



State-of-the-County Health Report:
Davie County, NC
Davie County Health Department
December 6, 2013

Overview

It has been determined that the top 10 leading causes of death in Davie County are:

- Cancer
- Diseases of heart
- Chronic lower respiratory disease
- Cerebrovascular diseases
- Alzheimer Disease
- All other unintentional injuries
- Chronic liver disease and cirrhosis
- Motor vehicle injuries
- Suicide
- Parkinson's Disease

The Community Health Assessment Team determined that our top 3 priorities are; *Cancer, Crime and Obesity*. Cancer and obesity have been priorities in the past. Even since the 2007 community health assessment results came out, these two health topics are still occurring at high rates. Due to the county's high crime rate; crime was chosen as a priority.

This report describes the background and progress Davie County Health Department has made on these priorities. If you have questions or suggestions for addressing these priorities, please call Brandi Patti, BS, Health Educator, at 336-753-6750.

Priority Issues

Cancer, Heart Disease and Obesity

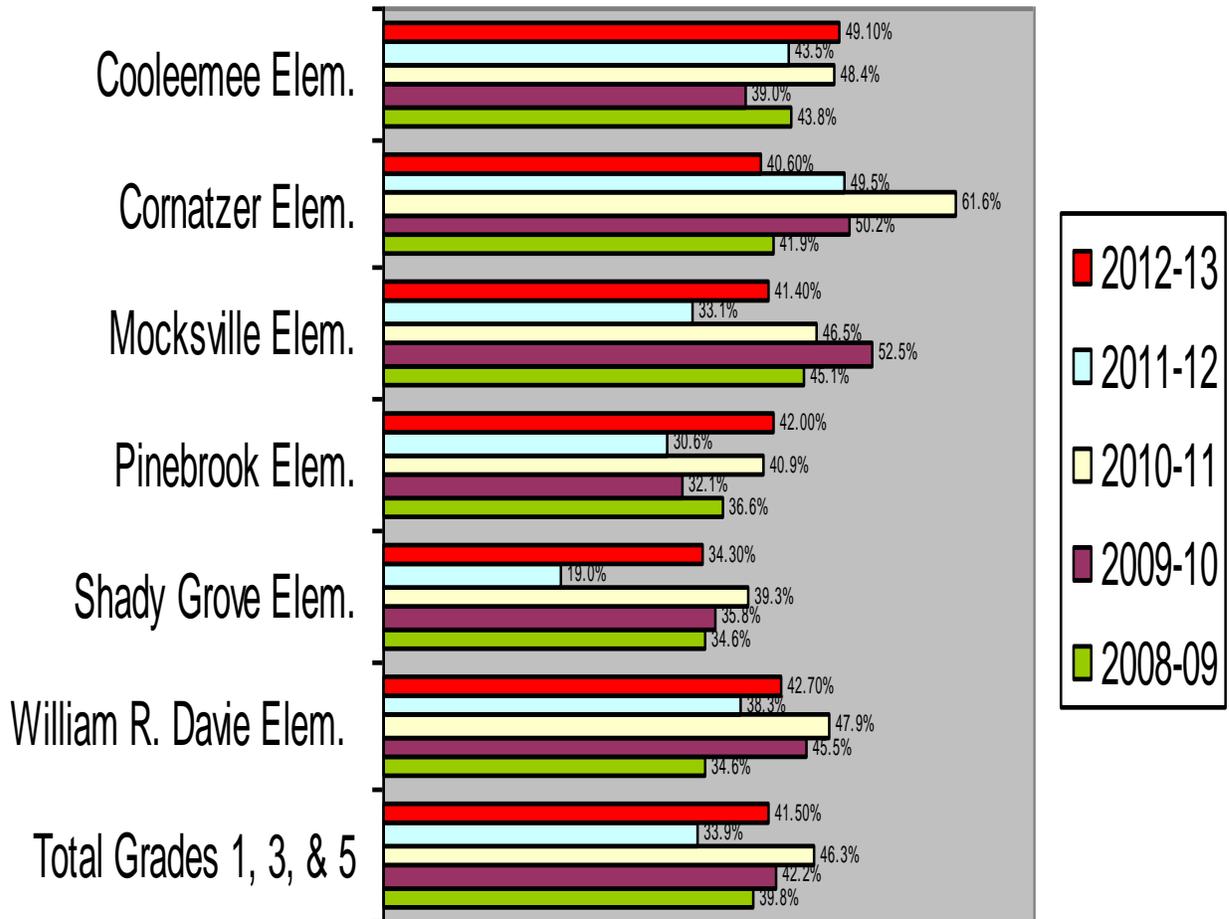
Cancer and heart disease are the top two causes of death across NC and in Davie County. The Healthy Carolinians-Physical Activity and Nutrition Sub-Committee have helped conduct an Eat Smart Move More Weigh Less class for men and women in the county and plan to continue this program at least twice a year. Many of our elementary schools here in the county have a running program called either Girls on The Run or Go Far. Both curriculums teach children how to set goals, reach goals and successfully and safely complete a 5K run or walk/run.

