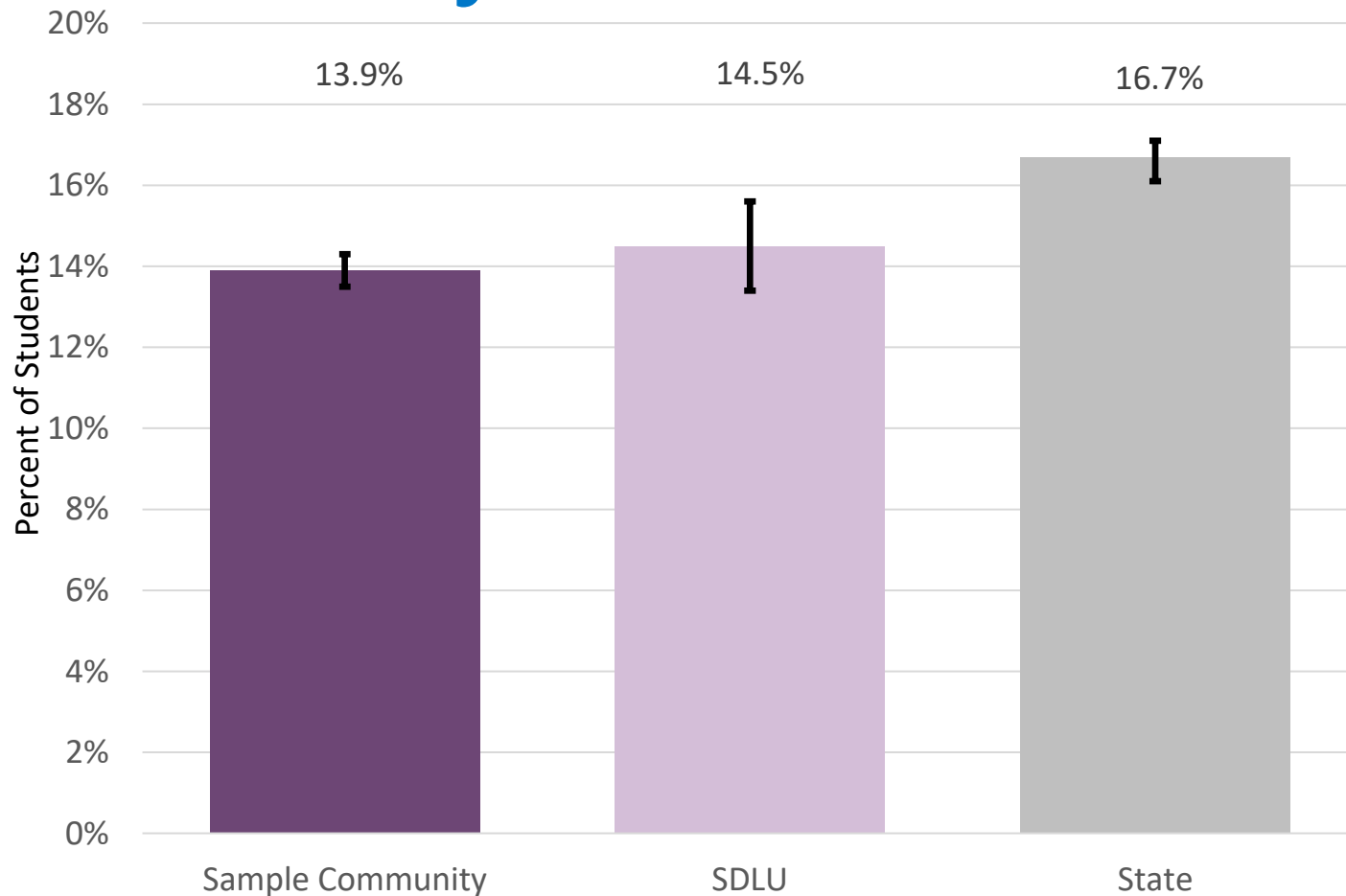# Which community has the highest rate of marijuana use?

Which community has the highest rate of marijuana use?

