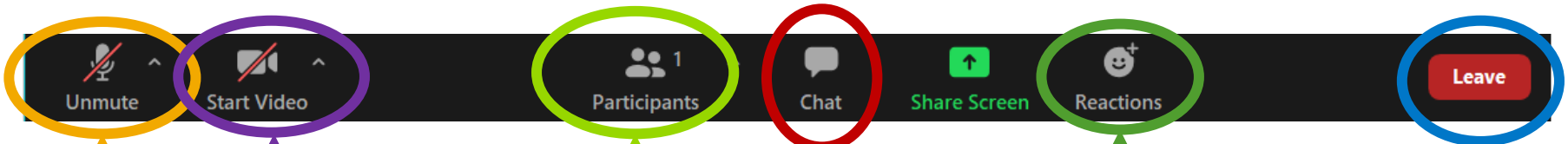
Using your Healthy Youth Survey (HYS) Results

April 2022

Overview of Zoom controls



Audio control
Displays audio format – if using computer audio will have microphone icon (like above), if called in with phone will have phone icon. Controls mute/unmute of Zoom audio.

Video control
Allows you to control webcam to be on or off – When crossed-out (like above), you are not using webcam.

Participants pane
Allows you to open/close the participants pane to see list of all participants and yourself.

In this pane, you will be able to find the hand-raising function.

Chat pane
Allows you to open/close the Chat box to send a chat/question to Host/Co-hosts.

Reactions pane
This function allows for you to show us what you are feeling! There's a thumbs up, thumbs down, smiley face, clapping hands and a few others! This is also where you go to raise your hand.

Leave Button
This button allows you to leave the meeting when needed.

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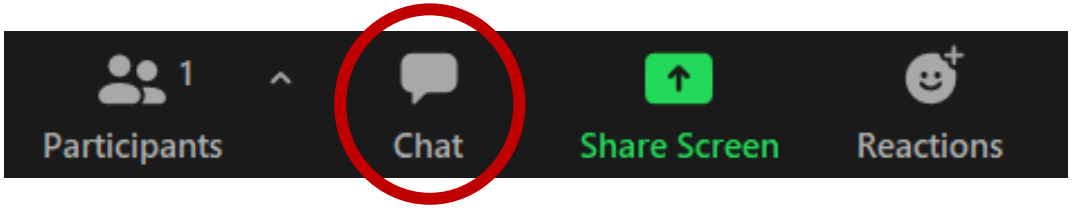
Have a question or comment during the meeting today? Add it into the chat!



Please note, the chat is public.

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Using your Healthy Youth Survey (HYS) Results

April 2022

Today's Presenters

Emily Maughan (she/her)

Program Supervisor at OSPI

Miranda Calmjoy (she/they)

Prevention Research Manager at

HCA - DBHR

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Training Purpose and Objectives

- Share HYS background & administration information
- Describe how to access HYS results
- Review HYS statistics fundamentals
- Describe how to interpret HYS results
- Explain ways to communicate your HYS results

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Poll!

- On a scale of 1-10 how familiar are you with the HYS?

- 1 = Not familiar at all
- 10 = Very familiar

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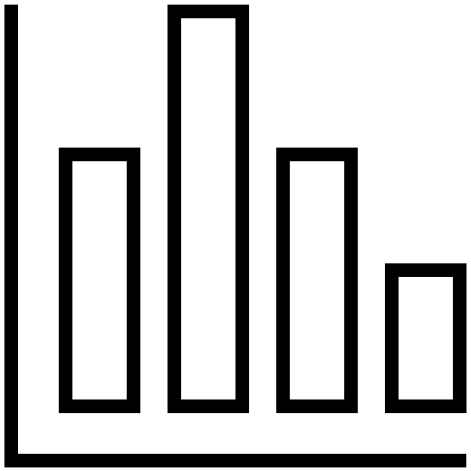
Healthy Youth Survey Background and Administration



Statewide Effort & Support

- Schools
- ESDs
- Local Health Jurisdictions
- Community Prevention Providers

Washington Office of Superintendent of PUBLIC INSTRUCTION

Washington State Health Care Authority

Washington State Department of Health

Washington State Liquor and Cannabis Board

- Funding provided by the Dedicated Cannabis Account and the Substance Abuse Block Grant