Healthy Carolinians of Davie County (HCDC) has been working to reduce the risk factors for these diseases starting at the youngest ages. According the Center for Disease Control, in the United States, 17% of children 2-19 years of age are obese. Obesity rates have tripled since 1980. As of 2010, all states now have at least a 20% obesity rate among residents. More than one-third of U.S. adults (35.7%) are obese. Obesity-related conditions include heart disease, stroke, type 2 diabetes and certain types of cancer, some of the leading causes of preventable death. One of the best methods to screen for obesity or being overweight is by calculating Body Mass Index.

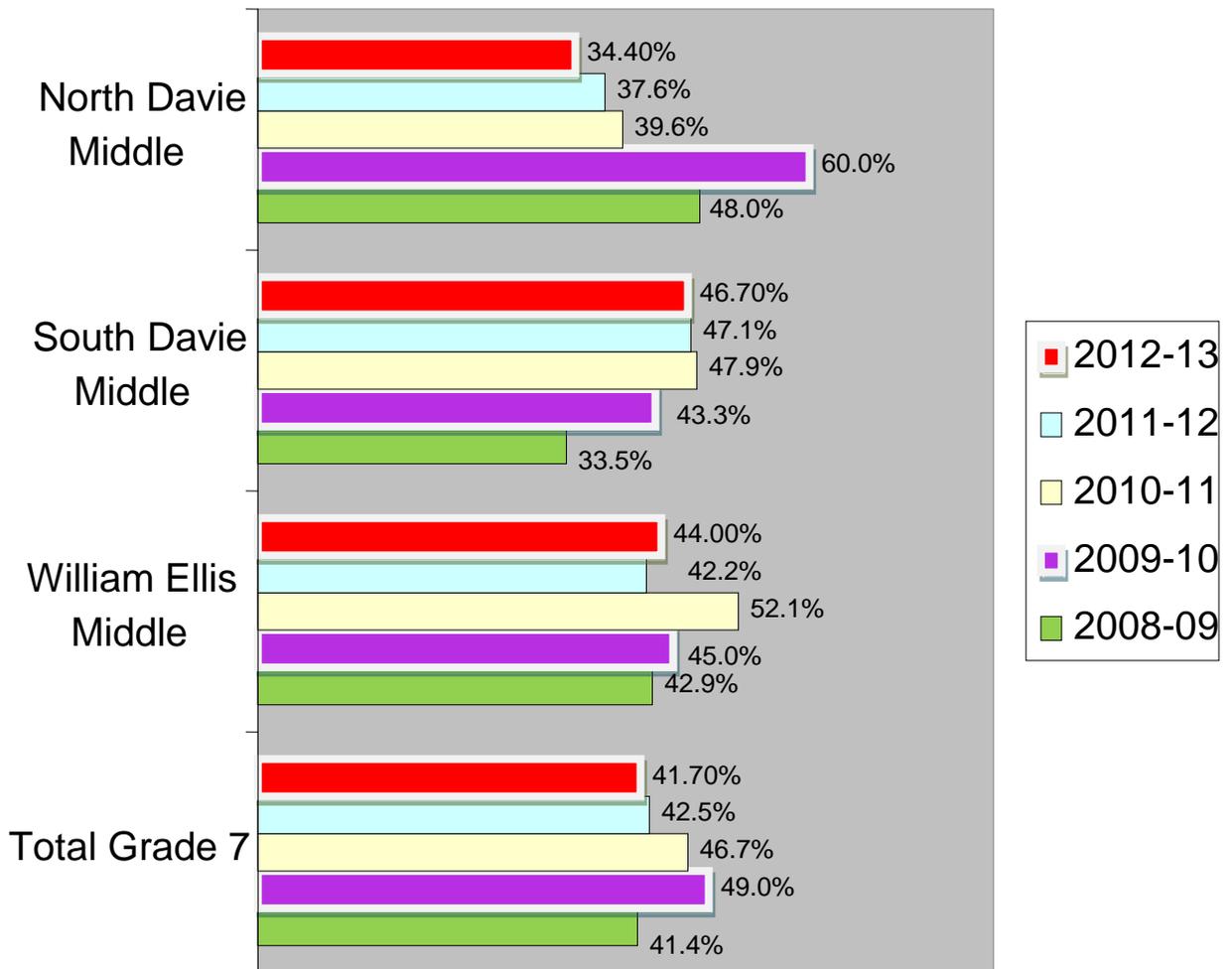
Body Mass Index (BMI) Project

[Davie County Schools/Forsyth Medical Center Sara Lee Center for Women's Health BMI Project Results 2008-2013](#)

BMI 85 or Greater Percentile - Elementary Schools



BMI 85 or Greater Percentile - Middle Schools



BMI rates unfortunately continue to rise and fall in Davie County Schools. Letters went home to parents of the children with BMI's in the 85 or great or 5 or less percentile. This study/program is still ongoing.

Crime

The school system created a program call CAN-WIN. This program is an interpersonal

skill building program for school aged kids. CAN-WIN is a program for students who were involved in some type of minor offense and can get credit for participating in the program. Credits can be earned through the program by volunteering for a community event, picking up trash or anything that has a positive impact on the community.

The Davie County Health Director and the health educator are involved in the local Juvenile Crime Prevention Council. This council is composed of judges, school social workers, school nurses, county commissioner, sheriff's department and many more local agencies. This council is kept up