



2018 Davie County State of the County Health Report

Overview

It has been determined that the top leading causes of death (2013-2017) in Davie County are:

			# OF DEATHS	DEATH RATE
AGE GROUP:	RANK	CAUSE OF DEATH:		
TOTAL - ALL AGES	0	TOTAL DEATHS --- ALL CAUSES	2,333	1117.2
	1	Cancer - All Sites	535	256.2
	2	Diseases of the heart	441	211.2
	3	Chronic lower respiratory diseases	155	74.2
	4	Cerebrovascular disease	136	65.1
	5	Alzheimer's disease	111	53.2
	6	Other Unintentional injuries	104	49.8
	7	Pneumonia & influenza	74	35.4
	8	Septicemia	52	24.9
			Diabetes mellitus	52
	10	Suicide	43	20.6

Source: State Center for Health Statistics; 2013-2017 adjusted death rates by county

The 2017 Community Health Assessment Team determined the top 3 priorities areas for Davie County are; *Cancer, heart disease, and drugs*. Cancer and obesity have been priority focus areas for the past 9 years; rates for both remain high and continue to plague Davie residents.

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, Health Educator, at 336-753-6750.

Priority Issues

Cancer, Heart Disease and Drugs

The Davie County Health Department and other agencies started a coalition in 2014 called "Healthy Davie." This group is composed of local non-profits, hospitals, faith community, school system, and county employees. This group came together in 2014 to identify Davie's greatest challenges and opportunities. The group determined that poverty, education, and health were the county's biggest challenges as a whole. The coalition then created sub-committees for each of those topic areas. The "health" sub-committee's strategies were discussed to improve the overall health of Davie County families and focus was placed on obesity. The group's main goal is to create a healthier community "Where All Live Well"! The Healthy Davie Health Group announced a community-wide challenge that required participation from residents throughout Davie County. The kickoff for the challenge was held on 1/21/2017. The challenge was created around the question; "What is your Healthy Davie"? The challenge is to get 1 billion steps (walking, running, etc.) recorded from the kickoff until April of 2017! The purpose of the challenge was to raise awareness of the poor health of our community at large; provide information about healthy habits; and encourage the entire community to participate in an effort to improve the overall health of Davie County residents. Since then, Healthy Davie has organized a county-wide jumping jack challenge and is working with the school system to insert energizers throughout the school day. An energizer calendar is being made for the teachers at the 6 elementary schools.

Body Mass Index (BMI) Project

By now, we all know that obesity-related conditions include heart disease, stroke, type 2 diabetes and certain types of cancer. One of the best methods to screen for obesity or being overweight is by calculating Body Mass Index.

In 2008, the Davie County School System started a Body Mass Index (BMI) Project testing BMI's for all 1st, 3rd, 5th, and 7th graders. BMI results have gone up and down over the years. The most recent report says that 38 % of 1st, 3rd, and 5th graders are overweight or obese and 43% of 7th graders are overweight or obese. Davie County has a School Health Advisory Council (SHAC) that meets on a regular basis to discuss child health with a huge focus on physical activity and nutrition.

Steps to Health is a program that serves 3rd graders across North Carolina. The program consists of 9 sessions designed to educate and inspire young children to eat smart. Hands-on activities, games, and physical activity are incorporated into each lesson. Each 30 minute lesson includes a taste test of either a snack the student can make after-school on their own. All participants are awarded a certificate of participation at the completion of the program. Recipes and nutrition and physical activity handouts are sent home to the parents.

Many elementary schools within the county have a running program called Go Far. Curricula focus on teaching children how to set goals, reach goals and successfully and safely complete a 5K run or walk/run.

