



# 2010 Mecklenburg County Health Department Community Report



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## A Message from the Health Director

The Mecklenburg County Health Department (MCHD) has gone through an “extraordinary” year by adjusting to the challenge of budget reductions while surging to respond to the Pandemic H1N1 Influenza outbreak in our community. Even more “extraordinary” was the Health Department’s ability to meet the community’s increasing demand for public health services, while continuing to shift key personnel to execute the Pandemic Influenza response plan during the summer and fall of 2009.

One of the major impacts of the Fiscal Year 2010 budget reduction in the Health Department was in the School Health Program. A total of 14 school nurse positions were eliminated which reduced the number of schools with a full time school nurse from 76 of 172 CMS schools to 50 of 178 schools. Also eliminated were Community Health programs such as the Fit City Challenge.

During the fall of 2009, the Pandemic Influenza Response Plan strategy and tactics shifted to aggressive mass immunization of the local population as the new H1N1 vaccine became available. The Health Department conducted daily H1N1 immunization clinics by appointment and became a State “best practice” in its efficiency and customer satisfaction. A total of 66,855 immunizations were provided through health department and school based clinics.

During Fiscal Year 2010, our monthly unduplicated patient counts rose to an average of 16,200 clients per month. Customer satisfaction remained high with 96.76% of patients reporting being happy with the overall quality of the service.

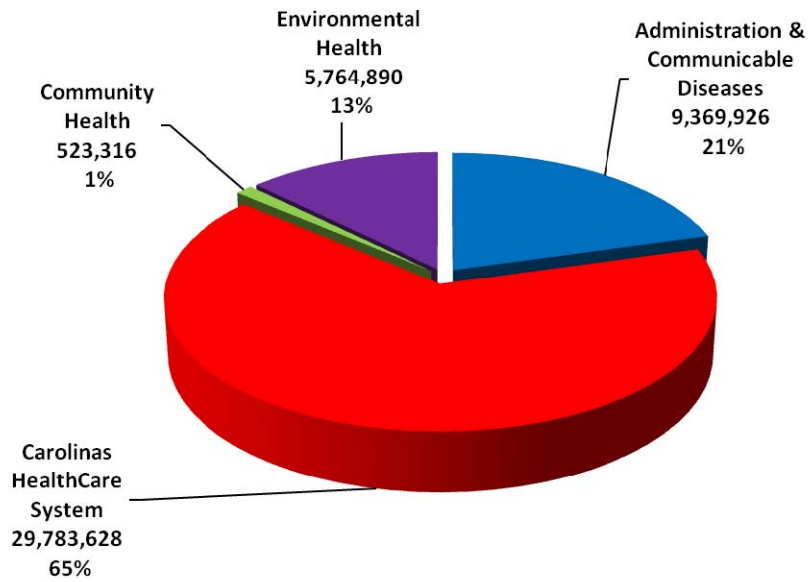
We are presenting this report to the community to tell you more about what we have accomplished this year as well as describe how we will continue to promote and protect the public health in the year to come.