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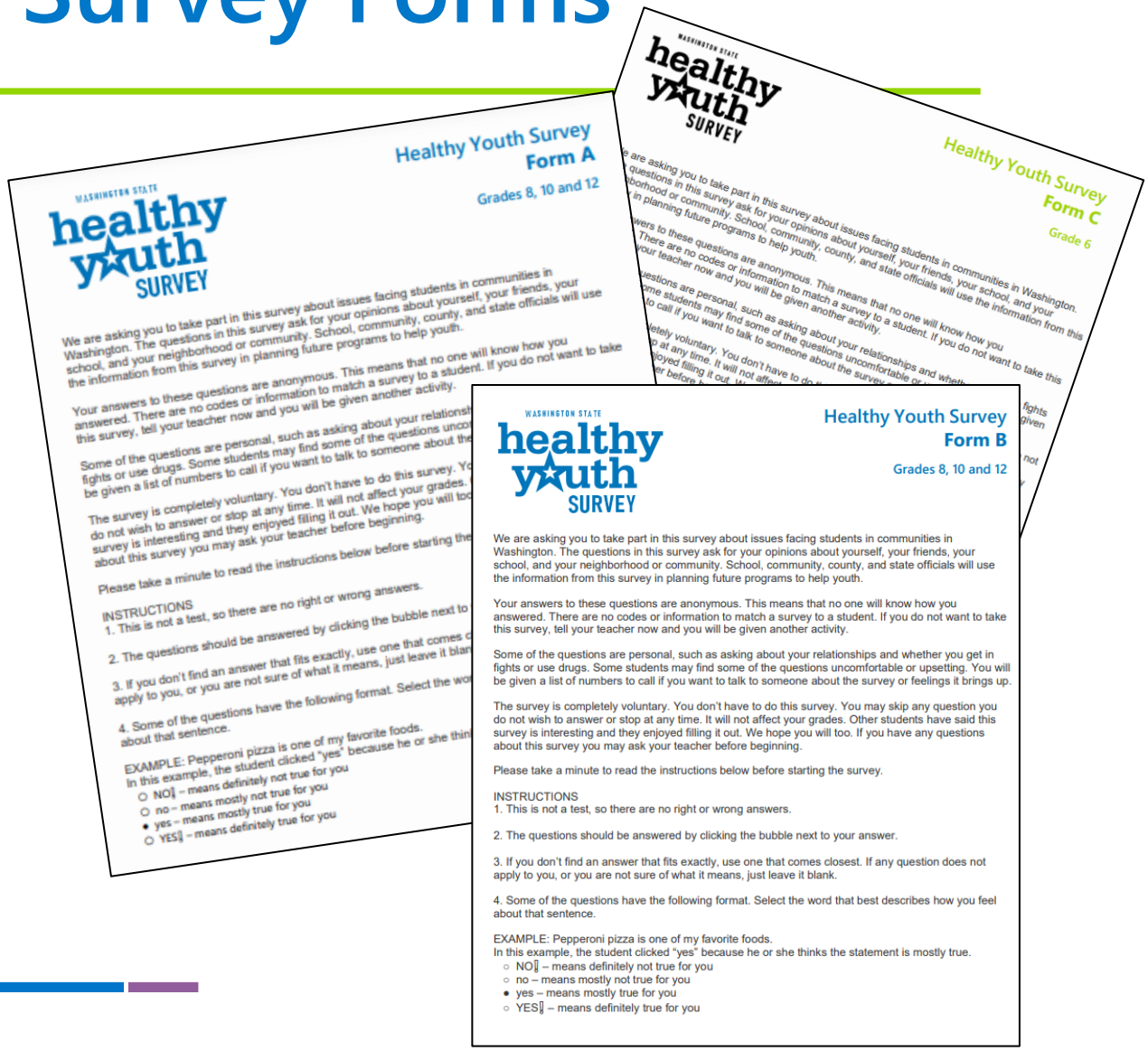
2021 HYS Survey Forms

- Forms A & B
  - 8th – 12th graders
  - Form B contains removable questions
- Form C
  - 6th – 7th graders



