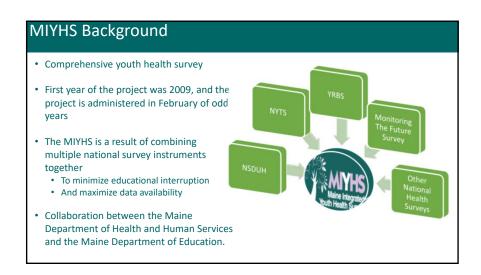


Explanation of Survey Modules and Sample Design							
Module	Survey Design	Participants	Survey Question Method	Data Depth			
Kindergarten & Third Grade	Sample (w/ replacements)	Survey Questions: Parents Oral Health Screening: Students	Paper or Phone Call	State Level Data			
5 th & 6 th Grade	Sample (+volunteer schools)		Paper during normal class period	-State Level Data -Public Health District Data -School Level Data* -School District Level Data*			
Middle School (7 th & 8 th Grade)	Census	Students		-State Level Data -Public Health District Data -County Level Data			
High School (9 th -12 th Grade)	Census			-School Level Data* -School District Level Data*			



5th/6th and K/3 Surveys- The Basics

5th and 6th Grade Survey

- Student survey with age appropriate questions
- Height/Weight assessment for 5th grade only
- About 129 Schools sampled for 2017
 - Over 75 of those sampled participated
 - About 25 volunteer schools

Kindergarten and Third Grade

- Parent Survey
- Student Oral Health Screening-
 - Screening assistance provided by Registered Dental Hygienist
- Student Height/Weight assessment
- 24 Schools sampled for 2017
 - 22 of those sampled participated

Middle School (MS) and High School (HS) Surveys- The Basics

Middle School (7th-8th) Survey

- Student survey with age appropriate questions
- Self reported Ht/Wt
- 4 Survey Modules
 - Total question pool of about 90
 - Module question counts Lowest: 80 Highest: 81
- · All Schools invited to participate
- Over 120 Schools in 2017

High School (9th-12th) Survey

- Student survey with age appropriate questions
- Self reported Ht/Wt
- 4 Survey Modules
 - Total question pool of about 115
 - Module question counts
 Lowest: 99 Highest: 110
- All Schools invited to participate
- Over 105 Schools in 2017

2017 MIYHS- Fast Facts

Data.mainepublichealth.gov/miyhs

OR

Maine.gov/MIYHS

- Over **350** schools participated
- Surveying **61,000+** students.
- Over 80% of all Middle Schools (MS) & High Schools (HS)
- All Counties and Geographic PHD's* are reportable for the first time
 (!!!)
 - *= Population Based Tribal Public Health District Report Unavailable

MIYHS Background

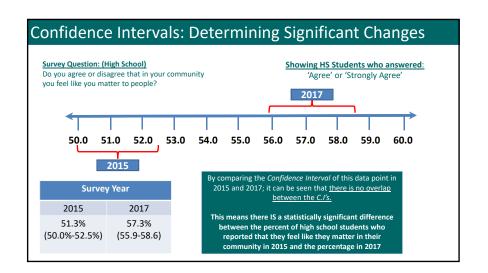
- Depending on the survey module, the survey covers the following topics:
- Alcohol, tobacco and drug use
- Bullying
- Sexual health
- Injury
 - Intentional
 - Unintentional
 - Vehicle Safety
- Housing Stability

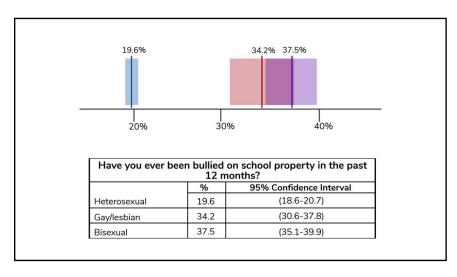
- Physical activity
- Nutrition
- · Mental health
- Protective factors
 - Self confidence
 - Perception (of: harm, supports, assets, etc.)
- Grades
- School Climate
- · Hours of Sleep

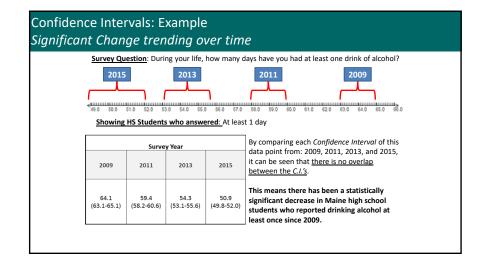
Confidence Intervals

Survey Year						
2015	2017					
51.3%	57.3%					
(50.0%-52.5%)	(55.9%-58.6%)					
1	1					

- For all surveys, the reported percentage is an estimate & has some statistical error.
- This is error is accounted for by the Confidence Interval (C.I.):
 - a range defined by: the Lower Confidence Limit (LCL) & the Upper Confidence Limit (UCL).
- Like the margin of error presented in political polls, the confidence interval presents a range of values within which the true underlying rate or prevalence is likely to lie.



