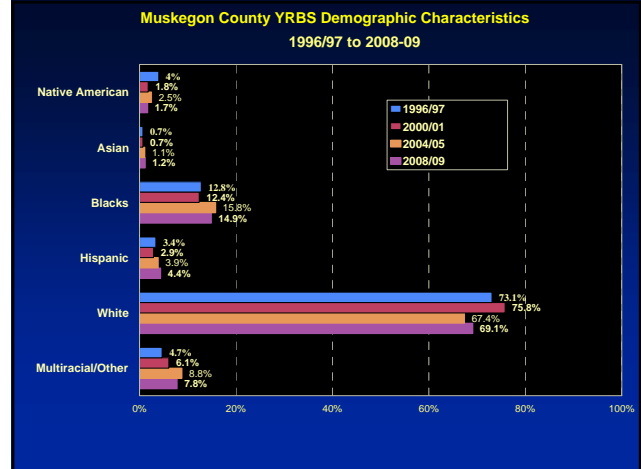


2008/09 Muskegon County Youth Risk Behavior Survey

Methodology and Key Findings



Data Edit Procedures to Ensure Data Quality

- Data were cleaned and edited in accordance with CDC's criteria.
 - 1. Single column variable with only one choice
 - 2. Height, weight, and Body Mass Index (BMI) edits
 - 3. Logical consistency edits
 - 4. Subversion of records

Height/Weight Edits

- 1. Height and weight must both be present. Value is set to missing if either one is missing
- 2. If age or sex is missing, height, weight, and BMI are set to missing because the biologically implausible value edits are based on age and sex.
- 3. If the answer lies outside the limits, height, weight, and BMI are set to missing (198 responses were deleted through the process).

- Example:

Age	Males	Females
13 - 14	Weight: 27.22-181.44kg Height: 1.27 - 1.98m BMI: 13-55	Weight: 27.22-181.44 kg Height: 1.27-1.98m BMI: 13-55
≥ 15	Weight: 31.75-181.44kg Height: 1.27 - 2.11m BMI: 13-55	Weight: 27.22-181.44kg Height: 1.27 - 1.98m BMI: 13-55

Logical Consistency Edits

- The edits compare two questions at a time to ensure logical consistency. If responses from two or more questions conflict logically, the variables are set to missing.
 - Example: Weapon carrying in past 30 days
 - Value is set missing if :
 - Question 12 = 1 and question 14 = 2,3,4,5

Subversion of Records

- Subverted records are excluded on the data file IF
 - 1. A student answered 20 or fewer questions, or
 - 2. Answers with 2, 3, 4, 5, 6, 7, or 8
15 or more times in a row.

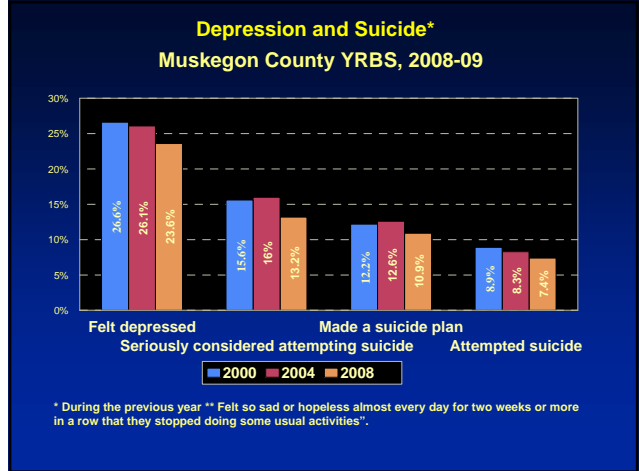
Comparison between 2004/5 and 2008/09 47 Items Measuring Risk Behaviors

- Muskegon County students showing improvements in health-related behaviors
 - 25 of 47 items measuring risk behaviors showed a general decline
 - 9 of 47 items remained the same
 - 13 of 47 items not showing progress