Sincerely,  
Dr. Wynn Mabry, Health Director

## Mecklenburg County Health Department

### FY 2010 Adopted Budget

Total Expenditures: \$45,441,760

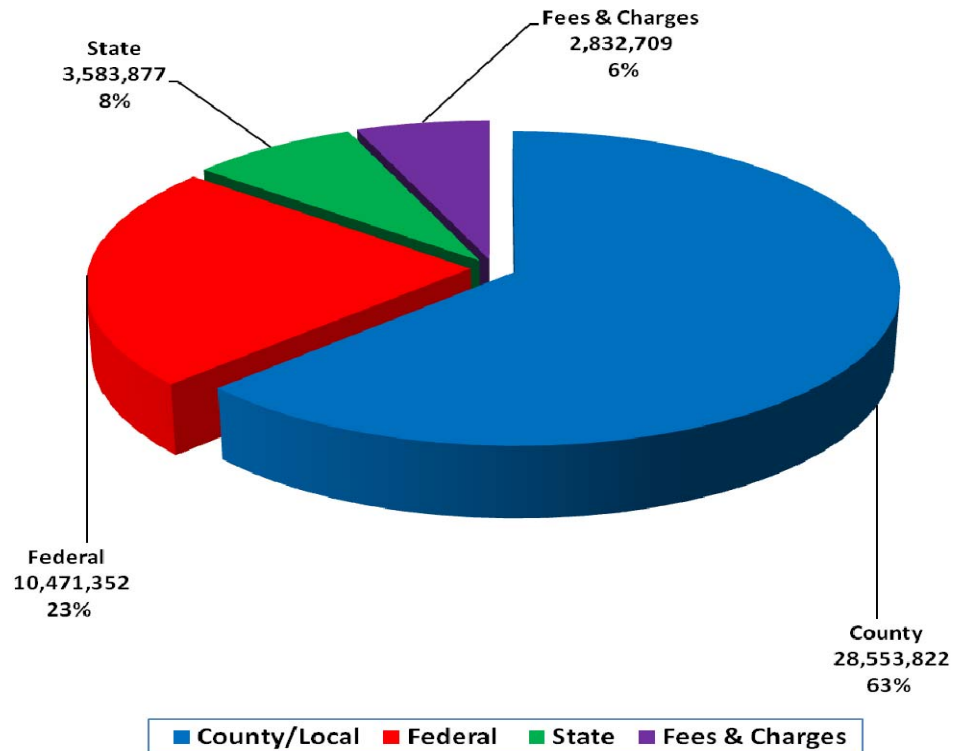


- Administration & Communicable Diseases
- Carolinas HealthCare System

## Mecklenburg County Health Department

### FY 2010 Adopted Budget

Total Revenues: \$45,441,760



- County/Local
- Federal
- State
- Fees & Charges





## Department Highlights

- The Local HIV Disease Burden continued to rise in 2009 with 6,510 residents living with HIV disease of which 2,696 had AIDS conditions and 400 new cases.
- *Implementation of NC House Bill 2 – Smoke Free Air Law was successfully implemented.* Health Promotion was instrumental in instituting the ban on smoking in restaurants in 2010 with very few complaints to the Environmental Health Division.
- Pediatric Obesity Prevention continued to be a focus with a new plan unveiled with funding from the Kate B. Reynolds Foundation.
- Awarded the *Gold Level* Fit community Award by NC Health and Wellness Trust Fund Commission.
- At the Annual NC Division of Public Health Communicable Disease Conference, the Health Department was awarded “Best Practice” in Public Health Marketing.
- Awarded a National Association of Counties (NACo) award for Healthy Futures Starting in the Kitchen program, designed to prevent childhood obesity.
- Awarded the 2010 GlaxoSmithKline Local Health Department Award for outstanding response to the 2009-2010 H1N1 Outbreak response. This is a prestigious statewide award given to one local health department in North Carolina each year.
- Investigated over 900 reports of communicable disease and 600 cases of HIV disease and syphilis in 2010.
- According to the Ryan White Program, grantees are required to spend at least 75% of their Part A grant funds on core medical services and no more than 25% on support services. For the FY 2009-2010 the Charlotte TGA has spent 90% of the funds on core medical services and 10% on support services. As a result the Charlotte TGA increased access to critical medical services.
- Planned and participated in (4) Big Shot Events in partnership with the Junior League of Charlotte immunizing 499 children and administering 929 shots in preparation for children going back to school.
- Assisted Immunization State consultant in (2) roll outs for private practices getting on the NC Immunization Registry (NCIR) in 2009 Mecklenburg County was at 71% in 2010 85%
- The Mecklenburg County WIC program exceeded the targeted number of women to be served with the assigned caseload of 22,802 and the program exceeded that by 4%.
- Two staff pediatric dentists selected by Charlotte Magazine as among the area’s Top Dentists in 2010.
- The HIV/STD Outreach Team resumed HIV testing in the Mecklenburg County Jail in August of 2010. The Board of County Commissioners approved allocation of \$93,000 to MCHD to offer treatment services to newly diagnosed HIV inmates in jail.