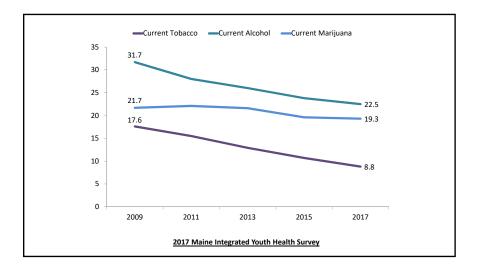






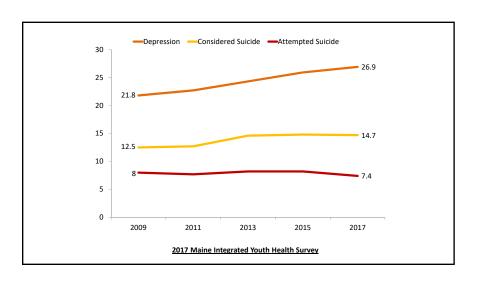
2017 MIYHS Data- A Few Highlights

- 11% of Maine HS students reported being of LBG sexual orientation
- 1.5% of Maine HS students reported identifying as transgender
- 22% of Maine HS students reported being bullied on school property in the past year
- 46% of Maine MS students reported being bullied on school property in their lifetime
- Significantly more Maine HS students agreed that "at least one of their teachers really cares and is there for help and support" as compared to 2015 (81.5% vs. 79.7%)
- 22% of Maine 5th&6th grade students reported being home alone for more than 2 hours on an average school day.



2017 MIYHS Data- A Few Highlights

- Significantly fewer Maine HS students reported smoking a cigarette in the past 30 days as compared to 2015 (8.8% vs. 10.7%)
- Significantly fewer Maine MS students reported smoking a cigarette in the past 30 days as compared to 2015 (1.9% vs 2.7%)
- About 22.5% of Maine HS students and about 4% of Maine MS students have tried alcohol in the past 30 days
- About 19% of Maine HS students and about 4% of Maine MS students have tried marijuana in the past 30 days
 - About 65% of Maine HS students reported a low perception of harm in using marijuana once or twice a week
 - About 52% of Maine HS students reported a high ease of access to marijuana



New ?'s for 2017

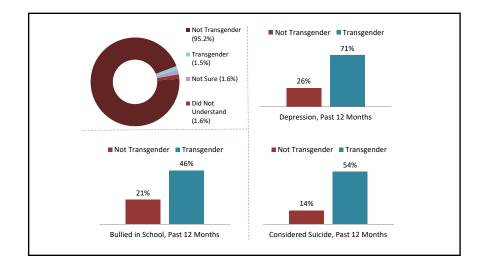
"Some people describe themselves as transgender when their sex at birth does not match the way they think or feel about their gender. Are you transgender?"

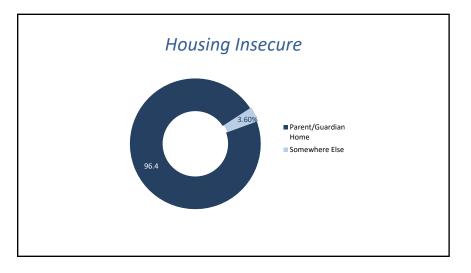
- A. Yes, I am transgender
- B. No, I am not transgender
- C. I am not sure if I am transgender
- D. I do not understand the question

New ?'s for 2017

"During the past 30 days, where did you usually sleep?"

- A. In my parent's or guardian's home
- B. In the home of a friend, family member, or other person because I had to leave my home or my parent or guardian cannot afford housing
- C. In a shelter or emergency housing
- D. In a motel or hotel
- E. In a car, park, campground, or other public place
- F. I do not have a usual place to sleep
- G. Somewhere else





How are ACEs measured in other national surveys?

