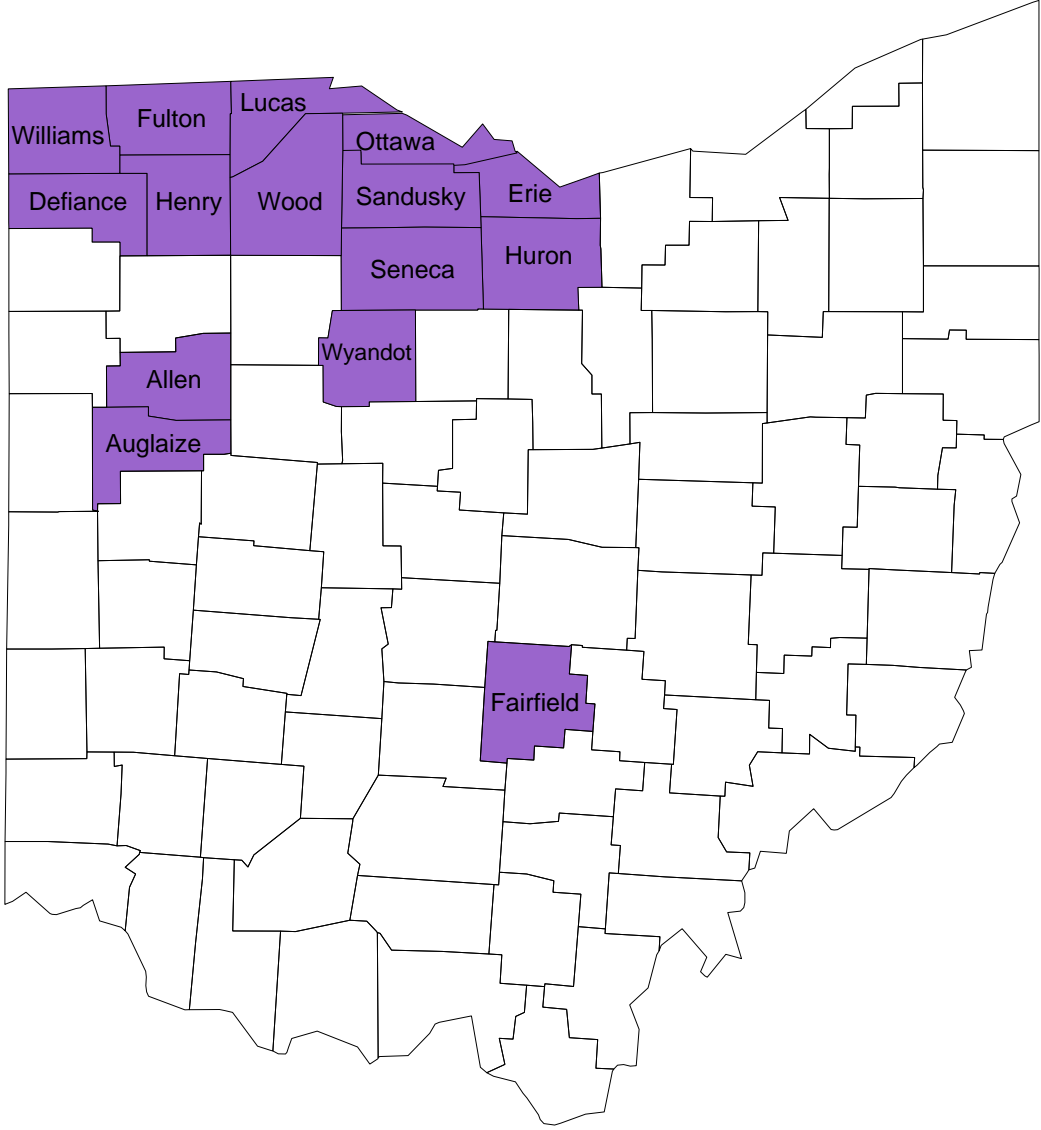


Community Health Assessment Report



Compiled by:
Hospital Council of NW Ohio
Updated December 2010

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Executive Summary

This executive summary provides an overview of health-related data for NW Ohio adults (19 years of age and older) and youth (ages 12 through 18) who participated in county-wide health assessment surveys from 2004-2010. The findings are based on self-administered surveys using a structured questionnaire. The questions were modeled after the survey instruments used by the Centers for Disease Control and Prevention for the national and state Behavioral Risk Factor Surveillance System (BRFSS) and Youth Risk Behavior Surveillance Survey (YRBSS). The Healthy Communities Foundation of the Hospital Council of Northwest Ohio collected the data, guided the health assessment process and integrated sources of primary and secondary data into individual county reports. Data from the individual reports have been compiled from the following counties: Allen, Auglaize, Defiance, Erie, Fairfield, Fulton, Henry, Huron, Lucas, Ottawa, Sandusky, Seneca, Williams, Wood, and Wyandot. Some NW Ohio counties have completed a health assessment more than once.

Primary Data Collection Methods

Design

The community health assessments were cross-sectional in nature and included a written survey of both adults and adolescents. From the beginning, community leaders were actively engaged in the planning process and helped define the content, scope, and sequence of the study. Active engagement of community members throughout the planning process is regarded as an important step in completing a valid needs assessment.

Instrument Development

Each county developed two survey instruments for this study: one for adults and one for adolescents. As a first step in the design process, health education researchers from the University of Toledo and staff members from the Hospital Council of NW Ohio met to discuss potential sources of valid and reliable survey items that would be appropriate for assessing the health status and health needs of adults and adolescents. The investigators decided to derive the majority of the adult survey items from the Behavioral Risk Factor Surveillance System Survey. The majority of the survey items for the adolescent survey were derived from the Youth Risk Behavior Surveillance System survey. A core set of questions were used in each county so that comparisons can be made with neighboring NW Ohio counties.

The Project Coordinator from the Hospital Council of NW Ohio conducted a series of meetings with the planning committee with each county. During these meetings, banks of potential survey questions from the BRFSS and YRBSS surveys were reviewed and discussed. Based on input from the planning committees, the Project Coordinator composed a draft of a survey for each county containing between 110 and 115 items. The drafts were reviewed and approved by health education researchers at the University of Toledo.

Sampling

Adult Survey

In each county, adults age 19 and over with a mailing address within the county were used as the sampling frame for the adult survey. Since U.S. Census Bureau age categories do not correspond

exactly to this age parameter, the investigators calculated the population of 15-74 year olds living in each county. The investigators conducted a power analysis to determine what sample size was needed to ensure a 95% confidence level with a corresponding confidence interval of 5% (i.e., we can be 95% sure that the “true” population responses are within a 3% margin of error of the survey findings.) A sample size of at least 375 adults was needed to ensure this level of confidence. The random sample of mailing addresses of adults from each county was obtained from American Clearinghouse in Louisville, KY.

Procedure

Adult Survey

Prior to mailing the survey to adults, an advance letter was mailed to 800 adults in each county. This advance letter was personalized, printed on local stationery and was usually signed by the county health commissioner or CEO of a hospital. The letter introduced the county health assessment project and informed the readers that they may be randomly selected to receive the survey. The letter also explained that the respondents’ confidentiality would be protected and encouraged the readers to complete and return the survey promptly if they were selected.

Two weeks following the advance letter, a three-wave mailing procedure was implemented to maximize the survey return rate. The initial mailing included a personalized hand signed cover letter describing the purpose of the study; a questionnaire printed on colored paper; a self-addressed stamped return envelope; and a \$2 or \$5 incentive. Approximately two weeks after the first mailing, a second wave mailing included another personalized cover letter encouraging them to reply, another copy of the questionnaire on colored paper, and another reply envelope. A third wave postcard was sent two weeks after the second wave mailing. Surveys returned as undeliverable were not replaced with another potential respondent.

Methodology for the adult survey was slightly different between 2004 and 2006. Initially, the return envelopes were coded and a second survey was only sent to those adults who had not yet responded. In June 2005, the Hospital Council of NW Ohio hired Chesapeake Research and Review, Inc. of Columbia, Maryland as an independent internal review board (IRB) to oversee the health assessment methodology. The IRB directed Hospital Council of NW Ohio not to code the return envelopes and instead send the four-wave mailing to everyone. This ensured anonymity and confidentiality.

Response rates for the mailing ranged between 54% and 80% (see chart on page 4). These return rates mean that the responses documented in the health assessments should be representative of the entire county.

Adolescent Survey

Schools and grades were randomly selected. Each student in that grade had to have an equal chance of being in the class that was selected, such as a general English or health class. Classrooms were chosen by the school principal. Passive permission slips were mailed home to parents of any student whose class was selected to participate. The response rates ranged from 89% to 100%. The number needed to have adequate power was between 333 and 375. The surveys contained between 73 and 110 questions and had a multiple choice response format.

Data Analysis

Individual responses were anonymous and confidential. Only group data are available. All data were analyzed by health education researchers at the University of Toledo using SPSS 12.0. Crosstabs were used to calculate descriptive statistics for the data presented in this report. To be representative of each county, the data collected was weighted by age, gender, race, and income

using 2000 census data. Multiple weightings were created based on this information to account for different types of analyses. For more information on how the weightings were created and applied, see page 18.

Limitations

As with all county assessments, it is important to consider the findings in light of all possible limitations. First, the county adult assessments had a very high response rate (54% to 80%). However, if any important differences existed between the respondents and the non-respondents regarding the questions asked, this would represent a threat to the external validity of the results (the generalizability of the results to the population of each county). In other words, if the one-third of those who were sent the survey who did not respond would have answered the questions significantly differently than the two-thirds who did respond, the results of this assessment would under-represent or over-represent their perceptions and behaviors. If there were little to no differences between respondents and non-respondents, then this would not be a limitation. Also, it is important to note that, although several questions were asked using the same wording as the CDC questionnaires, the adult data collection method differed. CDC adult data were collected using a set of questions from the total question bank and adults were asked the questions over the telephone rather than as a mail survey. The youth CDC survey was administered in schools in a similar fashion as these county health assessments.