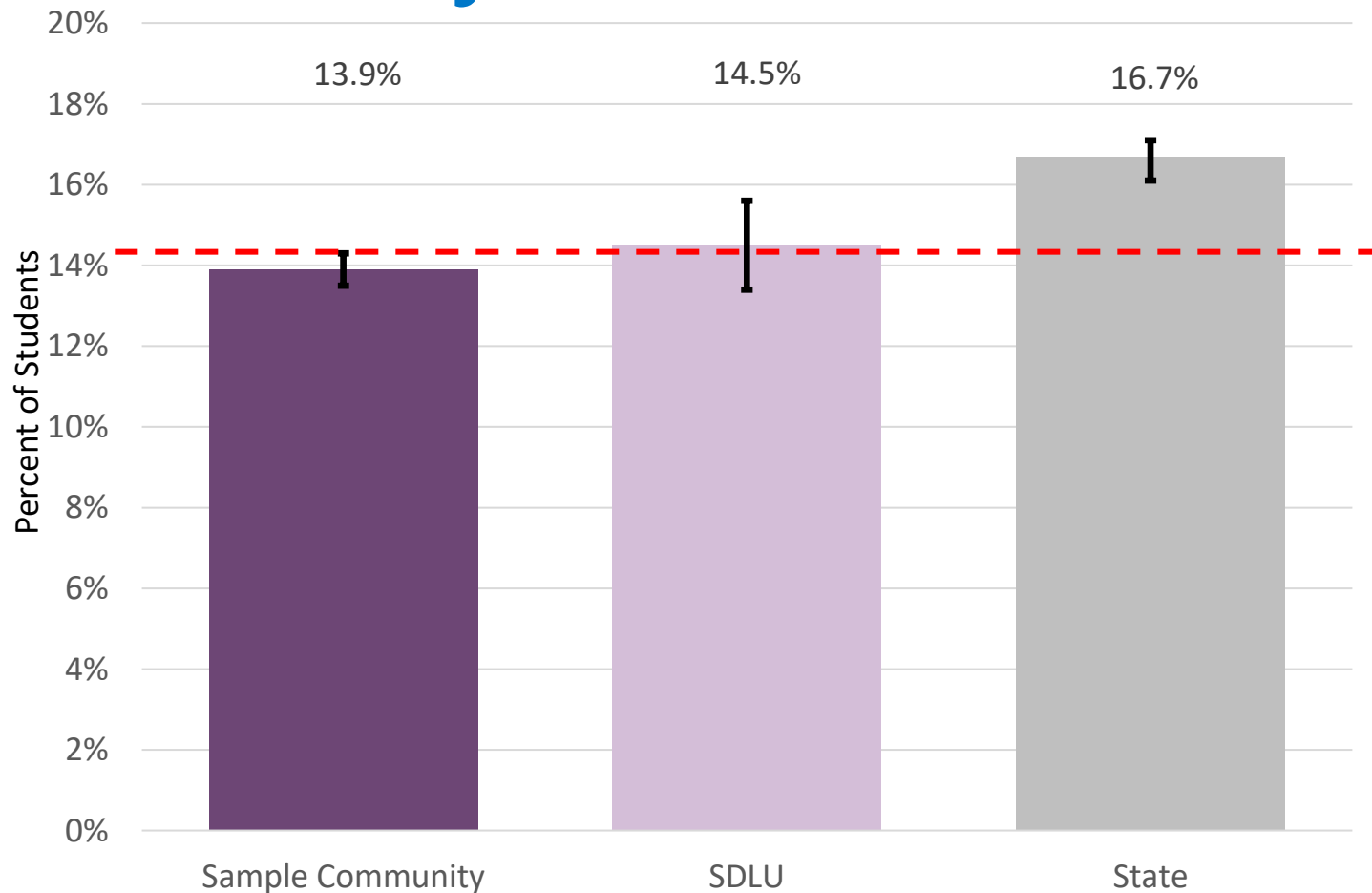# Which community has the highest rate of marijuana use?

Which community has the lowest rate of marijuana use?