BRFSS 2010 Data

Number of Adverse Childhood Experiences (ACE Score)	Women Percent (N =32,539)	Men Percent (N =21,245)	Total Percent (N =53,784)
0	40.0%	41.4%	40.7%
1	22.4%	24.9%	23.6%
2	13.4%	13.2%	13.3%
3	8.0%	8.1%	<mark>8.1%</mark>
4 or more	16.2%	12.4%	<mark>14.3%</mark>

Image source: https://www.cdc.gov/violenceprevention/acestudy/about.htm

Behavioral Risk Factor Surveillance Survey (BRFSS)

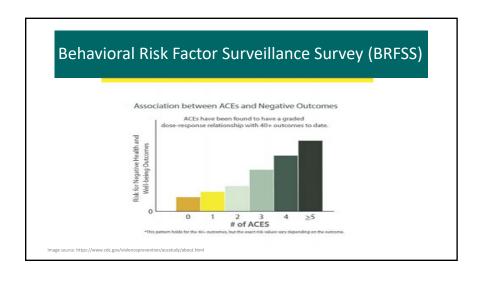
What is it?

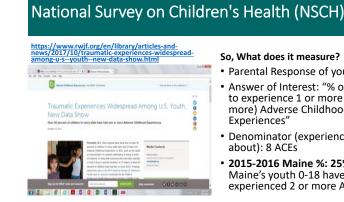
- https://www.cdc.gov/violenceprevention/ace study/ace_brfss.html
- "The BRFSS is an annual, statebased, random-digit-dial telephone survey that collects data from non-institutionalized U.S. adults regarding health conditions and risk factors."

So, What does it measure?

- BRFSS surveys adults aged 18+ years old
- Asks about ACES experienced during "first 18 years of life"
- "Adapted from the original CDC-Kaiser ACE study...to collect information on child abuse and household challenges"
- Does not include Neglect Measures

Image source: https://www.cdc.gov/violenceprevention/acestudy/about.html





So, What does it measure?

- Parental Response of youth 0-18
- Answer of Interest: "% of Children to experience 1 or more (or 2 or more) Adverse Childhood Experiences"
- Denominator (experiences asked about): 8 ACEs
- 2015-2016 Maine %: 25% of Maine's youth 0-18 have experienced 2 or more ACES

MIYHS ACE question

- Question asked for first time in 2017 HS survey.
- MIYHS ACE guestion includes similar items to those in the original ACEs study.
- ACE score includes responses to separate questions on sexual violence and domestic violence at home.
- Did not include parental substance abuse, but planning to include in 2019 version.

Child and Adolescent Health Measurement Initiative (CAHMI)

What is it?

- http://www.cahmi.org/
- "The Child and Adolescent Health Measurement Initiative (CAHMI) is a national initiative based out of the Bloomberg School of Public Health at Johns Hopkins University in Baltimore, Maryland. Originally housed at FACCT - Foundation for Accountability, the CAHMI was established in 1998."

So, What does it measure?

- The CAHMI ACE agenda and data work utilizes NSCH ACE datasets
- For more NSCH info, see previous slide

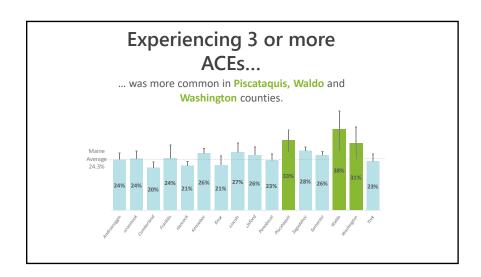
ACE question wording

Please tell us **how many** of the following six things have EVER happened to you (add up how many ever happened to you):

- · Your parents/guardians got divorced or separated
- A parent/guardian died
- A parent/guardian was in jail or prison
- · You lived with an adult who had a mental illness
- Your parent or another adult you lived with often swore at you, insulted you, put you down, or humiliated you
- · You were physically hurt by an adult in your home