Overweight or Obese 85% or Greater %ile	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Total Grades 1, 3, & 5	33.90%	41.50%	37.80%	38.00%	38.00%	37.50%	36.50%	38%
William R. Davie Elem.	38.30%	42.70%	36.70%	32.00%	34.00%	41%	37%	42%
Shady Grove Elem.	19.00%	34.30%	29.80%	27.00%	28.00%	27%	26%	29%
Pinebrook Elem.	30.60%	42.00%	32.60%	42.00%	41.00%	36%	36%	36%
Mocksville Elem.	33.10%	41.40%	42.80%	43.00%	42.00%	40%	37%	41%
Cornatzer Elem.	49.50%	40.60%	40.60%	37.00%	34.00%	42%	42%	38%
Cooleemee Elem.	43.50%	49.10%	44.00%	45.00%	49.00%	39%	41%	42%
Overweight or Obese 85% or Greater %ile	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Total Grade 7	42.50%	41.70%	46.20%	44.00%	40.00%	39.70%	41.60%	43%
William Ellis Middle	42.20%	44.00%	44.60%	41.00%	36.00%	33%	35%	37%
South Davie Middle	47.10%	46.70%	57.00%	51.00%	43.00%	47%	47%	48%
North Davie Middle	37.60%	34.40%	43.30%	41.00%	39.00%	39%	43%	45%

Active Routes to School (ARTS)

The main objective of ARTS is to increase the number of elementary and middle school students who safely walk at/and/or bike to or at school. Ellis Middle and North Davie Middle Schools have implemented a program before school where students and teachers can walk before class starts. This program helps to get kids moving instead of sitting around waiting for the bell to ring. William R. Davie Elementary is going all out in February 2019 for Heart Health Month. The kids are walking and doing extra physical activities for healthy hearts. Active Routes to School provided a water bottle for all students and staff in the school!

Access to Healthcare

On October 14, 2013 the new Wake Forest Baptist Health-Davie Medical Center opened at their new location. Wake Forest Baptist Health Davie Medical Center provides access to world-class physician specialists at its Advance location, 313 NC Hwy 801 North.



Available services:

<ul style="list-style-type: none">• Lab Collection• Neurology• Occupational Therapy• Outpatient Surgery• Orthopedic Services• Pharmacy - Outpatient• Pharmacy Care Clinic• Physical Therapy Outpatient• Pre-operative Assessment• Podiatry	<ul style="list-style-type: none">• Cardiac Rehabilitation• Corporate Health Services• Diagnostic Cardiology• Diagnostic Neurology• Emergency Department• Eye Center (Ophthalmology)• Heart Services / Cardiology• Gastroenterology• Imaging Services
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Overdose/Drugs

Project Lazarus of Davie County is in full swing! We have installed 3 medication drop boxes and have disposed of hundreds of pounds of medication! We have a great working relationship with our local Sheriff’s Office, EMS, and pharmacies. Our main goal is to get unused medications out of homes and out of the wrong hands. Drugs Uncovered: What Parents Need to Know is coming to Davie County High School in April of 2019 to educate parents on current and upcoming drug trends. This exhibit is provided by the Poe Center for Health Education.

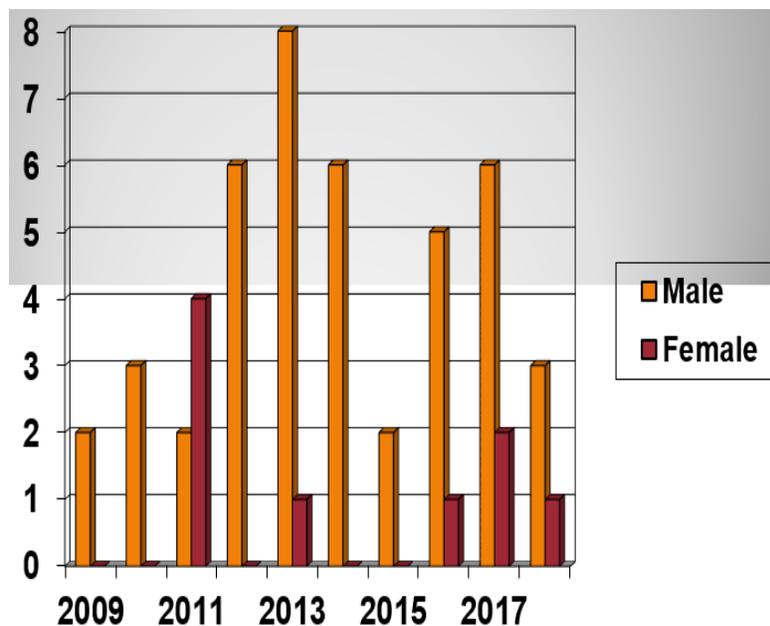
D.A.R.E. was removed from Davie County schools and a new program has been implemented to teach students about drugs and drug trends. Each elementary school now has access to a school resource officer. Officers rotate days between the 6 elementary schools. Each of the three middle schools and the high school has a full-time school resource officer. The Davie County School system and Sheriff’s Office has implemented a program called Empower D.C. Empower D.C. is an evidence-based program for students to learn about 4 topics. The topics include vaping, alcohol, marijuana/wax, and prescription drugs. Information is also sent home to parents to help reinforce the message about drugs.