Student Protections

- HYS is anonymous and voluntary
- HYS is reviewed by the Washington State Institutional Review Board (WSIRB)
- This includes, but isn't limited to approval of:
  - Methods
  - Materials
  - Parent and student notification processes
  - Survey questions
  - Data and results sharing requirements

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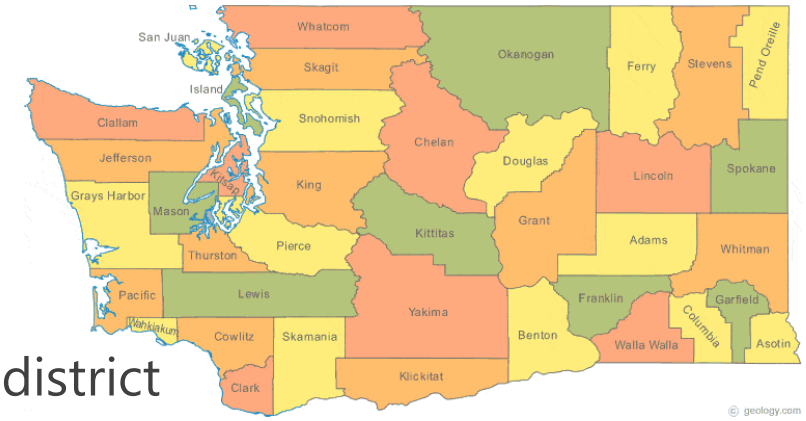
HYS 2021

- Over 208,000 students
- All 39 Counties
- 215 school districts
- 877 schools
  - 8 not associated with a school district
    - 3 Charter schools
    - 1 Tribal school
    - The School for the Blind
    - 3 Private Schools



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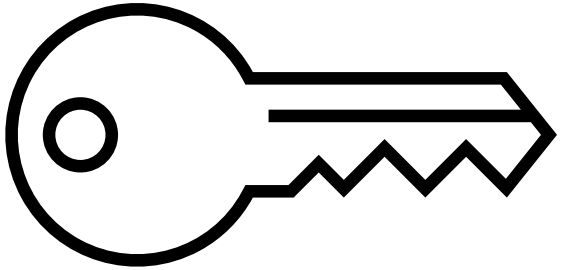
How to Access HYS Results



AskHYS.net

- County, ESD, and State results are publicly available
- School district and building level results are available with Superintendent's permission
- Once permission is granted, school employees access the data with EDS credentials
- Community members and coalitions need MOUs signed to access data

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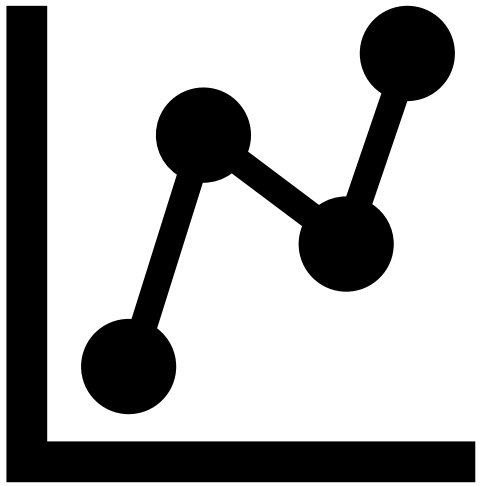
HYS Statistics Fundamentals



Poll!

- On a scale of 1-10, how comfortable are you with survey statistics?
- 1 = Not comfortable at all
- 10 = Very comfortable

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Reliability and Validity

- Reliability
  - Do students tell the truth?
    - Anonymous
    - Standard survey procedures since 2002
    - Importance of survey explained
- Validity
  - Can we trust the HYS results?
    - Established survey questions
    - Regularly followed data cleaning procedures