Regional Adult Response Rates

County	Date Surveyed	Response Rate	Sample Size (n)	Incentive Amount	Number of questions	Method
Eric	Jun-Aug 2004	80%	590	\$5	108	Coded
Henry	Feb-Apr 2005	71%	514	\$2	109	Coded
Fulton	Mar-May 2005	73%	541	\$5	112	Coded
Sandusky	Aug-Oct 2005	68%	565	\$2	105	Not Coded
Seneca	Sept-Oct 2005	67%	485	\$2	113	Not Coded
Ottawa	Apr-May 2006	67%	495	\$2	106	Not Coded
Wyandot	Jun-Aug 2006	65%	505	\$2	115	Not Coded
Lucas	Jan-Mar 2007	56%	1,282	\$2	115	Not Coded
Huron	May-Jun 2007	68%	535	\$2	114	Not Coded
Wood	Oct-Nov 2007	67%	503	\$2	115	Not Coded
Auglaize	Jan-Mar 2008	73%	578	\$2	114	Not Coded
Eric	Aug-Oct 2008	54%	844	\$2	115	Not Coded
Allen	Jan-Mar 2009	61%	446	\$2	134	Not Coded
Seneca	Mar-May 2009	64%	477	\$2	115	Not Coded
Defiance	June-Aug 2009	65%	467	\$2	115	Not Coded
Wyandot	Jul-Sept 2009	56%	441	\$2	114	Not Coded
Sandusky	Jan-Apr 2010	62%	525	\$2	114	Not Coded
Henry	Feb-Jun 2010	71%	537	\$2	115	Not Coded
Fairfield	Mar-May 2010	57%	440	\$2	115	Not Coded

School Participation by County

Allen 2008 (n=376): Allen East HS, Jefferson HS, Elida HS, Elida MS, HS of Multiple Intelligences, Performance Based School, Progressive Academy, Lima West MS, Perry HS, Shawnee HS, Shawnee MS, Spencerville HS

**Bath and Bluffton school districts chose not to participate

Auglaize 2008 (n=427): Minster HS, Minster MS, New Bremen HS, New Bremen JHS, New Knoxville HS, Memorial HS, East Elementary School, Wapakoneta HS, Wapakoneta MS, Waynesfield-Goshen HS/MS

Defiance 2008 (n=457): Ayersville MS, Ayersville HS, Fairview MS, Fairview HS, Defiance MS, Defiance JHS, Defiance HS, Hicksville Elementary School, Hicksville HS, Tinora Elementary School, Tinora JHS, Tinora HS

Erie 2004 (n=373), **Erie 2008** (n=491): Adams JHS, Berlin-Milan MS, Edison HS, Margaretta HS, McCormick MS, Perkins HS, Sandusky HS, Vermillion HS; ***2004 ONLY:** Perkins MS; ***2008 ONLY:** Briar MS, Huron HS, Jackson JHS, Margaretta Elementary School, Sailorway MS, Venice Heights Elementary School, Woodlands Elementary School

Fairfield 2010 (n=453): Amanda-Clearcreek MS, Amanda-Clearcreek HS, Berne Union MS, Berne Union HS, Bloom-Carroll MS, Bloom-Carroll HS, Fairfield Union JHS, Fairfield Union HS, General Sherman JHS, Harmon MS, Lakeview JHS, Lancaster HS, Liberty Union MS, Liberty Union HS, Millersport HS, Pickerington HS Central, Pickerington HS North, Ridgeview JHS, Thomas Ewing JHS

Fulton 2005 (n=454), **Fulton 2008** (n=410), **Fulton 2010** (n=412): Delta MS, Delta HS, Evergreen MS, Evergreen HS, Swanton MS, Swanton HS, Wauseon HS; ***2005, 2008 ONLY:** Burr Road MS; ***2008, 2010 ONLY:** Archbold MS, Archbold HS, Gorham Fayette HS, Pettisville HS; ***2010 ONLY:** Wauseon MS

**Archbold, Pettisville, and Gorham Fayette School Districts chose not to participate in 2005

Henry 2005 (n=385), **Henry 2010** (n=414): Holgate JHS, Holgate HS, Liberty Center MS, Liberty Center HS, Napoleon MS, Napoleon HS, Patrick Henry MS, Patrick Henry HS

Huron 2007 (n=366): Ellis Elementary School, Bellevue HS, Monroeville HS, New London MS, New London HS, Main Street Elementary School, Norwalk MS, Norwalk HS, South Central Elementary School, South Central HS, Western Reserve MS, Western Reserve HS, Willard MS, Willard HS

Ottawa 2006 (n=367): Danbury HS, Genoa HS, Genoa MS, Jefferson Elementary School, Oak Harbor HS, Oak Harbor MS, Port Clinton HS, Port Clinton MS

Sandusky 2005 (n=363), **Sandusky 2007** (n=383), **Sandusky 2009** (n=400): Clyde HS, Fremont MS, Fremont Ross HS, Gibsonburg HS, Lakota HS, McPherson MS; ***2005 ONLY:** Bellevue HS; ***2005, 2007 ONLY:** Gibsonburg MS, Green Springs Elementary School; ***2007 ONLY:** Stamm Elementary School, Woodmore MS; ***2007, 2009 ONLY:** Lakota MS, Woodmore HS; ***2009 ONLY:** Otis Elementary School, Woodmore Elementary School

Seneca 2005 (n=367), **Seneca 2009** (n=341): Columbian HS, Fostoria MS, Fostoria HS, Hopewell-Loudon HS, New Riegel HS, Seneca East HS, Tiffin MS; ***2005 ONLY:** Bettsville MS, Hopewell Loudon MS; ***2009 ONLY:** Bettsville HS, Hopewell-Loudon Elementary School, Old Fort HS, Seneca East JHS

Williams 2006 (n=367), **Williams 2009** (n=422): Edgerton Elementary School, Edgerton HS, Edon MS, Edon HS, Hilltop HS, Montpelier HS, North Central HS, Stryker HS; ***2009 ONLY:** Bryan MS, Bryan HS, North Central Elementary School

Wood 2008 (n=492): Bowling Green HS, Bowling Green JHS, Eastwood HS, Eastwood MS, Elmwood HS, Elmwood MS, Lake HS, Lake MS, North Baltimore HS, Northwood MS, Otsego HS, Perrysburg HS, Rossford HS, Rossford JHS

Wyandot 2006 (n=359), **Wyandot 2009** (n=356): Carey MS, Carey HS, Mohawk HS, McCutchenville Elementary School, Sycamore Elementary School, Upper Sandusky MS, Upper Sandusky HS; ***2009 ONLY:** Mohawk MS

Adult Comparisons: Risky Behaviors

	Alcohol Consumption		Tobacco Use		Drug Use
	Current Drinker (Had at least one alcoholic beverage in past month)	Binge Drinker (5 or more drinks in a couple of hours on an occasion in the past month)	Current Smoker (currently smoke all or some days)	Former Smoker (smoked 100 cigarettes in lifetime & now do not smoke)	Recreational Drug Use (in past 6 months)
Erie 2004	47%	24%	28%	25%	8%
Henry 2005	47%	22%	25%	26%	3%
Fulton 2005	51%	21%	23%	33%	13%
Seneca 2005	43%	17%	24%	27%	4%
Sandusky 2005	N/A	18%	23%	25%	7%
Ottawa 2006	55%	17%	21%	33%	5%
Wyandot 2006	46%	17%	27%	21%	14%
Lucas 2007	57%	18%	23%	25%	9%
Huron 2007	58%	27%	20%	25%	12%
Wood 2007	63%	29%	23%	33%	5%
Auglaize 2008	57%	20%	18%	22%	2%
Erie 2008	60%	24%	21%	25%	8%
Allen 2009	56%	20%	22%	28%	5%
Seneca 2009	56%	17%	19%	26%	5%
Defiance 2009	52%	20%	21%	29%	6%
Wyandot 2009	45%	22%	26%	22%	3%
Sandusky 2009	56%	21%	19%	24%	7%
Henry 2010	50%	19%	17%	26%	1%
Fairfield 2010	45%	19%	17%	26%	5%
Ohio 2009	54%	16%	20%	26%	N/A
U.S. 2009	54%	16%	18%	26%	N/A

N/A = Data Not Available

Adult Comparisons: Chronic Disease

	Arthritis, Asthma, and Diabetes			Hypertension & Cholesterol		Weight Status		
	Diagnosed with arthritis	Diagnosed with asthma	Diagnosed with diabetes	Diagnosed with high blood pressure	Diagnosed with high blood cholesterol	Trying to lose weight	Obese	Overweight
Erie 2004	29%	N/A	8%	27%	31%	N/A	31%	35%
Henry 2005	30%	11%	8%	34%	32%	N/A	36%	39%
Fulton 2005	23%	14%	8%	26%	24%	N/A	34%	35%
Seneca 2005	29%	17%	11%	34%	35%	48%	36%	36%
Sandusky 2005	34%	9%	12%	37%	33%	46%	31%	38%
Ottawa 2006	37%	9%	8%	32%	31%	47%	33%	34%
Wyandot 2006	30%	9%	10%	34%	32%	44%	27%	35%
Lucas 2007	27%	12%	12%	35%	34%	54%	33%	37%
Huron 2007	30%	14%	12%	36%	33%	49%	34%	34%
Wood 2007	33%	17%	7%	35%	31%	50%	30%	40%
Auglaize 2008	27%	9%	8%	35%	30%	50%	33%	39%
Erie 2008	11%	11%	10%	35%	42%	48%	33%	38%
Allen 2009	29%	11%	12%	41%	34%	55%	41%	36%
Seneca 2009	28%	13%	11%	33%	31%	47%	27%	41%
Defiance 2009	N/A	3%	12%	18%	18%	56%	35%	32%
Wyandot 2009	30%	13%	11%	40%	37%	46%	33%	39%
Sandusky 2009	34%	12%	14%	34%	27%	51%	34%	35%
Henry 2010	29%	7%	6%	33%	29%	49%	33%	32%
Fairfield 2010	39%	11%	15%	39%	45%	61%	33%	34%
Ohio 2009	31%	15%	11%	32%	40%	N/A	30%	37%
U.S. 2009	26%	13%	9%	29%	38%	N/A	27%	36%

N/A = Data Not Available

Adult Comparisons: Health Care

	Health Care Access			Health Status
	Uninsured	Visited a doctor for a routine checkup in past year	Visited a dentist within the past year	Rated general health as fair or poor
Erie 2004	11%	N/A	63%	19%
Henry 2005	7%	N/A	67%	11%
Fulton 2005	10%	58%	63%	13%
Seneca 2005	10%	63%	67%	14%
Sandusky 2005	7%	64%	57%	15%
Ottawa 2006	6%	73%	66%	11%
Wyandot 2006	10%	62%	61%	9%
Lucas 2007	12%	N/A	66%	14%
Huron 2007	8%	49%	59%	12%
Wood 2007	8%	55%	64%	11%
Auglaize 2008	6%	45%	63%	11%
Erie 2008	10%	63%	64%	16%
Allen 2009	14%	62%	60%	19%
Seneca 2009	11%	52%	62%	12%
Defiance 2009	12%	54%	64%	13%
Wyandot 2009	14%	57%	51%	9%
Sandusky 2009	14%	59%	62%	12%
Henry 2010	12%	N/A	69%	10%
Fairfield 2010	8%	62%	69%	16%
Ohio 2009	12%	N/A	72%*	16%
U.S. 2009	14%	N/A	71%*	14%

