

# Student Achievement Committee May 6, 2014

Youth Risk Behavior Survey Results 2013

## Hawaii School Health Survey

Two surveys administered under one name

Youth Risk Behavior Survey (YRBS)

Youth Tobacco Survey (YTS)

Elements of the Alcohol Tobacco and Other Drug (ATOD) survey

- Data are made public through
  - Centers for Disease Control & Prevention website
  - Hawaii Health Data Warehouse website
  
- Data are presented to the Hawaii Board of Education prior to public release

# Overview of Survey Administration

Coordinated between

Department of Education

Department of Health

University of Hawaii

Centers for Disease Control and Prevention (CDC)

Conducted in spring 2013

- Two-stage complex sample of public middle and high schools (middle school  $n = 5,036$  and high school  $n = 4,681$ )
- County-level data collected as in 2011
- Weighted data for middle and high schools
  - Data were weighted by the CDC to represent Hawaii public school students

# Overview of Survey Administration

Age-appropriate surveys

High school grades 9-12

Middle school grades 6-8

Two-stage complex sample

Schools selected on inverse probability by size

- Random class selection within schools
- Anonymous
- Self-administered
- Completed in one class period (30 minutes)
- Conducted biennially with active consent

# Survey Topics

Leading causes of death and disability among youth and adults including

- Unintentional injuries and violence
- Tobacco use
- Alcohol and other drug use
- Sexual behaviors
- Dietary behaviors
- Physical activity
- Body mass index percentile
- Asthma
- State-added questions (e.g., oral health)

# Selected YRBS Results

➤➤ Hawaii High School Students

# Unintentional Injuries and Violence

## Statistically significant decreases from 2009–2013

Carried a weapon (such as a gun, knife, or club) in the past 30 days

15.9% in 2009, 13.9% in 2011, and 10.5% in 2013

In a physical fight in the past 12 months

29.5% in 2009, 22.3% in 2011, and 16.7% in 2013

## New survey items

Bullied on school property in the past 12 months

20.3% in 2011 and 18.7% in 2013

Bullied electronically in the past 12 months

14.9% in 2011 and 15.6% in 2013

# Unintentional Injuries and Violence Suicide Specific

## Statistically significant decreases in

Suicidal thoughts in the past 12 months from 27.8% in 1993 to 16.9% in 2013

Suicide plans in the past 12 months from 21.4% in 1993 to 15.2% in 2013

## No statistically significant changes in

➤ Suicide attempt in the past 12 months: 10.7% in 2013

➤ Receiving medical treatment from a suicide attempt in the past 12 months: 3.2% in 2013

## New question in 2013

➤ Cut or burned themselves on purpose in the past 12 months without wanting to die: 20.6% in 2013

# Cigarette Smoking

## Cigarette use continues to decline

Smoked cigarettes on one or more of the past 30 days  
(Current Smoker)

15.2% in 2009, 10.1% in 2011, and 10.4% in 2013

# Alcohol Consumption

## Data that changed significantly from 2009–2013

Drank alcohol for the first time before age 13

28.6% in 2009, 19.2% in 2011, and 17.5% in 2013

Drank alcohol in the past 30 days (current drinker)

37.8% in 2009, 29.1% in 2011, and 25.2% in 2013

Drank 5 or more drinks in a row in the past 30 days  
(binge drinker)

22.4% in 2009, 15.4% in 2011, and 12.7% in 2013

## Data that did not change significantly

Usually obtained alcohol from social sources

47.2% in 2009, 41.4% in both 2011 and 2013

## Other Drug Use

There have been no significant changes in other drug use from 2009–2013

Select 2013 data:

Current marijuana use	18.9%
Lifetime use of Rx drugs	12.9%
Lifetime inhalant use	9.2%
➤ Lifetime ecstasy use	8.0%
➤ Lifetime cocaine use	6.5%
➤ Lifetime hallucinogen use	6.0%
➤ Lifetime methamphetamine use	4.3%
➤ Lifetime heroin use	3.4%
➤ Offered, sold, or given an illegal drug on school property in past 12 months	31.2%

## Sexual Behaviors

Statistically significant decreases from 2009–2013:

Ever had sexual intercourse

44.3% in 2009, 37.0% in 2011, and 35.9% in 2013

Had sexual intercourse in past 3 months

30.5% in 2009, 23.9% in 2011, and 24.8% in 2013

➤ Drank alcohol or used drugs before last intercourse (among those who are sexually active)

30.2% in 2009, 20.9% in 2011, and 24.0% in 2013

No change in condom use during last intercourse

45.9% in 2013

## Dietary Behaviors

Daily soda consumption has decreased

20.8% in 2009, 17.5% in 2011, and 15.8% in 2013

Select 2013 data that has not changed statistically:

Overweight	14.9%
Obese	13.4%
• Ate fruit or drank 100% juice 2+X/day	27.1%
• Did not eat for 24 or more hours	15.6%
• Took diet pills or powders	7.3%
• Vomited or took laxatives	5.2%

Note: vegetable questions are not comparable across survey years

## Physical Activity

Some measures of physical activity have changed significantly

Physically active for 60+ minutes on 5 or more of the past 7 days increased

34.4% in 2009, 37.9% in 2011, and 40.2% in 2013

▶ Attended PE 1+ days in avg. school week decreased

43.8% in 2009, 41.6% in 2011, and 39.1% in 2013

TV viewing 3+ hours on avg. school day was steady at 29.3% in 2013, but playing on computers or video games 3+ hours increased

27.4% in 2009, 36.6% in 2011, and 42.1% in 2013

## How are the Hawaii School Health Survey Data Used?

- Assess trends in student health risk behaviors
- Conduct further analysis and research
- Set goals for school health and health promotion programs
- Monitor progress toward achieving national, state, and local health objectives
- Support legislation and policies that promote student health
- Seek funding for school and community health initiatives

## Hawaii School Health Survey: Next Steps

- Prepare Hawaii data for release in PDF format and on websites
- National results available on June 12, 2014
- Prepare survey highlights brochure
- Continue to address student health issues based on data
- Begin process for 2015 survey administration

For more information on the  
Hawaii School Health Surveys  
please visit:

▶ Hawaii DOE

- <http://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/HawaiiDataSources/Pages/Data-Resources-and-Tools.aspx>

▶ Hawaii Health Data Warehouse

- <http://www.hhdw.org/>

▶ Centers for Disease Control and Prevention

- <http://nccd.cdc.gov/youthonline/App/Default.aspx>