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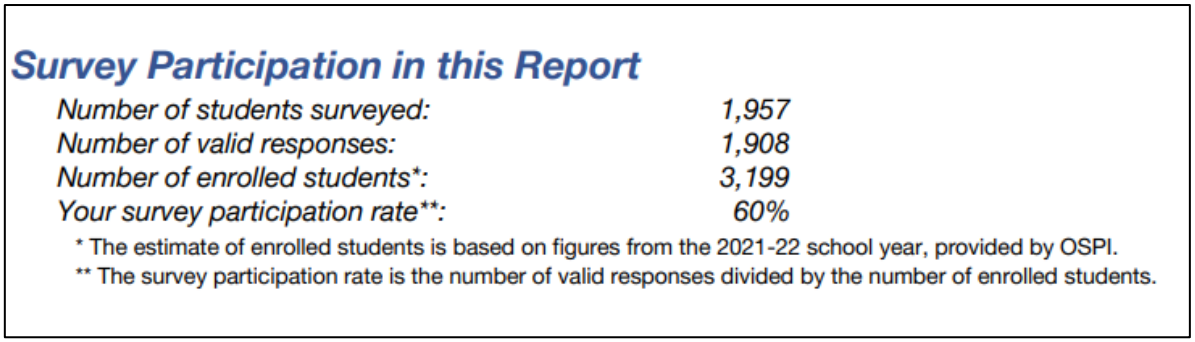
Representative Results

- Are our HYS results representative?
  - Response Rates within your frequency report
  - Groups of students that did or did not participate



Survey Participation in this Report

Number of students surveyed:	*1,957*
Number of valid responses:	*1,908*
Number of enrolled students:*	*3,199*
*Your survey participation rate**:*	*60%*

* The estimate of enrolled students is based on figures from the 2021-22 school year, provided by OSPI.

** The survey participation rate is the number of valid responses divided by the number of enrolled students.

- What if they are not representative?
  - Use caution when interpreting results and comparing results over time
  - Explain limitations
    - *"Students at our school **who took the survey** said…"*

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How to Interpret N's

17. Have you ever, even once in your life: Used marijuana?	(n=398)
a. Yes	49.0% (±3.0)
b. No	51.0% (±3.0)

N for a core question (all/most students)

18. Have you ever, even once in your life: Used inhalants?	(n=200)
a. Yes	11.0% (±4.0)
b. No	89.0% (±4.0)

N for a question on Form A only (half of students)

100. How old were you when you had sexual intercourse for the first time?†	(n=100)
a. I have never had sexual intercourse	70.0% (±8.0)
b. 11 yhears old or younger	2.0% (±2.0)
c. 12 years old	2.0% (±2.0)
d. 13 years old	5.0% (±2.0)
e. 14 years old	8.0% (±6.0)
f. 15 years old	9.0% (±5.0)
g. 16 years old	3.0% (±3.0)
h. 17 years old or older	1.0% (±1.0)

N for a removable question only on Form B (half of students, and some schools removed questions)

150. Does your school have a counselor?	(n=375)
a. Yes	90.0% (±3.0)
b. No	5.0% (±2.0)
c. Not sure	5.0% (±2.0)

N near the end of survey

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Confidence Intervals Explained

- What are they?
  - A tool to help you interpret your results
- Why do they matter?
  - It is unlikely that 100% of your students participated
  - The reported value is unlikely to be *exactly* the same as the "true" value for your students
- How do they work?
  - Account for random variation due to who participated
  - Shows a range in which the true value probably falls
- Example
  - With a 95% confidence interval, we are 95% confident that the true value is within the ± range