N/A = Data Not Available

**2008 BRFSS data*

Adult Comparisons: Preventive Behaviors

	Preventive Behaviors			
	Flu shot (in past 12 mos.)	Pneumonia vaccination (those age 65+ who have had one in their lifetime)	Mammogram (in past year)	Clinical breast exam (in past year)
Erie 2004	33%	42%	50%	58%
Henry 2005	N/A	39%	33%	59%
Fulton 2005	N/A	36%	30%	54%
Seneca 2005	25%	44%	29%	57%
Sandusky 2005	28%	46%	43%	58%
Ottawa 2006	37%	66%	37%	61%
Wyandot 2006	41%	50%	29%	57%
Lucas 2007	31%	59%	29%	56%
Huron 2007	36%	72%	35%	51%
Wood 2007	31%	57%	32%	59%
Auglaize 2008	38%	65%	33%	55%
Erie 2008	36%	51%	39%	60%
Allen 2009	35%	61%	41%	58%
Seneca 2009	38%	N/A	42%	58%
Defiance 2009	40%	N/A	36%	62%
Wyandot 2009	40%	47%	32%	64%
Sandusky 2009	35%	66%	36%	52%
Henry 2010	44%	66%	43%	62%
Fairfield 2010	56%	35%	45%	54%
Ohio 2009	N/A	67%	N/A	N/A
U.S. 2009	N/A	69%	N/A	N/A

N/A = Data Not Available

Youth 6th -12th Grade Comparisons: Injury-Related Behavior

	Injury-Related Behavior						
	Rode with a drunk driver in past 30 days	Carried a weapon in past 30 days	Involved in a physical fight in past 12 months	Involved in a physical fight on school property in past 12 months	Threatened or injured with a weapon on school property in past 12 months	Seriously considered suicide in past 12 months	Attempted suicide in past 12 months
Erie 2004	18%	14%	31%	N/A	7%	15%	8%
Henry 2005	26%	10%	31%	N/A	5%	9%	4%
Fulton 2005	24%	15%	N/A	N/A	10%	19%	9%
Seneca 2005	28%	10%	33%	15%	5%	12%	8%
Sandusky 2005*	24%	14%	24%	9%	4%	13%	8%
Ottawa 2006	24%	16%	30%	11%	N/A	13%	6%
Wyandot 2006	18%	14%	26%	7%	1%	10%	4%
Williams 2006	16%	12%	34%	9%	5%	10%	5%
Huron 2007	16%	14%	37%	13%	7%	11%	5%
Sandusky 2007*	22%	23%	11%	7%	12%	4%	4%
Wood 2008	18%	10%	28%	N/A	N/A	9%	4%
Auglaize 2008	23%	13%	25%	9%	4%	13%	6%
Fulton 2008	19%	13%	N/A	N/A	4%	8%	3%
Erie 2008	18%	11%	35%	N/A	7%	11%	6%
Allen 2009	22%	15%	31%	11%	11%	13%	5%
Seneca 2009	19%	11%	25%	N/A	7%	10%	5%
Defiance 2009	18%	16%	27%	N/A	N/A	11%	7%
Wyandot 2009	21%	14%	26%	N/A	5%	14%	6%
Williams 2009	15%	20%	30%	9%	3%	7%	3%
Sandusky 2009	24%	11%	26%	8%	5%	N/A	4%
Henry 2010	20%	13%	30%	N/A	7%	11%	5%
Fairfield 2010	19%	11%	30%	14%	7%	14%	7%
Fulton 2010	15%	14%	N/A	N/A	7%	10%	4%
Ohio 2007*	23%	17%	30%	9%	8%	13%	7%
U.S. 2009*	28%	18%	32%	11%	8%	14%	6%

N/A = Data Not Available

*Data for 9th - 12th grade youth

Youth 6th -12th Grade Comparisons: Alcohol & Tobacco

	Alcohol Use			Tobacco Use		
	Lifetime Alcohol Use (Ever tried alcohol)	Current Drinker (Drank in past month)	Binge Drinker (5 or more drinks on an occasion in past month)	Lifetime Cigarette Use (ever tried cigarette smoking)	Current Smoker (Smoked in the past month)	Smokeless Tobacco User (in the past month)
Erie 2004	60%	30%	16%	58%	16%	8%
Henry 2005	55%	29%	20%	38%	16%	5%
Fulton 2005	58%	29%	19%	42%	19%	6%
Seneca 2005	65%	35%	24%	43%	17%	7%
Sandusky 2005*	80%	43%	27%	58%	19%	4%
Ottawa 2006	66%	32%	18%	37%	16%	8%
Wyandot 2006	62%	27%	16%	37%	15%	7%
Williams 2006	54%	23%	14%	30%	10%	5%
Huron 2007	65%	31%	20%	40%	16%	7%
Sandusky 2007*	72%	39%	24%	53%	21%	6%
Wood 2008	61%	30%	21%	35%	15%	4%
Auglaize 2008	60%	38%	26%	30%	16%	10%
Fulton 2008	41%	18%	9%	24%	8%	4%
Erie 2008	57%	28%	17%	34%	16%	5%
Allen 2009	68%	34%	22%	29%	16%	8%
Seneca 2009	60%	29%	18%	32%	11%	6%
Defiance 2009	54%	19%	11%	51%	12%	6%
Wyandot 2009	60%	30%	17%	36%	14%	11%
Williams 2009	49%	18%	9%	26%	9%	7%
Sandusky 2009	53%	27%	15%	33%	15%	9%
Henry 2010	49%	19%	11%	15%	9%	5%
Fairfield 2010	63%	33%	19%	36%	16%	11%
Fulton 2010	40%	15%	9%	20%	8%	6%
Ohio 2007*	76%	46%	29%	51%	22%	10%
U.S. 2009*	73%	42%	24%	46%	20%	9%

*Data for 9th - 12th grade youth

Youth 6th -12th Grade Comparisons: Sexual Behavior & Weight Status

	Sexual Behaviors				Weight Status	
	Ever had sexual intercourse	Had four or more sexual partners	Used a condom at last sexual intercourse	Used birth control pills at last sexual intercourse	Considered obese by BMI	Considered overweight by BMI
Erie 2004	N/A	N/A	N/A	N/A	16%	15%
Henry 2005	38%	6%	57%	16%	16%	15%
Fulton 2005	N/A	N/A	N/A	N/A	14%	20%
Seneca 2005	31%	6%	66%	21%	11%	12%
Sandusky 2005	31%	9%*	55%*	22%*	11%	12%
Ottawa 2006	31%	11%	76%	26%	13%	14%
Wyandot 2006	24%	7%	68%	29%	16%	16%
Williams 2006	21%	4%	62%	20%	15%	14%
Huron 2007	50%	14%	59%	30%	19%	12%
Sandusky 2007	30%	14%*	66%*	18%*	15%	14%
Wood 2008	31%	7%	74%	28%	16%	11%
Auglaize 2008	25%	5%	61%	33%	14%	13%
Fulton 2008	N/A	N/A	N/A	N/A	11%	13%
Erie 2008	30%	9%	70%	32%	11%	15%
Allen 2009	46%	14%	70%	35%	15%	17%
Seneca 2009	25%	4%	70%	29%	13%	14%
Defiance 2009	24%	4%	66%	28%	14%	18%
Wyandot 2009	28%	7%	67%	49%	14%	13%
Williams 2009	22%	4%	76%	28%	14%	16%
Sandusky 2009	31%	6%	47%	14%	17%	13%
Henry 2010	17%	4%	55%	21%	13%	15%
Fairfield 2010	30%	9%	65%	36%	13%	13%
Fulton 2010	N/A	N/A	N/A	N/A	11%	13%
Ohio 2007*	45%	14%	60%	17%	12%	15%
U.S. 2009*	46%	14%	61%	20%	12%	16%