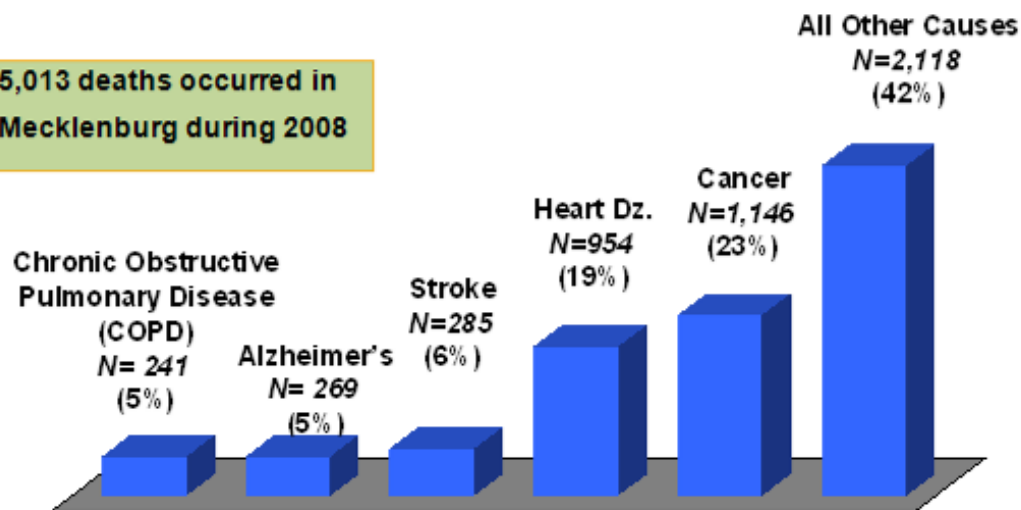
# Community Health Indicators for Mecklenburg County

Americans live 30 years longer today than just a century ago. While we are living longer, those extra years are not always spent in good physical and mental health. Chronic diseases like cancer, stroke, heart disease and diabetes cause major disabilities and account for more than half of all deaths in Mecklenburg County.

Researchers estimate that nearly half of all deaths are caused by avoidable behaviors and exposures, such as smoking, poor diet, lack of physical activity and excessive alcohol consumption. The positive news is that choosing healthy behaviors may

## 2008 LEADING CAUSES OF DEATH FOR MECKLENBURG COUNTY RESIDENTS

5,013 deaths occurred in Mecklenburg during 2008



2008 Leading Causes of Death By GENDER Mecklenburg Residents	
MALES	FEMALES
1) Cancer	1) Cancer
2) Heart Disease	2) Heart Disease
3) Unintentional Injury	3) Alzheimer's
4) Stroke	4) Stroke
5) COPD	5) COPD
6) Alzheimer's	6) Unintentional Injury
7) Diabetes	7) Diabetes
8) Homicide	8) Septicemia
9) Kidney Disease	9) Kidney Disease
10) Suicide	10) Hypertension

2008 Leading Causes of Death By RACE Mecklenburg Residents	
WHITES	MINORITIES
1) Cancer	1) Cancer
2) Heart Disease	2) Heart Disease
3) Alzheimer's	3) Stroke
4) Stroke	4) Unintentional Injury
5) COPD	5) Diabetes
6) Unintentional Injury	6) Kidney Disease
7) Septicemia	7) Homicide
8) Diabetes	8) Alzheimer's
9) Influenza and Pneumonia	9) COPD
10) Kidney Disease	10) HIV