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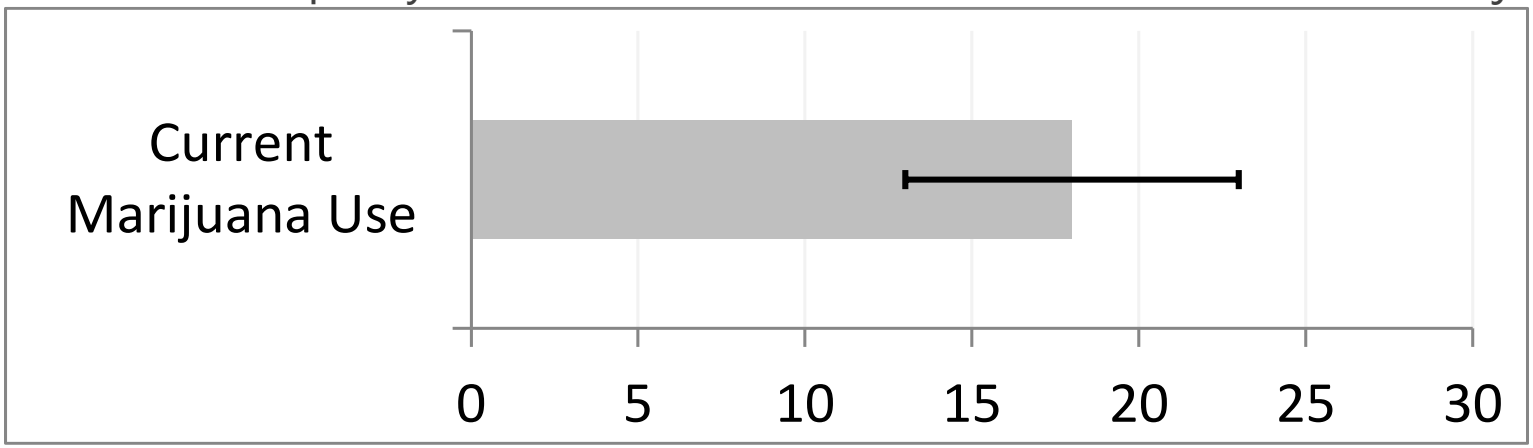
Confidence Intervals as Error Bars

- Example: Your HYS results say 18.0% (± 5.0%) of students used marijuana.
  - 18.0 – 5.0 = 13.0
  - 18.0 + 5.0 = 23.0
    - Interpret your results as between 13.0% and 23.0% used marijuana



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Statistical Significance Explained

- The probability that differences in results are not due to chance alone.

- When using 95% confidence intervals, a difference between two groups is considered statistically significant if chance could explain it only 5% of the time or less.

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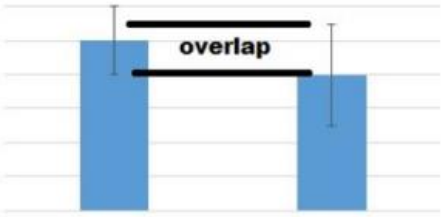
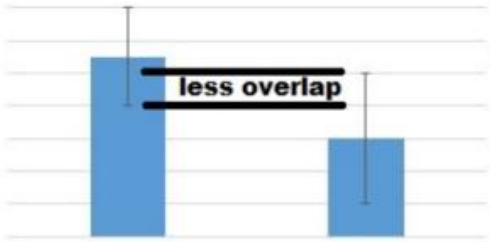
Error Bars & Statistical Significance

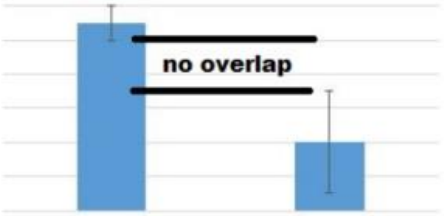
- When error bars overlap quite a bit, the difference is not statistically significant



- When error bars overlap even less, the difference is probably not statistically significant



- When error bars do not overlap, the difference is may be statistically significant. Perform a statistical test to be sure.



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Statistical Significance Testing Tool

- Excel Tool available to test for significant differences in HYS data
  - Uses two point estimates and their 95% CI to check for statistical significance (p-value)
  - Only use if you have 30 or more students
  - Do not use if evaluating 0% or 100%
    - **If your p-value is *less than 0.05,* then your difference is significant**

- Access the tool at:
  - https://www.askhys.net/Training

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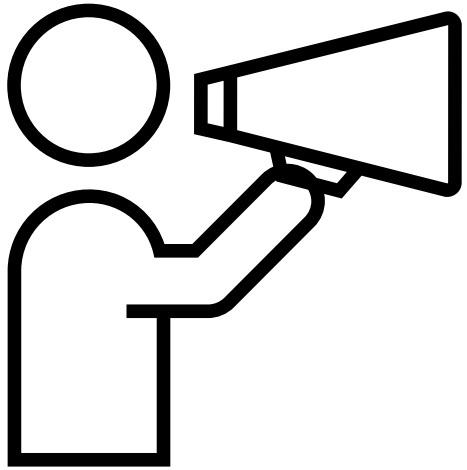
Break!

Please return at: 11:15

Communicating HYS Results



Share in the Chat

- What are some of the ways you have used HYS results in the past?

OR

- How do you anticipate you **will** use HYS results going forward?