N/A = Data Not Available

*Data for 9th – 12th grade youth

Youth 6th -12th Grade Comparisons: Drug Use

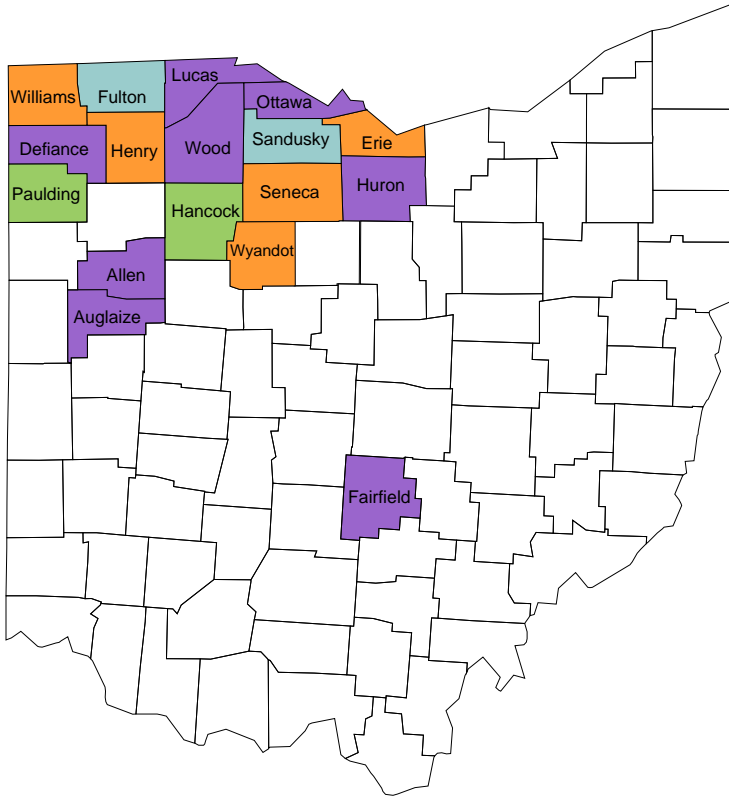
	Drug Use								
	Used marijuana in past 30 days	Used cocaine in their lifetime	Used heroin in their lifetime	Used meth-amphetamines in their lifetime	Used steroids in their lifetime	Used inhalants in their lifetime	Used prescription medication in order to get high or feel good in their lifetime	Used a needle to inject any illegal drug in their lifetime	Offered, sold, or given an illegal drug on school property in past 12 months
Erie 2004	13%	4%	0%	N/A	4%	11%	N/A	1%	24%
Henry 2005	12%	6%	2%	3%	3%	12%	37%	N/A	22%
Fulton 2005	11%	5%	2%	4%	3%	11%	N/A	3%	26%
Seneca 2005	11%	5%	1%	3%	2%	N/A	12%	1%	16%
Sandusky 2005*	18%	5%	2%	5%	3%	15%	N/A	1%	20%
Ottawa 2006	14%	6%	1%	1%	3%	13%	15%	0%	17%
Wyandot 2006	5%	4%	1%	2%	3%	10%	12%	N/A	10%
Williams 2006	3%	2%	1%	1%	1%	8%	5%	1%	6%
Huron 2007	10%	6%	1%	3%	4%	10%	12%	1%	13%
Sandusky 2007*	16%	5%	1%	4%	5%	9%	6%	1%	21%
Wood 2008	12%	4%	3%	2%	2%	11%	15%	1%	3%
Auglaize 2008	8%	3%	2%	1%	2%	9%	9%	1%	10%
Fulton 2008	4%	1%	1%	1%	3%	8%	7%	1%	6%
Erie 2008	14%	5%	1%	2%	2%	9%	11%	1%	11%
Allen 2009	16%	2%	1%	2%	3%	9%	10%	1%	16%
Seneca 2009	10%	3%	1%	2%	1%	7%	10%	N/A	9%
Defiance 2009	8%	2%	2%	3%	2%	7%	7%	2%	16%
Wyandot 2009	9%	4%	1%	1%	2%	8%	10%	1%	5%
Williams 2009	4%	1%	< 1%	1%	1%	6%	5%	< 1%	6%
Sandusky 2009	13%	2%	2%	2%	3%	11%	10%	1%	12%
Henry 2010	6%	2%	1%	1%	2%	10%	7%	N/A	7%
Fairfield 2010	13%	4%	1%	3%	3%	8%	13%	1%	15%
Fulton 2010	8%	2%	1%	1%	2%	6%	7%	1%	7%
Ohio 2007*	18%	8%	4%	6%	5%	12%**	N/A	3%	27%
U.S. 2009*	21%	6%	3%	4%	3%	12%	N/A	2%	23%

N/A = Data Not Available

*Data for 9th - 12th grade youth

**2005 YRBS Data

Regional Participation Map



Purple- Counties completed health assessment
 Orange- Counties completed second health assessment
 Blue- Counties completed third health assessment
 Green- Counties in progress

Future Regional Reports will be released as county assessments are completed and community events have taken place. The next regional report will be released in late 2011. It will include Lucas, Huron, Paulding and Hancock County assessments. Three counties in Northeast Ohio are slated to begin in early 2011.

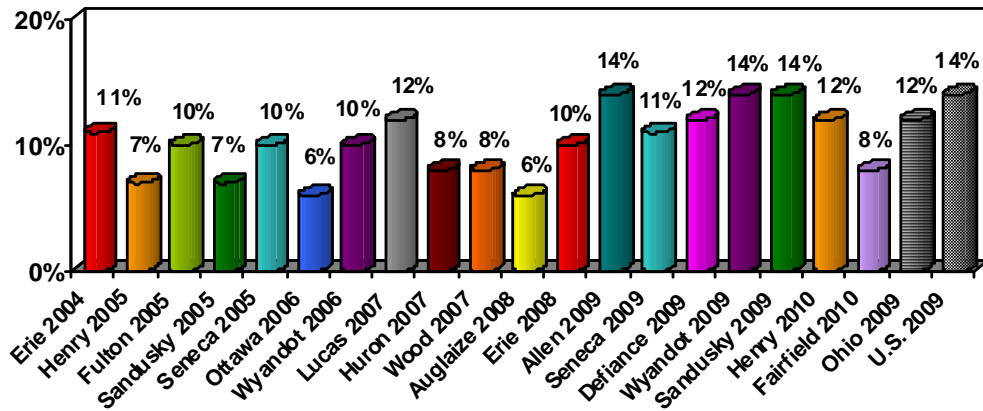
Data Summary

The following graphs represent key data that was gathered by most or all of the surveyed counties. Spaces where no data is presented indicate that data is not available. State, national, and Healthy People 2010 data are included where available. The Ohio and U.S. youth YRBS data presented is for 9th – 12th grade youth only and does not include 6th – 8th grade youth data. Data is presented in chronological order based on the survey dates for each county. Individual counties are represented through multiple years by a single color as follows:

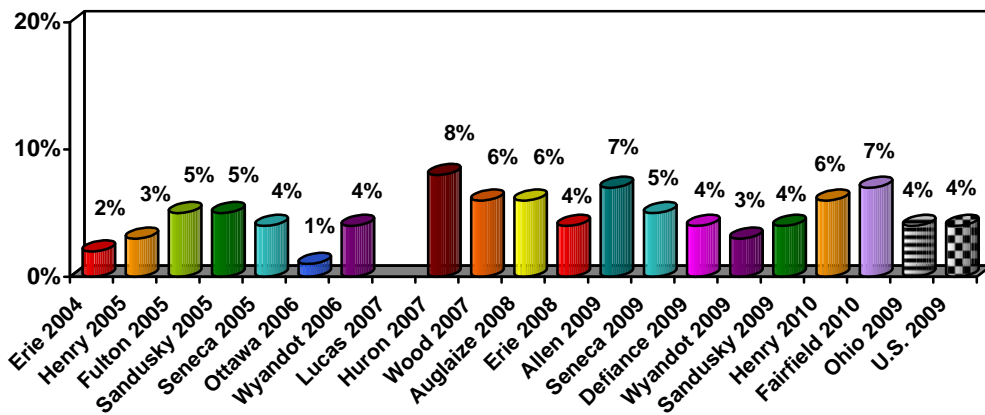
- | | | | |
|-----------|--------------|------------|----------|
| Erie: | RED | Williams: | WHITE |
| Henry: | LIGHT ORANGE | Huron: | DARK RED |
| Fulton: | LIME | Wood: | ORANGE |
| Sandusky: | GREEN | Auglaize: | YELLOW |
| Seneca: | AQUA | Allen: | TEAL |
| Ottawa: | LIGHT BLUE | Defiance: | PINK |
| Wyandot: | VIOLET | Fairfield: | LAVENDER |