## Community Health Indicators: United States\*, North Carolina and Mecklenburg

HEALTH INDICATOR		Mecklenburg 2008 data	North Carolina 2008 data	United States* 2007/2008 data
Maternal and Child Health	<b>Infant Mortality (&lt;1yr.)</b> (Rate per 1,000 Live Births)	<b>6.6</b>	8.2	<b>6.8</b>
	<b>Teen Birth Rate (15 -19 yrs.)</b> (per 1,000 females 15-19) Live Births	<b>42.6</b>	45.7	<b>42.5</b>
Leading Causes of Death	<b>All Cancers</b> (Rates per 100,000 population)	<b>130.7</b>	188.6	<b>186.6</b>
	<b>Heart Disease</b> (Rate per 100,000 population)	<b>108.8</b>	188.8	<b>204.3</b>
	<b>Stroke</b> (Rate per 100,000 population)	<b>32.5</b>	48.5	<b>45.1</b>
	<b>Diabetes</b> (Rate per 100,000 population)	<b>15.4</b>	23.5	<b>23.7</b>
	<b>Alzheimer's</b> (Rate per 100,000 population)	<b>30.7</b>	28.4	<b>24.7</b>
	<b>Chronic Lower Respiratory Disease</b> (Rate per 100,000 population)	<b>27.5</b>	49.1	<b>42.4</b>
Injury (Deaths due to)	<b>Motor Vehicle Injuries</b> (Rate per 100,000 population)	<b>9.2</b>	16.7	<b>14.6</b>
	<b>Intentional Injury - Homicide</b> (Rate per 100,000 population)	<b>9.6</b>	7.2	<b>6.1</b>
	<b>Intentional Injury - Suicide</b> (Rate per 100,000 population)	<b>8.1</b>	12.6	<b>11.5</b>
Communicable Disease	<b>Primary/Secondary Syphilis</b> (Rate per 100,000 population)	<b>5.5</b>	3.2	<b>4.4</b>
	<b>AIDS</b> (Rate per 100,000 population)	<b>16.6</b>	10.1	<b>12.3</b>
	<b>Tuberculosis</b> (Rate per 100,000 population)	<b>5</b>	3.6	<b>4.2</b>
Behavioral/ Environmental Risks for Premature Death	<b>Smoking</b> (% of Adults 18 years and over)	<b>13%</b>	21%	<b>18%</b>
	<b>Overweight/Obesity (BMI&gt;25.0)</b> (% of Adults 18 years and over)	<b>61%</b>	66%	<b>63%</b>
	<b>No Physical Activity</b> (% of Adults 18 years and over)	<b>19%</b>	25%	<b>25%</b>
	<b>Fruit &amp; Veg (5 or more servings/day)</b> (% of Adults 18 years and over)	<b>23%</b>	22%	<b>24%</b>
	<b>Total Days Ozone Level Exceeded Federal Compliance Levels</b>	<b>19</b>	DNA	<b>DNA</b>

\*United States health indicator data for Communicable Disease and Behavioral/Environmental Risks are for report year 2008. All other US data is for report year 2007.

DNA: Data is not available for comparison.

### Sources:

Centers for Disease Control: National Center for Vital Statistics, HIV/AIDS and STD Surveillance Reports, Tuberculosis Surveillance Reports, Behavior Risk Factor Surveillance Reports  
North Carolina DHHS: NC Center for Health Statistics, NC HIV/STD Prevention and Care Branch, NC Behavior Risk Factor Surveillance Reports

Prepared by: Mecklenburg County Health Department, Epidemiology Program

01/2011



## Department Programs & Services

**Administration:** This program includes the office of the health director and medical director, financial services, minority outreach, operations administration and support functions.

**Business Services:** This program provides registration services for clients, billing and payment services, and the epidemiology program.

**Clinical Services:** This program includes the immunization program, foreign travel clinic, the tuberculosis control program, refugee health, family planning, STD clinic, women's health clinic, WIC, pediatric dental clinic, and nursing coordination. A support function of this service is the Public Health Laboratory under the supervision of Carolinas HealthCare System and provides testing services for the clinical areas.

**Communicable Disease Control:** This program helps to prevent and control the spread of reportable communicable diseases such as pertussis (whooping cough), rabies, salmonellosis, HIV, syphilis and others. This includes County Preparedness, the Ryan White Part A HIV program, PHRST 7 Preparedness Team, & City Readiness grant.

**Community Services:** This program includes the Community Alternative Program (CAP), HIV/STD services for testing, case management and awareness, health promotion, and maternal child health.

**Environmental Health:** This program provides services that help protect the health and safety of Mecklenburg County residents and visitors every day through plan review, permitting, inspections, education, and enforcement programs for wells, restaurants pools, and institutional facilities.

**School Health:** This program provides direct and consultative services to all Charlotte-Mecklenburg Schools (CMS). Public Health nurses, nutritionists, educators and social workers are part of the Coordinated School Health Program in the schools, bringing together health services with health education, school meals and nutrition, physical education, environment, counseling, staff wellness, and parent/community partnerships.

**Vital Records:** Vital Records officially registers all birth and death certificates in the county. The office also makes state authorized corrections to birth and death certificates and delete records pertaining to adoptions as instructed by the state.





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