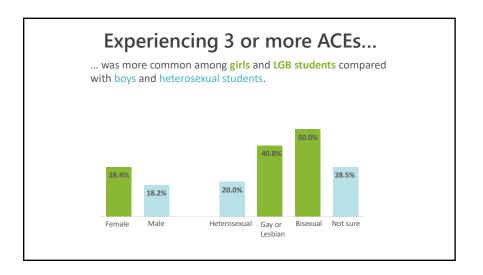
Additional ACE score questions

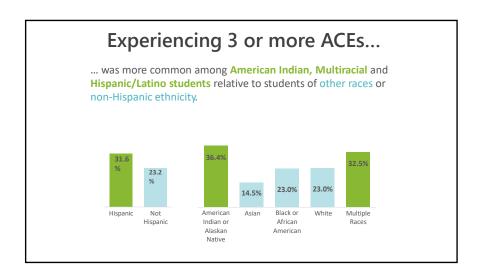
- Sexual violence: Have you ever been forced (physical or otherwise) to have sexual contact?
- Exposure to domestic violence at home: Has violence in your home, or the threat of violence, ever made you want to leave home, even just for a short while?

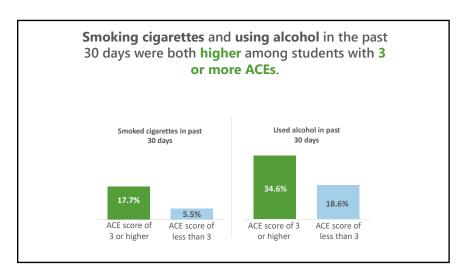


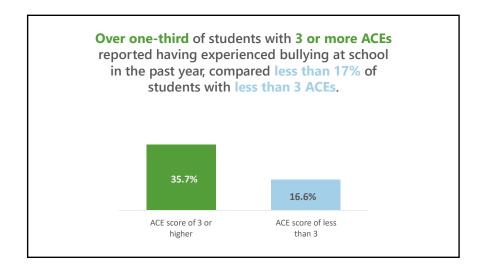
Nearly 1 in 4 Maine high school students have experienced 3 or more ACEs.

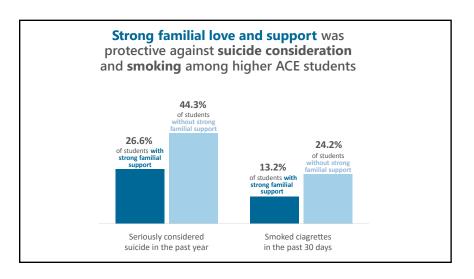
The majority have experienced less than 3; over one-third have experienced no adverse events.

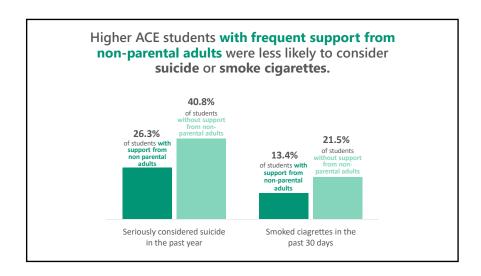






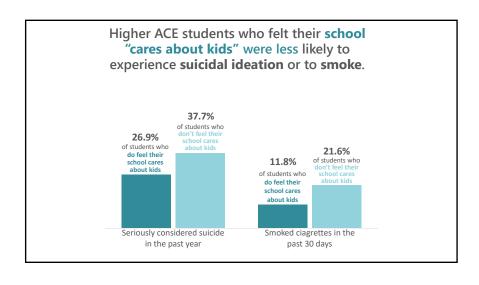






Challenges and limitations

- MIYHS data are generalizable to public school students, but not to young people who are not in school.
- ACE and protective factor questions are at end of the HS survey and have higher % of missing answers.
- ACE question leaves out exposure to substance use in home.
- Not able to assess association between ACE score and academic performance; questions are on different survey modules.
- On-going efforts are underway to improve quality of MIYHS data.



2017 MIYHS Data- Helpful Hints and Where to find the data:

- 2017 Detailed Reports-
 - All pdf versions of reports have a "search" function- Ctrl+F (use either key words or variable code)
- The Comparison Reports-
 - these highlight only core measures
 - meaning that these showcase the data that is available all the way down to the school level (as response rates and confidentiality allows)

For both sets of reports above, See here (click the "Reports by" at data depth needed for a drop down menu to appear)

- · Data Dashboard-
 - Has been updated with 2017 MS and HS data, along with some new measures! See here
- Topic Specific Infographics
 - Previous year's formats have been updated and can be found here
 - New formats are being developed (including Transgender, LGBT, and more)!