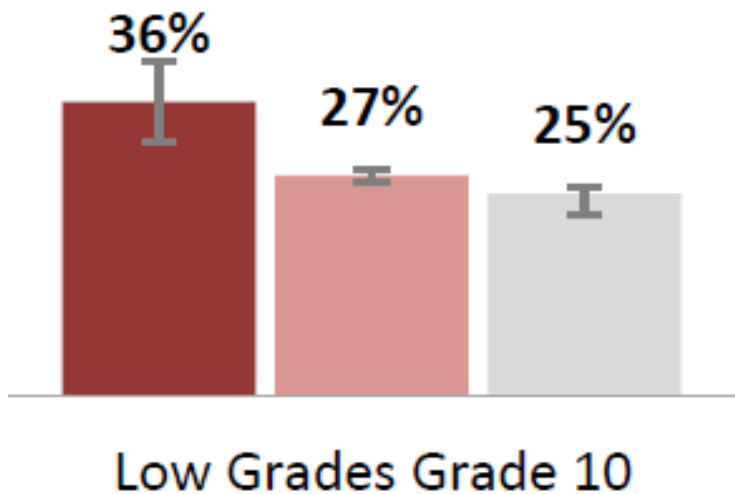# Which community has the highest rate of marijuana use?

2020 Community Data Books
Explore ways to communicate your Data Book data

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How do we talk about the results with the confidence intervals?

Low Grades Grade 10

Legend:
- Sample Community
- School Districts Like Us
- State

Sample Community: 36%
School Districts Like Us: 27%
State: 25%

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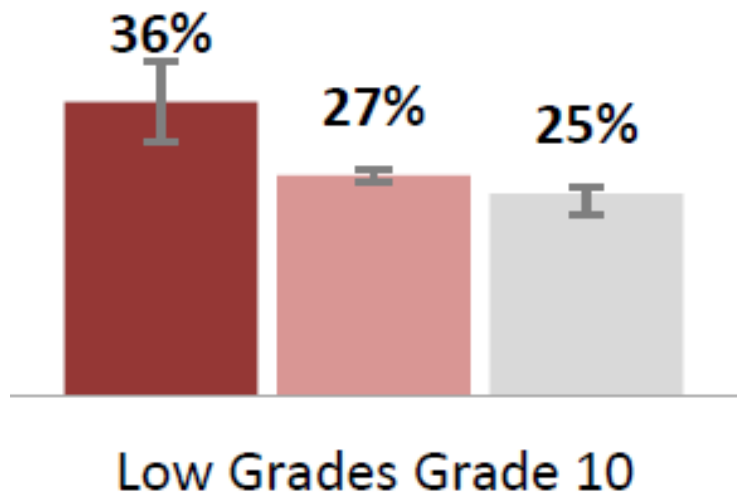
How do we talk about the results with the confidence intervals?

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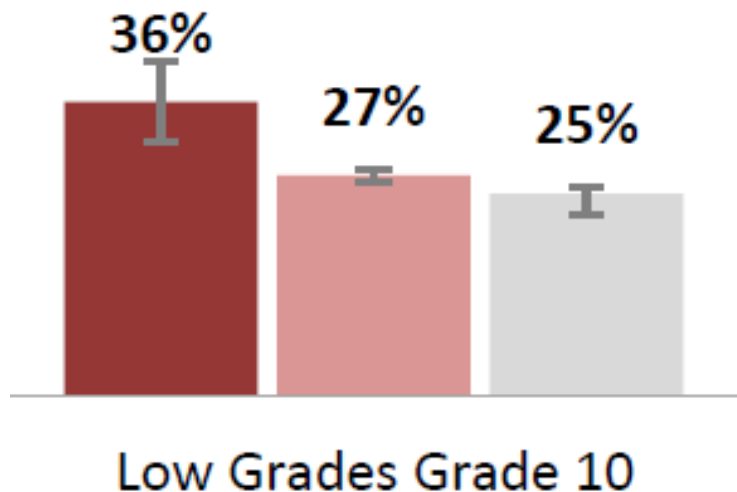
Low Grades Grade 10

▶ In 2018, 36% of 10th grade students in our community reported low grades in school.

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How do we talk about the results with the confidence intervals?