to date by reviewing each Youth Risk Behavior Survey, sheriff's department update on gangs and crime, and information provided by local juvenile court counselors. The purpose of this council focuses on giving children every opportunity to be successful in life by making them aware of criminal activity and helping them avoid crime, criminals and criminal situations. Offenses in Davie County have gone up and down. Hopefully with all of the county efforts being made, these number will decrease in years to come.

Davie County	Offense Category	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Murder	2	1		1	5	2		1	1	1
	Rape	2	5	12	5	2	7	5	14	8	8
	Robbery	9	14	7	10	7	12	11	8	6	11
	Agg. Assault	35	63	63	70	68	38	67	68	64	52
	Burglary	195	275	270	296	517	294	261	268	317	309
	Larceny	483	613	545	632	586	592	534	614	625	620
	MV Theft	33	73	55	52	54	46	51	57	35	32
Total		759	1,044	952	1,066	1,239	991	929	1,030	1,056	1,033

Source: <http://crimereporting.ncdoj.gov/Reports.aspx> December 2013

Emerging Issues

Access to Healthcare

On October 14, 2013 the new Wake Forest Baptist Health-Davie Medical Center opened at their new location.

This new location provides access to world-class physician specialists. Below is a list of current services available at this site.

- Anti-Coagulation Clinic
- Cardiac Rehabilitation
- Diagnostic Cardiology – EKG, surface echo, treadmill stress testing
- Diagnostic Neurology – EEG, EMG, Neurology Ultrasound
- Emergency Department (24/7)
- Facial Plastic and Reconstructive Surgery
- Heart Services / Cardiology Clinic
- Imaging Services – x-ray, fluoroscopy, ultrasound, mammography, CT, mobile MRI
- Lab Collection
- Neurology Clinic
- Ophthalmology Clinic
- Occupational Therapy
- Orthopedics Clinic
- Retail Pharmacy
- Physical Therapy - Outpatient
- Peri-operative Assessment Clinic
- Pulmonary Function Lab
- Podiatry Clinic
- Sleep Lab