Data Summary

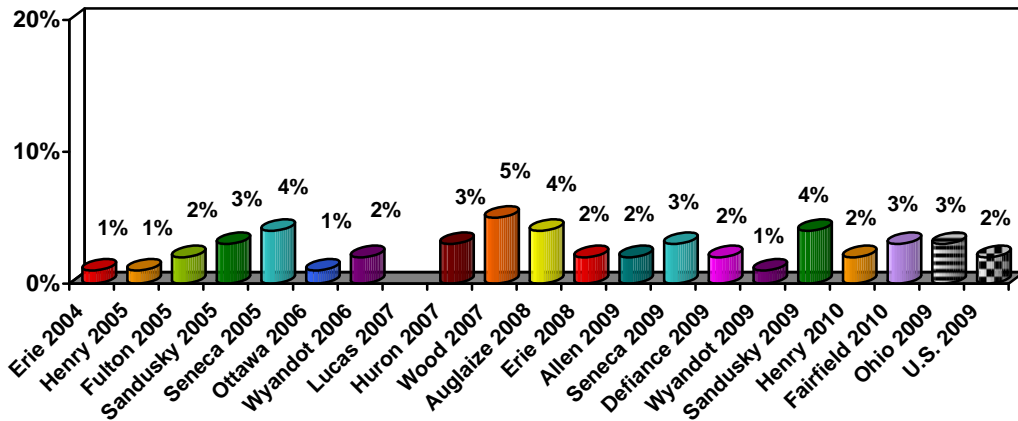
Uninsured Adults



Heart Attacks

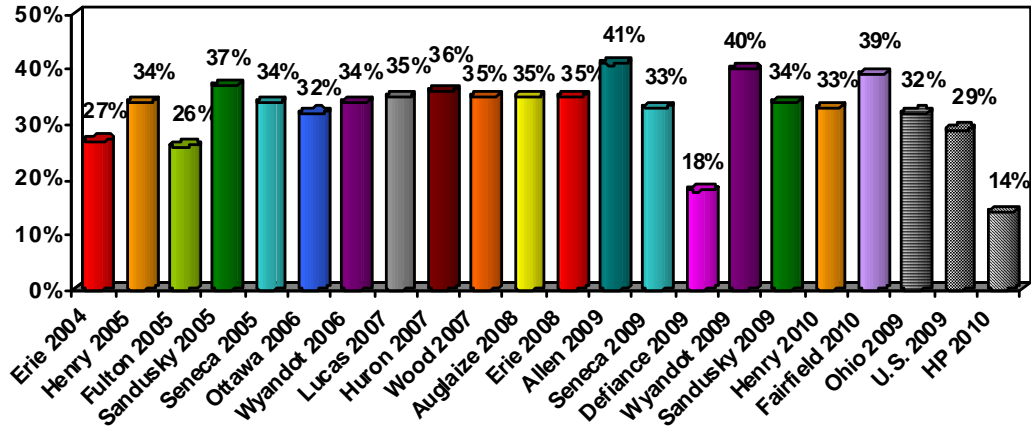


Stroke

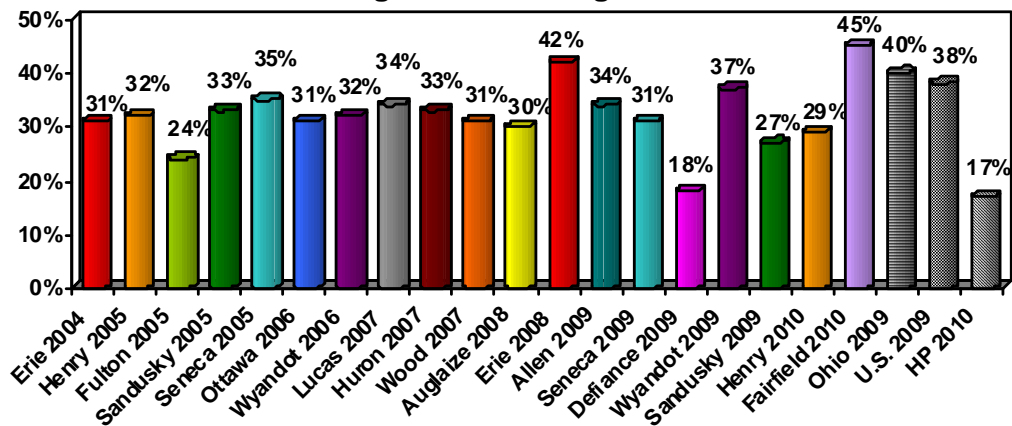


Data Summary

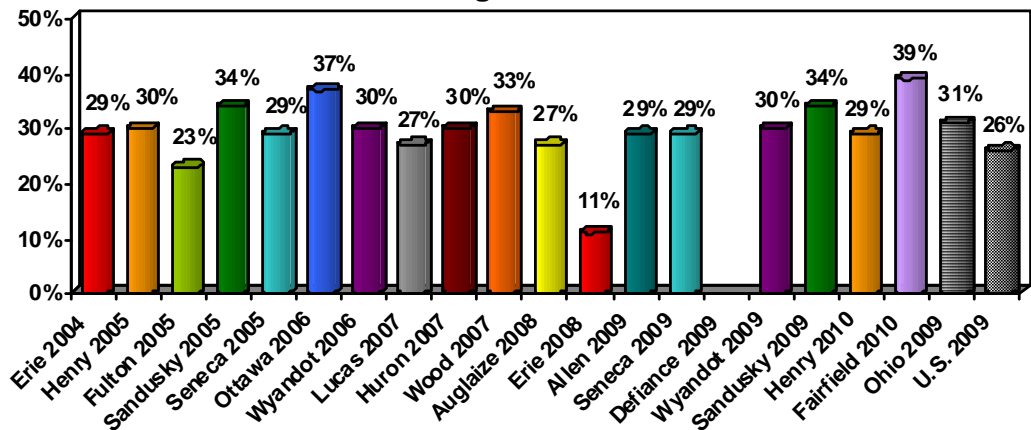
Adults Diagnosed with High Blood Pressure