Emerging Issues

Suicide

In previous Community Health Assessments (CHA), suicide was mentioned as an alarming new trend. Unfortunately, this trend has continued. According to the 2019 Child Health North Carolina report card, suicide is now the 2nd leading cause of death for youth ages 10-17. Community leaders are concerned about suicide and decided to act on this issue by trying to raise awareness on this topic.

A group of individuals that is a combination of school staff, faith-based leaders, county employees, etc. have been meeting regarding Suicide. This group is aware of this urgent issue among county residents. Below is an example of completed suicides differentiated by gender. According to the State Center for Health Statistics, Davie County has routinely had a higher suicide rate than the state. The health department implemented education and awareness campaigns focused on suicide prevention. Davie County's completed suicides increased during year 2017 but decreased in year 2018. Although we saw a decrease in suicide, we saw an increase in suicide attempts. Suicide attempts were documented by North Carolina Disease Event Tracking and Epidemiologic Collection Tool (NC Detect). Most suicide attempts were made by young girls. North Davie Middle School is implementing a new program called "Sources of Strength" for students. This program will be funded and piloted by grant funds. All schools in the county have voiced a concern regarding the number of students who have stated that they have considered suicide.



Morbidity and Mortality

According to the State Center for Health Statistics, Davie County had a total of 468 deaths for the year 2017. The majority of deaths were due to cancer, heart disease and diseases of the respiratory system. According to the State Center for Health Statistics website, there were 369 births to mothers who live in Davie County in 2017. Both of these numbers have decreased from year 2016.

Current Programs

Juvenile Crime Prevention Council

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.

Breastfeeding Peer Counselor Program

Women, Infants, and Children's (WIC) Breastfeeding Peer Counselor Program, after hiring and training of new staff, was reinstated in 2013 and currently serves a caseload breastfeeding dyads.

Dental

Our regional Public Health Dental Hygienist-Division of Public Health – Oral Health Section has provided the health department with hundreds of toothbrushes. These toothbrushes, along with education were given to health department patients, and was able to give children toothbrushes in years 2018-2019.

Davie County Schools have been fortunate to get to participate in a school dental sealant project. The project will target children in elementary school. This project is free of charge to any student that has their parents' permission to participate. During the process; children will get an exam, cleaning, fillings, and/or sealant. This service is provided by the Dental Van.

School Health Advisory Council

The Davie County School Health Advisory Council (SHAC) meets quarterly to share information and to increase awareness of Davie County programs and policies that address the health and wellbeing of students, staff, and families. Its members include school administrators, county employees, as well as parents and other community representatives. In the past the focus of SHAC has been centered around obesity but now has changed to mental health.

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 they arrived. The program ensures that the child has an appropriate seat for their age, height, and weight. The child passenger safety technicians help the parents properly install the seat and educate the individual who will be transporting the child. We demonstrate the proper way to secure the child and check for any recalls or defect issues. This program sees approximately 15-20 children per month and is funded by United Way of Davie County.

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 hundreds of 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. A registered dietician goes to a local medical ministry facility twice a week to teach these classes/sessions to patients. Patients are referred by local physicians.

New Initiatives

Jail Counseling Program

The county received grant funds to hire a counselor to provide counseling for inmates who have substance abuse issues. While in detention, the counselor speaks with clients to assess their needs, strengths, and weaknesses. Using that assessment, she identifies targeted resources that would be of most benefit to the individual upon reentry, when they leave the detention center. Those resources have included (so far) counseling services, rehab/treatment programs, housing, and the community college. The grant hopes to support individuals with transportation and education costs in the future.

"Progress Made Since Last Year"

Many of our priorities and programs overlap as emerging issues and new initiatives. Our current programs and New Initiatives are examples of the "progress we have made since last year." These programs are constantly changing and evolving as the needs are made aware throughout the year.

The 2018 State of the County Health Report will be made available on the county website, presented to the Health and Human Services board and distributed at local agency meetings.