Suicide

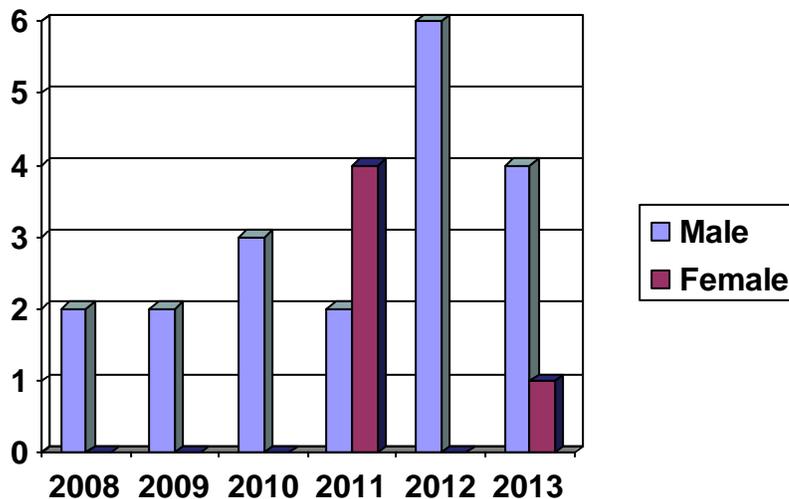
In the 2007 and 2011 Community Health Assessments (CHA), suicide was mentioned as an alarming new trend. Community leaders are concerned about suicide and decided to act on this issue.

The Suicide Prevention Team has met several times to discuss this urgent issue among our county residents. Last year an Applied Suicide Intervention Skills Training (ASIST) was offered to the school counselors, school nurses, sheriff's department, churches and community members. The ASIST workshop is for caregivers who want to feel more comfortable, confident and competent in helping to prevent the immediate risk of suicide. ASIST participants experienced a two-day, highly interactive, practical, practice-oriented workshop. Community members and agency representatives attending this training are charged with being resources and contacts for individuals - or family members of individuals - contemplating suicide or exhibiting suicidal behaviors. The overall goal is to reduce the number of suicides in Davie County.

On September 7, 2013 a workshop was developed and made available to community members. Julia Howard, NC State Representative spoke along with other individuals who deal with suicide professionally. The panel gave individual presentations to an audience of concerned community members.

Below are two charts that describe the suicide issue in Davie County.

Suicide by Gender 1/2008-8/2013



Suicide Type by Gender



Nutritional Therapy and Diabetes Self-Management Education

In 2009 the Davie County Health Department (DCHD) secured close to \$275,000 to begin a medical nutritional therapy and diabetes self management education program. This program has helped 144 people in Davie County with diabetes by providing education on how to regulate blood sugar levels, incorporate proper diet and physical activity, and the importance of maintaining regular check-ups to reduce damaging effects on the extremities and eyes. The goal was to provide an affordable and accessible diabetes education program for residents in Davie County. All patients receive individual and/or group education.

Morbidity and Mortality

According to the State Center for Health Statistics, Davie County had a total of 406 deaths for the year 2012. The majority of deaths were due to cancer, heart disease and diseases of the respiratory system. According to the State Center for Health Statistics, there were 410 births to mothers who live in Davie County.

New Initiatives

Community Transformation Grant

Through a Community Transformation grant from the Centers for Disease Control and Prevention, in partnership with the U.S. Department of Health and Human Services, Davie County received funding to address chronic diseases impacting morbidity and mortality in Davie County, the state and across the nation. Through Community Transformation, we will focus on addressing factors associated with most chronic diseases - tobacco-free living, active living, healthy eating, and quality clinical and other preventive services. Davie County is currently working with Destination by Design on a project called Health by Design. Health by Design is a 10-county regional plan being developed by collective health departments from across the NW part of the state. Health by Design has been chosen to develop the 10-county plan as part of the 5-year statewide Community Transformation Grant (CTG). The Davie County Health Department is directly spearheading the effort for Davie County.

Health by Design will identify built-environment projects (Priority Initiatives), such as trails, greenways, parks, sidewalks, downtown improvements, additional planning efforts, etc., which can improve public health by increasing active living opportunities.

The plan will provide focus for NW region health leaders working to determine how best to allocate future CTG funds (2 years of funding remain). Also, with these priorities identified, the NW region will be well-positioned should any additional grant funds become available from within the health sector.

Farmers Markets

Access to healthy food choices, like fresh fruits and vegetables is a priority for Davie County. Access to healthy food choices improves quality of life, decreases chronic diseases linked with obesity, and helps in increasing the life span. The health department is helping to support and advertise local markets as much as possible.

Buckle Up Davie Program

The Davie County Emergency Medical Services serves as our Permanent checking station for child passenger safety seats. This service is available to the entire community. The first and most important goal of the program is to have every child who arrives at the station leave safer than when he or she came. The program ensures that the child has an appropriate seat for their age, weight, size and the vehicle they will be riding in, educate the parents/guardians who will be transporting the child, demonstrate the proper way to secure the child and check for any recalls or defect issues. This program sees approximately 15 children per month.