Adults Diagnosed with High Blood Cholesterol

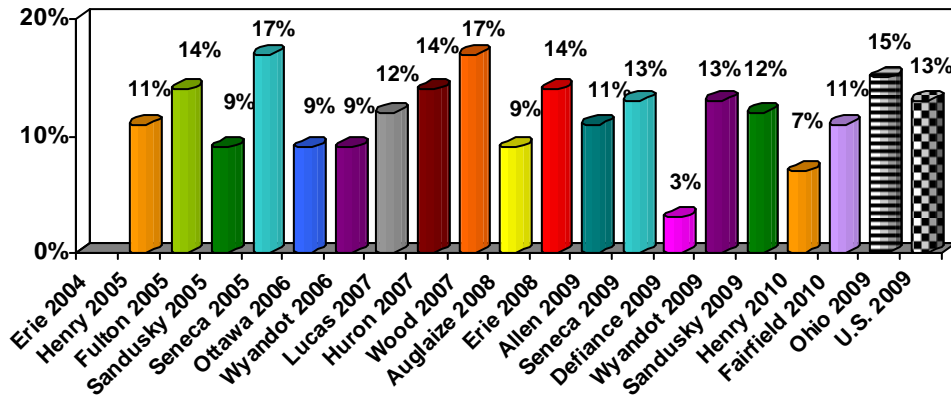


Adults Diagnosed with Arthritis

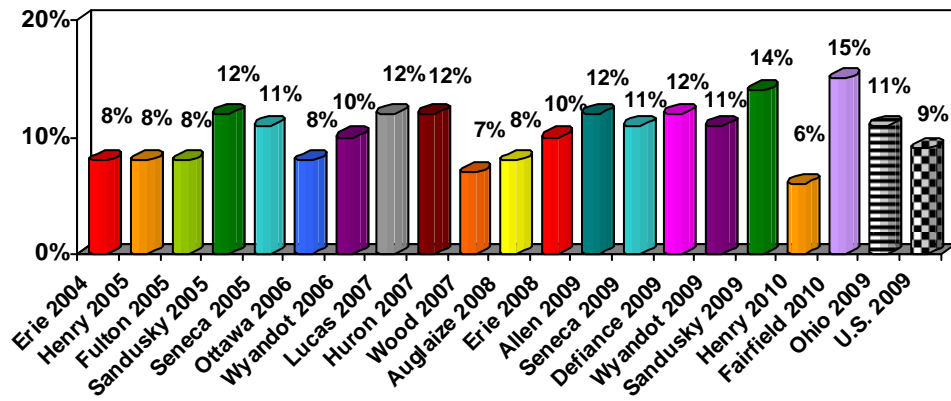


Data Summary

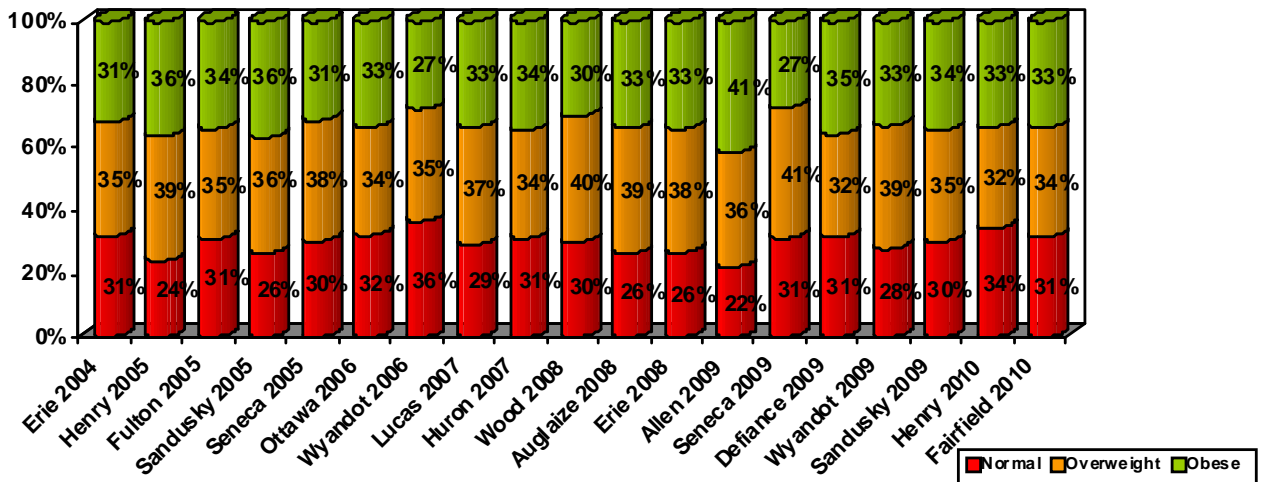
Adults Diagnosed with Asthma



Adults Diagnosed with Diabetes

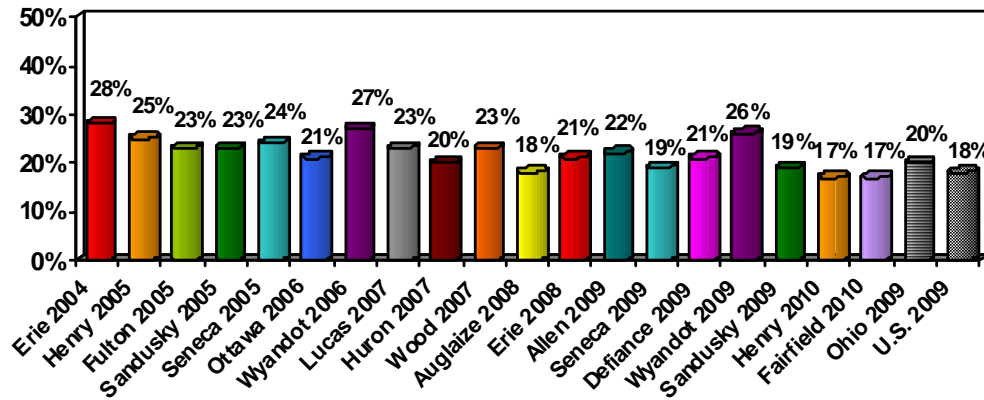


Adult BMI

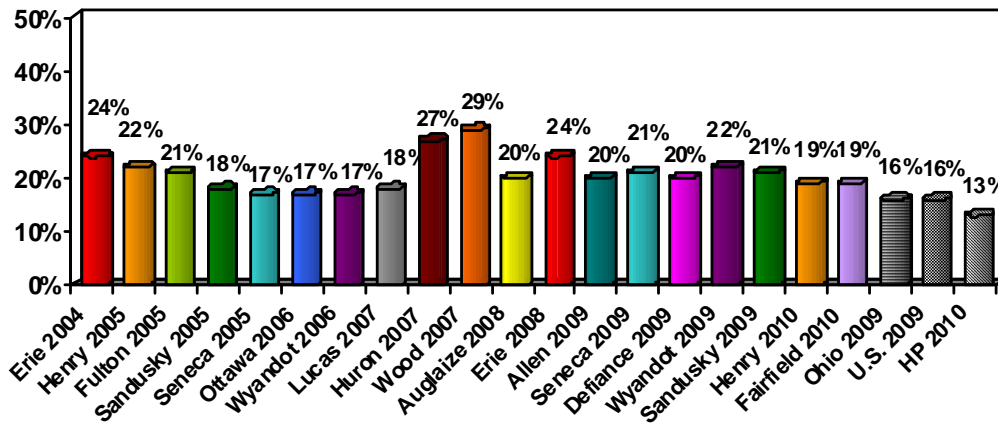


Data Summary

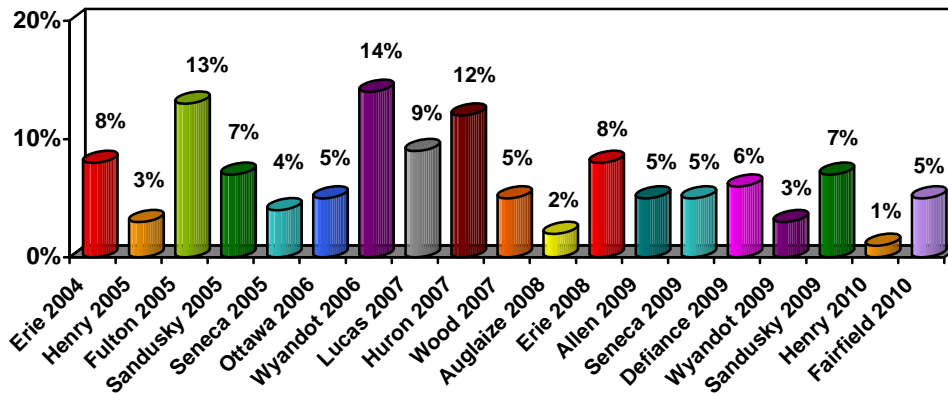
Adults Who Are Current Smokers



Adults Who Binge Drink

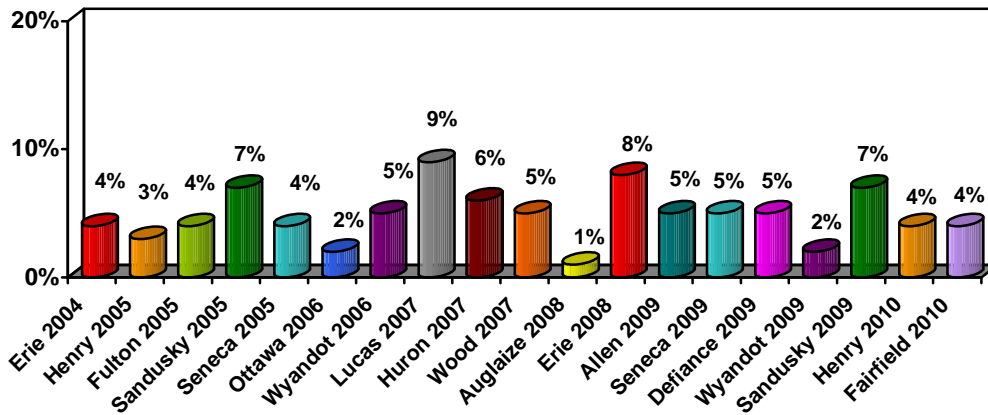


Recreational Drug Use Among Adults

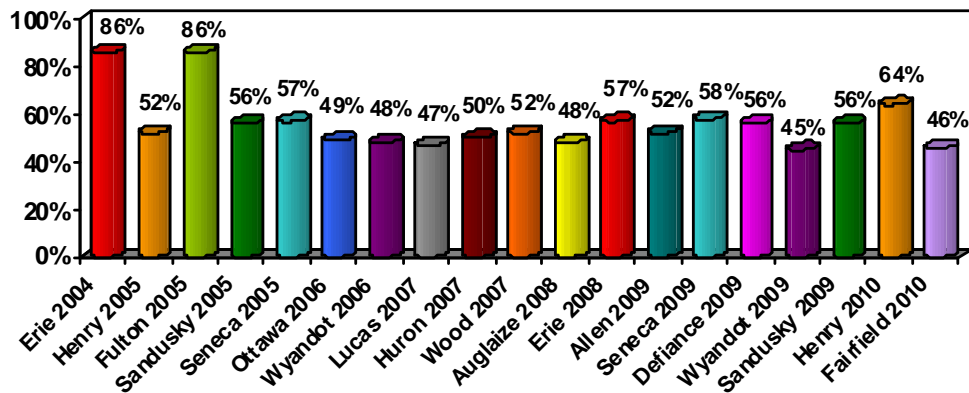


Data Summary

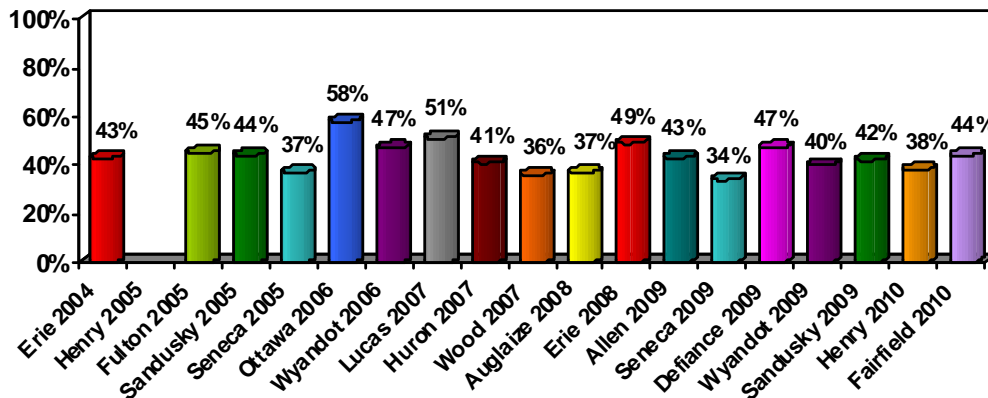
Marijuana Use For Adults



Women 40 Years and Older Who Had A Mammogram Within the Past Year

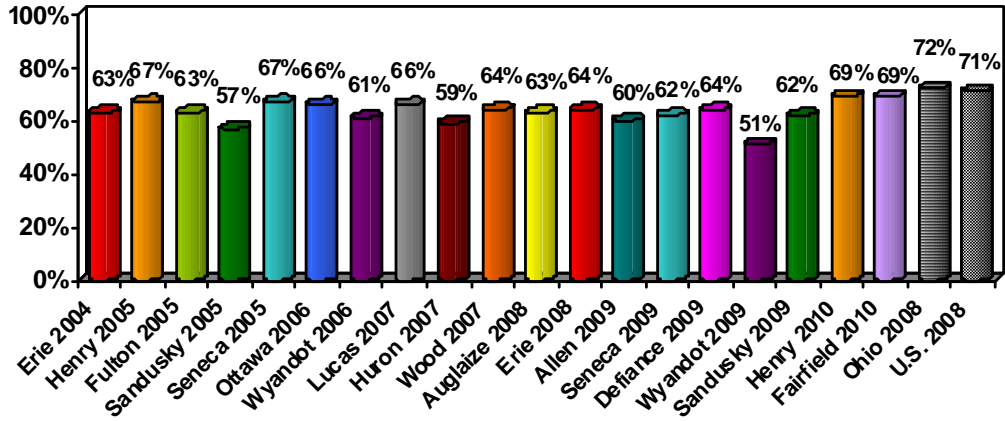


Men Who Have Had A Prostate Specific Antigen Test During Their Lifetime

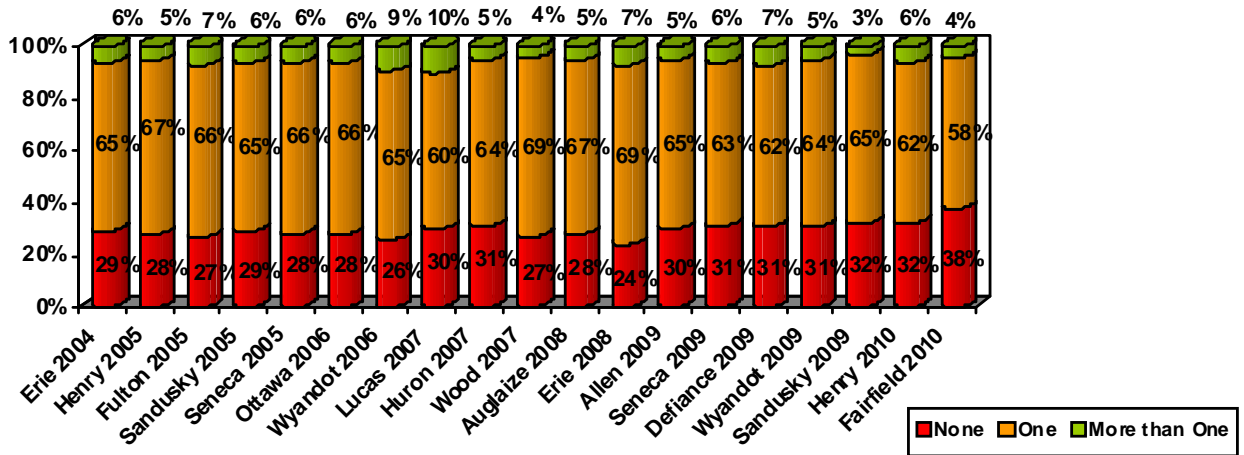


Data Summary

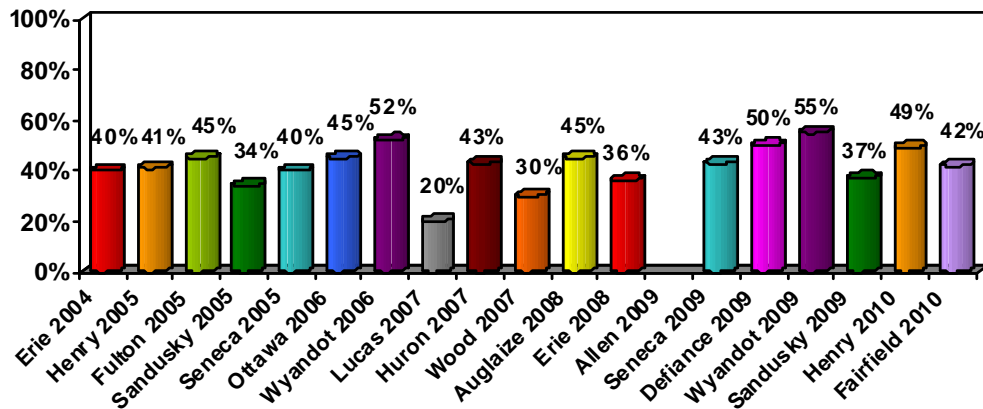
Adults Who Have Been to a Dentist Within the Past Year