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Reminder: AskHYS.net Log-On

- County, ESD, and State results are publicly available
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HYS Results

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Results on AskHYS.net

- Fact Sheets
  - State and local comparisons
  - Year-to-Year changes
- Frequency Reports
  - Differences by sex assigned at birth
- QxQ Analysis Tool
  - Run frequencies
  - Run crosstabs
  - Some limitations (participation rate, forms, cell size)
- PowerPoint Slides
  - Pre-generated with your data

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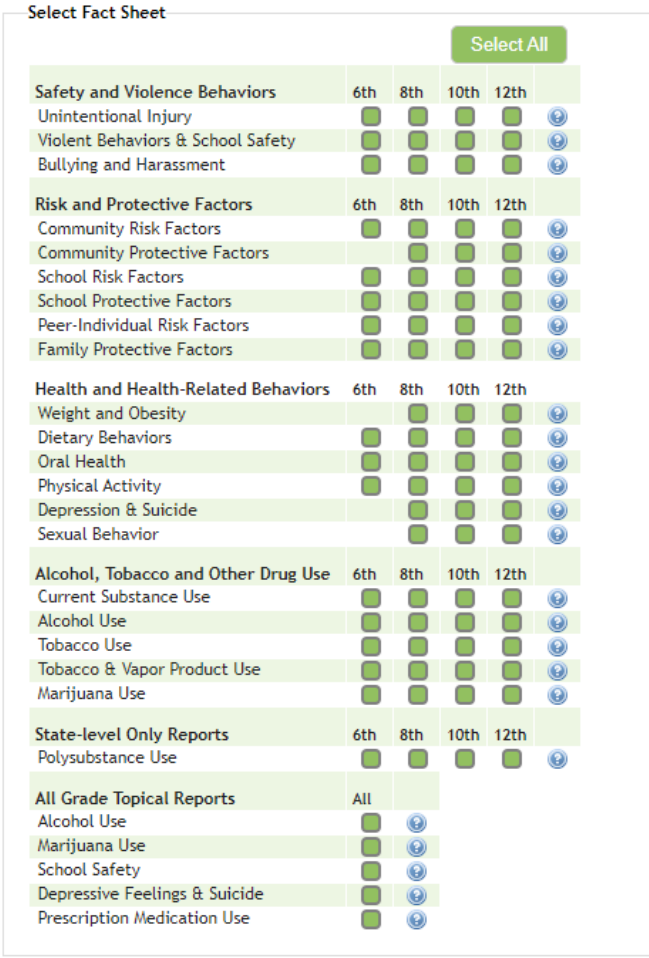
Fact Sheets

- Topical fact sheets with a selection of relevant questions and crosstabulations
- Available at State, County, ESD levels
- New fact sheet this year for Washington HYS Adverse Childhood Experiences (WAH-ACEs) score
- Some fact sheets have been updated to a new template
- Can be helpful for a quick figure or to provide to someone asking for a snapshot of a specific topic



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Frequency Reports

- Aggregate frequencies (%) of responses displayed by grade.
- Available at State, County, ESD, and special subpopulation (e.g., race/ethnicity, migratory status) levels.
- Often useful for grabbing a quick number for a report, media inquiry, or grant.

129. During the past 30 days, how many days did you text or email while driving a car or other vehicle?	Grade 6 % (± CI) (n=0)	Grade 8 % (± CI) (n=8,113)	Grade 10 % (± CI) (n=7,549)	Grade 12 % (± CI) (n=5,321)
a. I did not drive a car or other vehicle during the past 30 days.	**	82.5% (±1.5)	58.7% (±2.9)	33.6% (±3.8)
b. 0 days	**	13.3% (±1.4)	32.8% (±2.6)	27.6% (±1.4)
c. 1 or 2 days	**	1.3% (±0.3)	4.1% (±0.5)	11.9% (±1.3)
d. 3 to 5 days	**	0.7% (±0.2)	1.3% (±0.3)	5.8% (±0.8)
e. 6 to 9 days	**	0.4% (±0.1)	0.9% (±0.2)	3.7% (±0.6)
f. 10 to 19 days	**	0.5% (±0.2)	0.8% (±0.2)	5.0% (±0.8)
g. 20 to 29 days	**	0.3% (±0.1)	0.3% (±0.1)	4.0% (±0.8)
h. All 30 days	**	1.0% (±0.2)	1.2% (±0.3)	8.3% (±1.4)