Legend:
- ■ Sample Community
- ■ School Districts Like Us
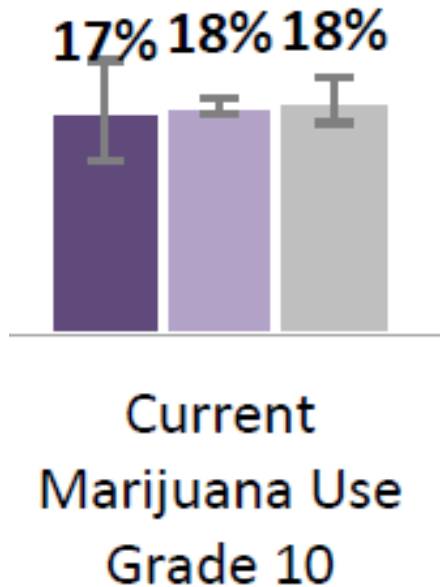- ■ State

36%

27%

25%

Low Grades Grade 10

- ▶ In 2018, 36% of 10th grade students in our community reported low grades in school.

- ▶ Compared to 10th grade students in Washington State, 10th grade students in our community are more likely to report low grades in school.

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How do we talk about the results with the confidence intervals?

- Sample Community
- School Districts Like Us
- State

17% 18% 18%

Current
Marijuana Use
Grade 10

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How do we talk about the results with the confidence intervals?

- Sample Community
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17% 18% 18%

Current Marijuana Use Grade 10

▶ In 2018, 17% of 10th grade students in our community reported using marijuana in the past 30 days.

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How do we talk about the results with the confidence intervals?

- Sample Community
- School Districts Like Us
- State

17% 18% 18%

Current Marijuana Use Grade 10
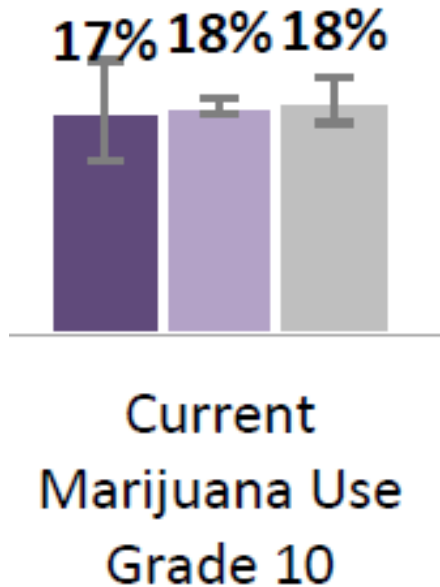
▶ In 2018, 17% of 10th grade students in our community reported using marijuana in the past 30 days.

▶ The percent of 10th grade students in our community reporting using marijuana in the past 30 days was about the same as the state average (17% vs. 18%, respectively).

Communicating results

HYS Measures of Youth Substance Use	GRADE	Sample Community		School Districts Like Us		State	
		2016	2018	2016	2018	2016	2018
Current E-cigarette/Vape Use: During the past 30 days, on how many days did you use an electronic cigarette, also called e-cigs, or vape pens? *(Results: Use any days)*	8	8%	15% a	6%	11%	6%	10% c
	10	11%	12%	11%	19% b	13%	21% c

▶ In 2018, 15% of 8th graders reported e-cigarette use at least once in the past 30 days, a rate that has significantly increased since 2016.

▶ In 2018, approximately 1 out of 7 eighth grade students in our community reported e-cigarette use at least once in the past 30 days.

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Communicating results

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		2016	2018	2016	2018	2016	2018
Current E-cigarette/Vape Use: During the past 30 days, on how many days did you use an electronic cigarette, also called e-cigs, or vape pens? *(Results: Use any days)*	8	8%	15% [a]	6%	11%	6%	10% [c]
	10	11%	12%	11%	19% [b]	13%	21% [c]

▶ The percent of 10th grade students in our community reporting e-cigarette use in the past 30 days is lower than the state rate of 10th grade students reporting use. (12% vs. 21%, respectively).

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Communicating results

HYS Measures of Youth Substance Use	GRADE	Sample Community		School Districts Like Us		State	
		2016	2018	2016	2018	2016	2018
Current E-cigarette/Vape Use: During the past 30 days, on how many days did you use an electronic cigarette, also called e-cigs, or vape pens? *(Results: Use any days)*	8	8%	15% [a]	6%	11%	6%	10% [c]
	10	11%	12%	11%	19% [b]	13%	21% [c]

▶ Current E-cigarette use by 10th grade students in our community is significantly lower than in Washington.

▶ Current E-cigarette use by 10th grade students is less common in our community than in Washington.

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Questions?
More info?

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