Decrease in Risk Behaviors from 2004 to 2008

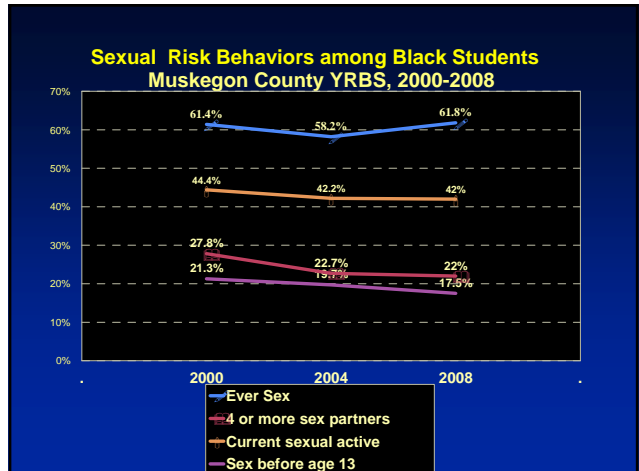
- Behaviors that contribute to unintentional injury (2 of 3 items)
 - "Car passenger seat belt" and "Car passenger with driver DUI 30 days"
- Violence (4 of 7 items)
 - "Carrying weapon", "Carrying a gun", "Physical fight", and "Injury in fight".
- Depression and suicidal behaviors (all of 5 items)
 - "Depression", "Considering attempting suicide", "Suicide plan", "Suicide attempt", and "Injury from suicide".
- Tobacco use (6 of 9 items)
 - "Ever cigarettes", "Cigarettes before age 13", "Smoking 20 or more in 30 days", "Smoking 2 or more per day", and "Smokers under age 18 buying cigarettes at local store/gas station".

- Hispanic students remain at greater risk for certain health related behaviors and have not matched the progress made over time by black students and white students.
 - Hispanic students were more likely than either black students or white students to be engaged in risk behaviors related to unintentional injury, violence, tobacco use, alcohol use, and other drug use.
 - Hispanic students were also more likely than both black students and white students to attempt suicide and to say they did not go to school on occasion because of safety concerns.



Changes in Risk Behaviors

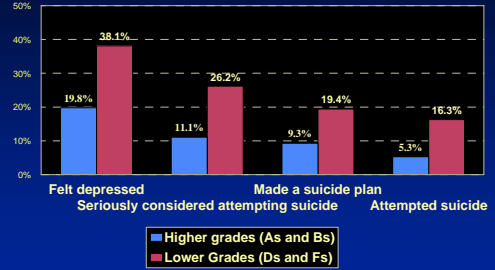
- ➔ Increase
 - Alcohol use (3 of 4 items)
 - "Ever drink alcohol", "Binge drink", and "Current drinker"
 - Sexual behaviors (3 of 4 items)
 - "Sexual intercourse ever", "four or more sex partners", and "sexual intercourse within the last 3 months"
- ➔ Decrease
 - Overall in the percentage of African-American students ---
 - Who had ever had sexual intercourse
 - Who had sexual intercourse for the first time before age 13
 - Who had sexual intercourse within the last 3 months
 - Who had sex with 4 or more people during their lifetime.



Other Findings

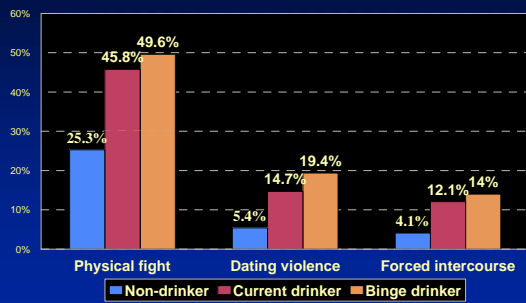
- 1. Depression and suicide by academics
- 2. Interpersonal violence by drinking status
- 3. Interpersonal violence by any tobacco use

Depression and Suicide by Academics* Muskegon County YRBS, 2008-09



* During the previous year ** Felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities**.

Interpersonal Violence by Drinking Status Muskegon County YRBS, 2008-09



Interpersonal Violence by Any Tobacco Use Muskegon County YRBS, 2008-09