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Question X Question (QxQ)

- State, County, ESD-level analysis of two questions on the survey
- Some questions have a "collapsed" option to increase cell sizes and limit suppression
- Provides crosstabulation but no significance testing
- There is a separate statistical significance testing Excel tool on the website

Washington State
Healthy Youth Survey Online Analysis - 2018

Statewide - Grade 10

Current Alcohol Drinking and Feeling Nervous, Anxious or on Edge

		Feeling Nervous, Anxious or on Edge		
		not at all	any days	Total
Current Alcohol Drinking	no days	34.9% ± 2.0% 2,029	65.1% ± 2.0% 3,787	100.0% 5,816
	any days	24.6% ± 2.7% 322	75.4% ± 2.7% 987	100.0% 1,309

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More Resources

- Resources and training materials about HYS, using the data, and interpreting results
- All survey questionnaires going back to 2002 are available under the Resources tab
- Learn more about the survey under About
- Data crosswalk spreadsheet for prior years also available on the QxQ page

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How to Communicate Results

- Identify top priorities
- Create key messages
- Share your message

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Step 1: Identify Top Priorities

- What is the focus area for your community, school, program, policy, etc.?
- Who are your partners and how will you engage them?
- Which measure are you trying to change?

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Step 2: Create Key Messages

- What does your audience absolutely need to know?
- What is the goal for this communication?
- Who is your audience?

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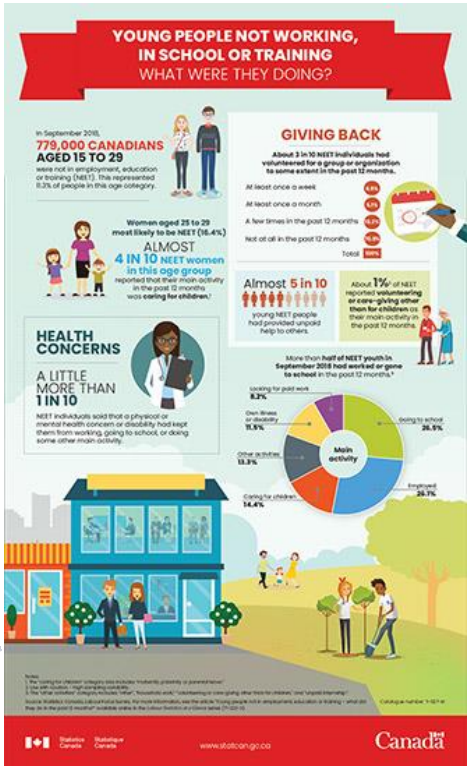
Step 3:
Share your message

- Who is your audience?
- What platform works best with them?
- How can you tell a story with the data? Consider how **your work** connects with this story!
  - Frame the issue with HYS data
  - Describe why the problem matters
  - Explain what the audience can do about it



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Talking Tips!

- Keep it simple
- Double check your numbers and note that HYS results are estimates
  - Include the confidence interval
  - Acknowledge participation rates
  - Say "About"
- Ask others to review your work before you share it
- Don't speculate. Remember your limitations.
  - It's ok to say "I don't know, I'll get back to you"
- Be compassionate – there are youth behind all HYS numbers
- Include a call-to-action for your audience

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Want more assistance?

- Speak directly to the HYS Planning Committee Data Team
- Email Healthy.Youth@DOH.wa.gov
- Interest in "Drop-In Hours"?

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THANK YOU!

From the Healthy Youth Survey Planning Committee

- Washington Health Care Authority, Division of Behavioral Health and Recovery
- Office of Superintendent of Public Instruction
- Washington Department of Health
- Washington Liquor and Cannabis Board
- Looking Glass Analytics

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Questions?

- Email
  - Miranda.Calmjoy@hca.wa.gov
  - Emily.Maughan@k12.wa.us
  - Healthy.youth@doh.wa.gov
- Submit HYS questions and comments directly to
  - https://www.surveymonkey.com/r/HYSquestion

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