Adult Sexual Partners

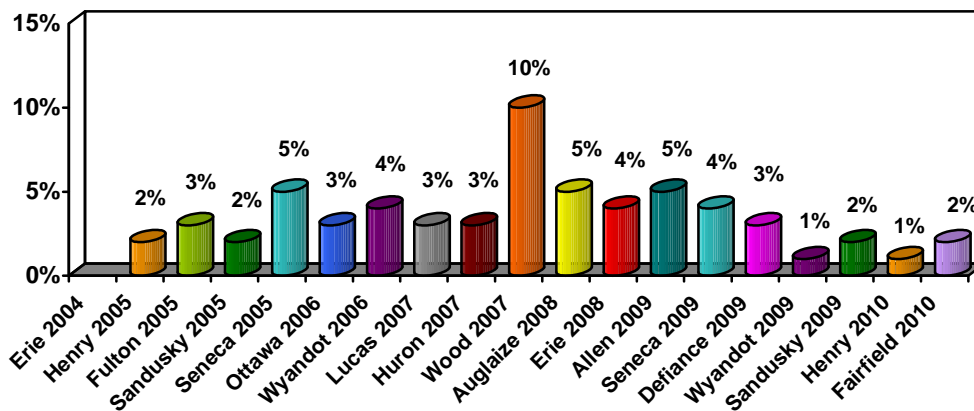


Adults Who Own A Firearm

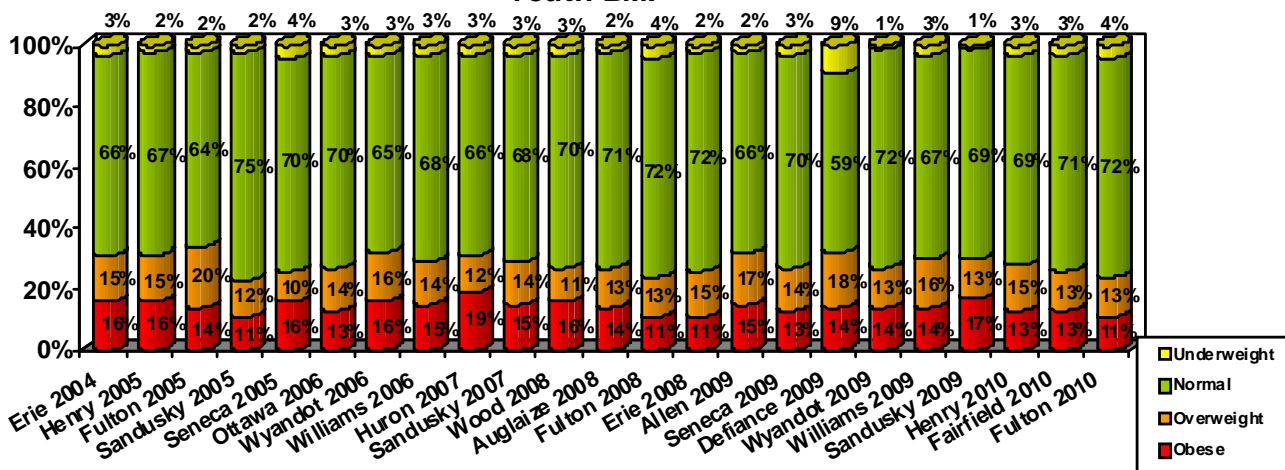


Data Summary

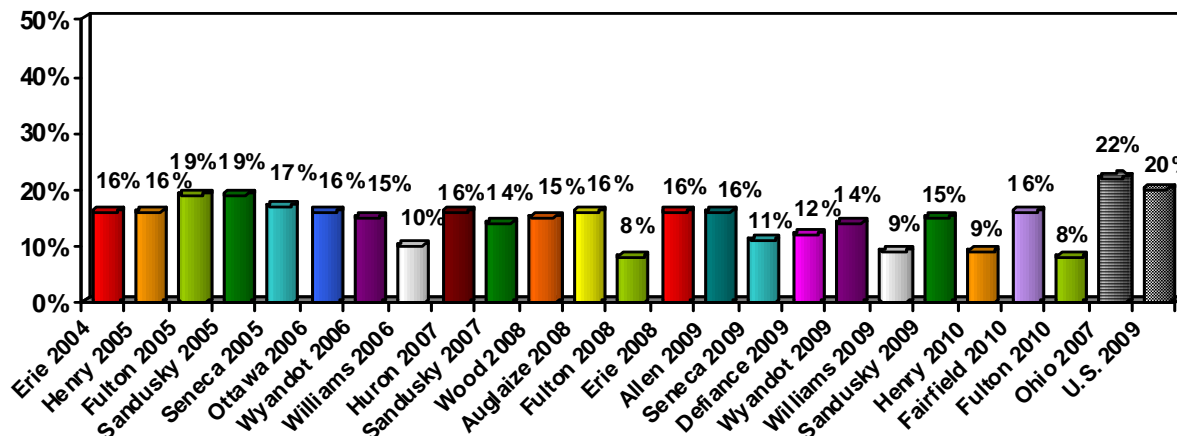
Adults Who Have Contemplated Suicide



Youth BMI

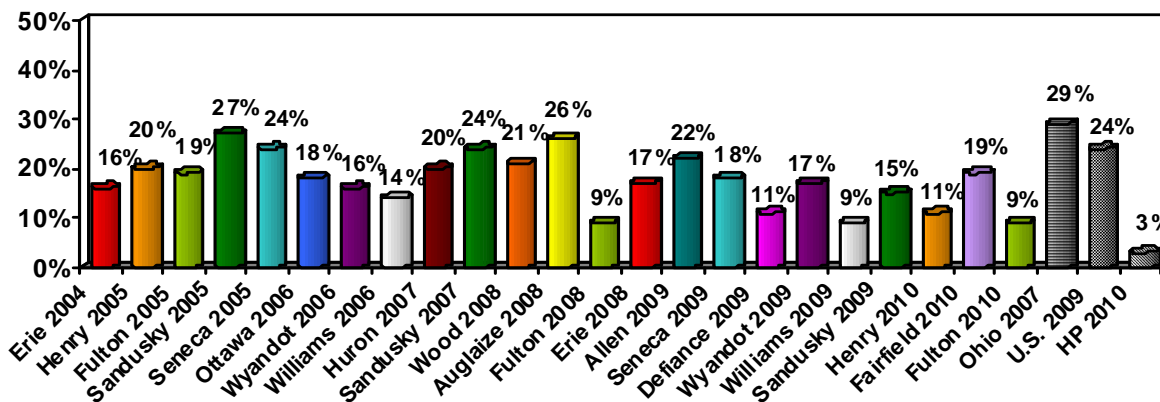


Youth Who Are Current Smokers

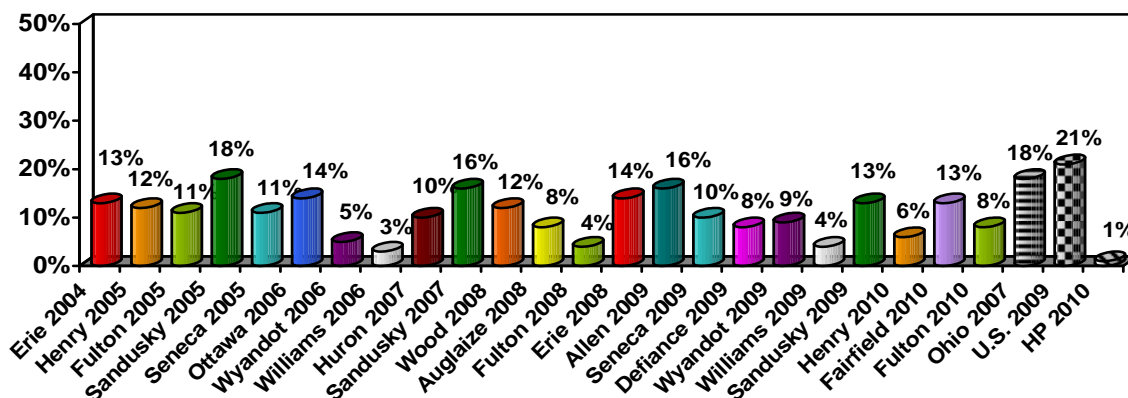


Data Summary

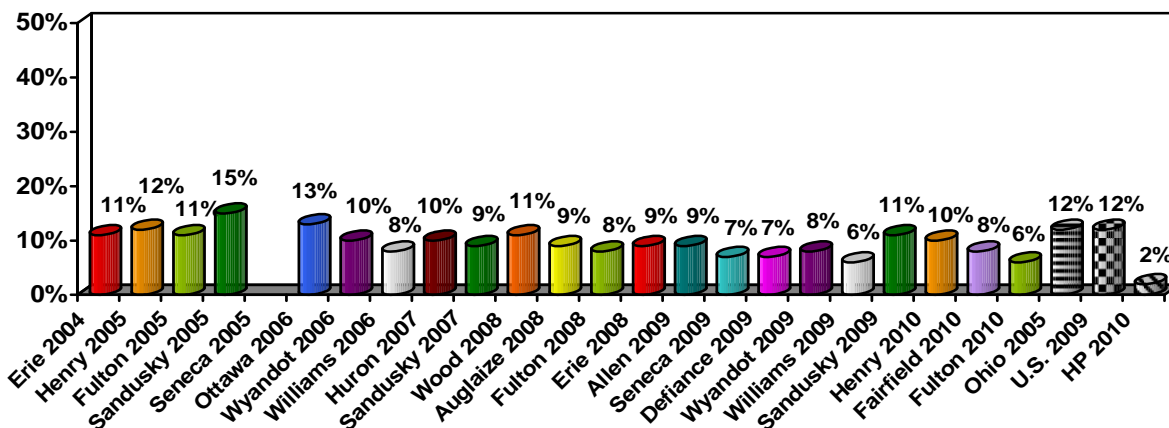
Youth Who Binge Drink



Youth 30 Day Marijuana Use

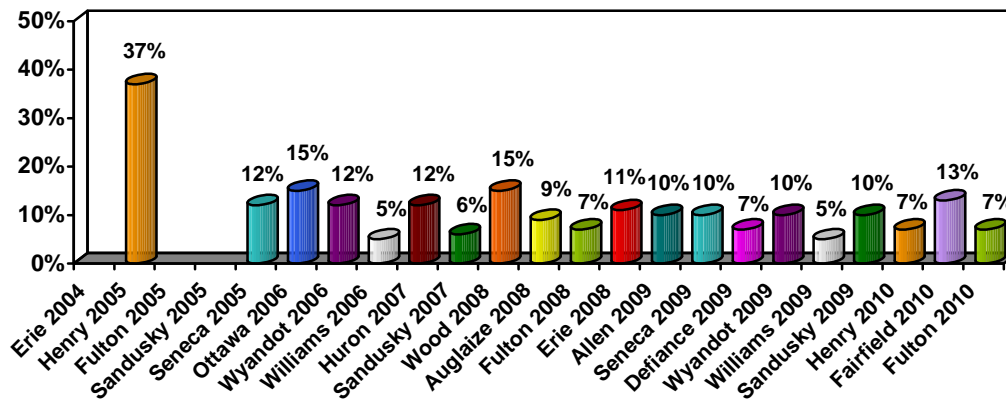


Lifetime Inhalant Use For Youth

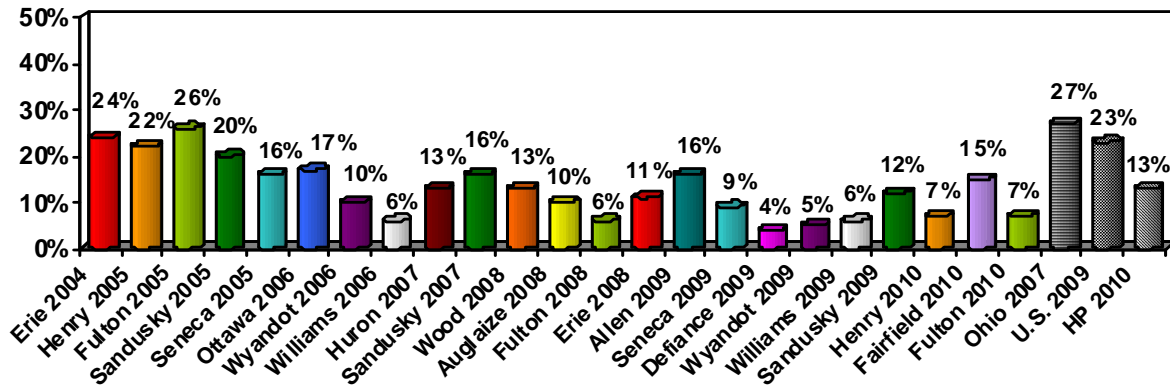


Data Summary

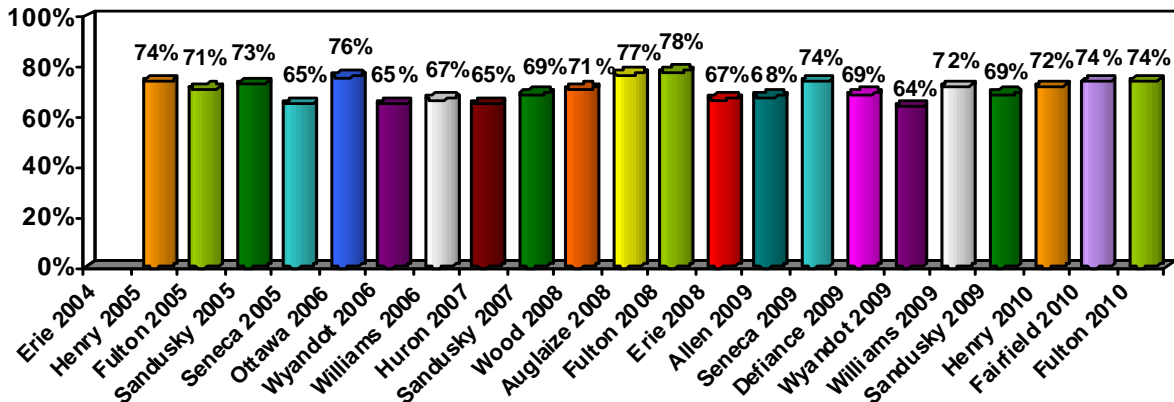
Lifetime Prescription Drug Misuse For Youth



Youth who have been Offered, Sold, or Given Drugs on School Property Within the past 12 Months

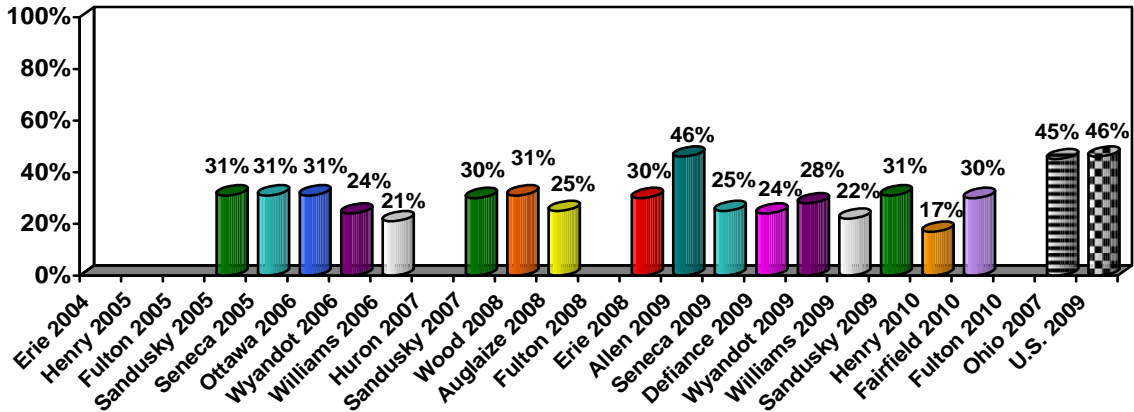


Youth Who Have Been to a Dentist Within the Past Year



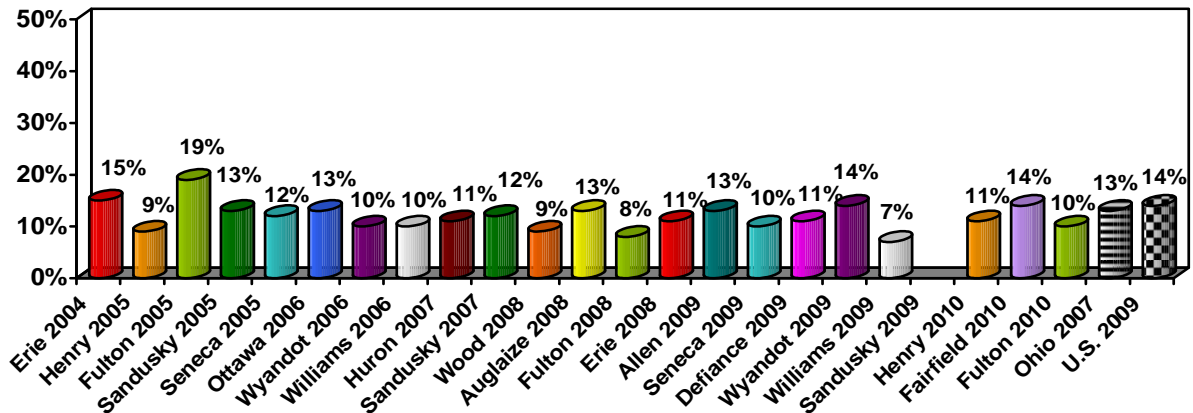
Data Summary

Youth Who Have Had Sex*

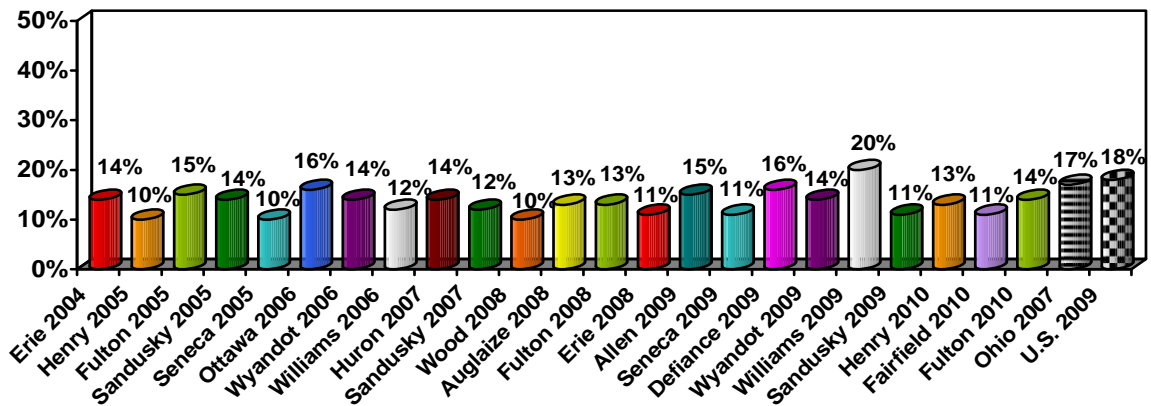


*Henry County 2005 and Huron County 2007 assessments did not ask this question of MS youth – the following results are for HS youth only: Henry 2005 = 38%; Huron 2007 = 50%. In 2006, one HS in Williams County did not ask sexual health questions and in 2010, two MS in Williams County did not ask sexual health questions. In 2009 one MS in Allen County did not ask sexual health questions. Fulton County did not ask sexual health questions in 2005 and 2008, and in 2010 did not ask this specific sexual health question.

Youth Who Have Seriously Contemplated Suicide



Youth Who Have Carried a Weapon Within the Past 30 Days



Methods for Weighting Data

Data from sample surveys have the potential for bias if there are different rates of response for different segments of the population. In other words, some subgroups of the population may be more represented in the completed surveys than they are in the population from which those surveys are sampled. If a sample has 25% of its respondents being male and 75% being female, then the sample is biased towards the views of females (if females respond differently than males). This same phenomenon holds true for any possible characteristic that may alter how an individual responds to survey items.

In some cases, the procedures of the survey methods may purposefully over-sample a segment of the population in order to gain an appropriate number of responses from that subgroup for appropriate data analysis when investigating them separately (this is often done for minority groups). Whether the over-sampling is done inadvertently or purposefully, the data needs to be weighted so that the proportioned characteristics of the sample accurately reflect the proportioned characteristics of the population. A weighting was applied prior to the analysis that weighted the survey respondents to reflect the actual distribution of each county based on age, sex, race, and income.

Weightings were created for each category within sex (male, female), race (White, Non-White), Age (7 different age categories), and income (7 different income categories). The numerical value of the weight for each category was calculated by taking the percent of the county within the specific category and dividing that by the percent of the sample within that same specific category.

Multiple sets of weightings were created and used in the statistical software package (SPSS 12.0) when calculating frequencies. For analyses done for the entire sample and analyses done based on subgroups other than age, race, sex, or income; the weightings were calculated based on the product of the four weighting variables (age, race, sex, income) for each individual. When analyses were done comparing groups within one of the four weighting variables (e.g., smoking status by race/ethnicity), that specific variable was not used in the weighting score that was applied in the software package. In the example smoking status by race, the weighting score that was applied during analysis included only age, sex, and income. Thus a total of eight weighting scores for each individual were created and applied depending on the analysis conducted.

The weight categories were as follows:

- 1) **Total weight** (product of 4 weights) – for all analyses that did not separate age, race, sex, or income.
- 2) **Weight without sex** (product of age, race, and income weights) – used when analyzing by sex.
- 3) **Weight without age** (product of sex, race, and income weights) – used when analyzing by age.
- 4) **Weight without race** (product of age, sex, and income weights) – used when analyzing by race.
- 5) **Weight without income** (product of age, race, and sex weights) – used when analyzing by income.
- 6) **Weight without sex or age** (product of race and income weights) – used when analyzing by sex and age.
- 7) **Weight without sex or race** (product of age and income weights) – used when analyzing by sex and race.
- 8) **Weight without sex or income** (product of age and race weights) – used when analyzing by sex and income