

Craven County Health Department



ANNUAL REPORT
2008 - 2009

Directors Message.....

The Craven County Board of Health and the staff of the Craven County Health Department are pleased to provide you with our annual report for fiscal year 2008-2009. This report was created to inform Craven County residents and officials of the diverse programs and services offered by your local health department.

These are challenging times. The demands for our services are going up as funding goes away. I am thankful for the talented staff that we have, they continue to develop ways to provide more and more services in a depressed economy. Our goal is simple, put the customer first and be the best health department in the state.

As you read this report, I'm certain you will agree that this has been a very productive year for the Craven County Health Department and its future promises to be bright with numerous possibilities to serve our community.

Scott Harrelson, MPA
Craven County Health Director

Board of Health Members

Chairman

Dr. Robert Whitley, Dentist

Vice Chairman

Dr. Mark E. Leary, Optometrist

Members

Lee K. Allen, Commissioner

Paul Gaskins, Public Citizen

James Jackson, Public Citizen

Roseann Leahy, Nurse

Verdelle Newby, Public Citizen

Dr. Larry Paul, Veterinarian

Trey Paul, Pharmacist

David Stevick, Engineer

Dr. Reed Underhill, Physician

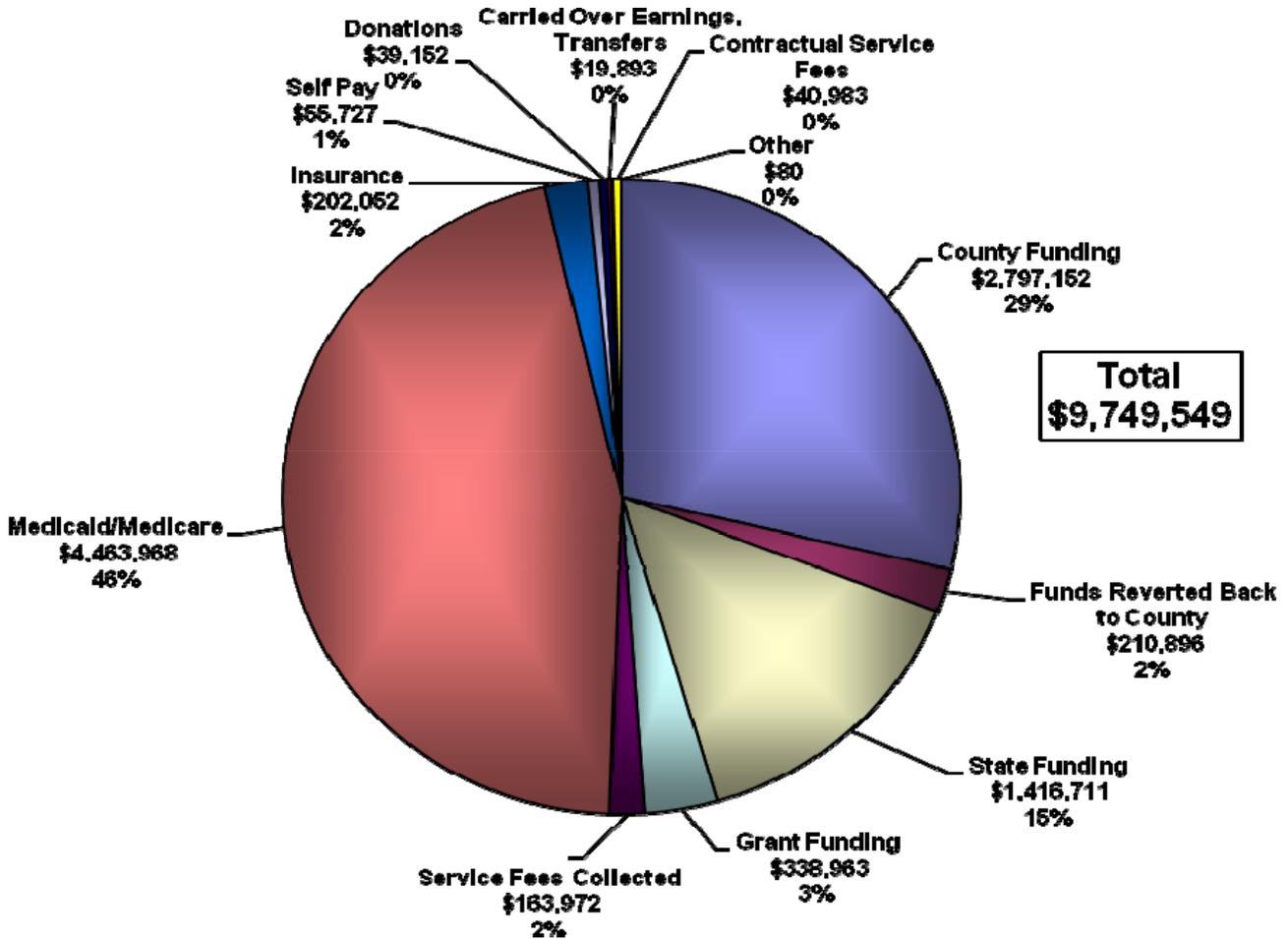
Highlights

- The Craven County Health Department was Accredited by the North Carolina Local Health Department Accreditation Board
 - "The Animal Control Staff appeared to be highly knowledgeable and skilled and deeply committed to their mission and to their work." "The Animal Control facilities deserve much recognition. The facilities were extraordinarily clean. The Site Visit Team was in total amazement that they could not even detect the smell of animals at the shelter." March 10-12, 2009
- H1N1 Flu outbreak: In April of 2009 Craven County was the site of the first cluster of confirmed cases of H1N1 in the state of NC. Our communicable disease staff, epidemiology team and many other state and community partners worked many hours to properly investigate the outbreak and to keep our professional partners and the citizens of Craven County informed.
- Craven County's Onsite Wastewater Program was cited as an example of ". . . the way all onsite wastewater programs should be run throughout the state" by the Onsite Wastewater Section of NCDENR.
- Child Health staff participated in the "Child Health Learning Collaborative" a quality improvement initiative resulting in improved patient visit cycle times, improved patient satisfaction, and improved clinic flow.
- Responded to an outbreak of foodborne illness affecting over 100 patrons visiting a local restaurant where over 50 individuals were identified as illness cases. Worked with the facility as it demonstrated a timely and effective response and mitigation plan to limit the spread of illness.
- The Environmental Laboratory obtained certification for Heterotrophic Plate Count (HPC) analysis in drinking water. The addition of Heterotrophic Plate Count to the Environmental Laboratories list of certified water quality parameters resulted in an increase water analysis and revenue.
- Craven County Private Drinking Water Well Program was selected as the first to be reviewed by the newly formed branch, and so assisted in the creation of procedures to be used in future review of well programs throughout the state.
- Started the Healthy Weight initiative in January of 2009. This is a 12 week program to teach overweight children and their families how to make healthy food choices and improve physical activity.
- OSWPS field staff began using GPS to accurately record the locations of soil borings, site features, wells, and septic system components.

- Vector Control applied for and received a three year, \$45,000 grant from the State for a Tick Control and Tick-borne Disease Education Project. Capital for the project will be given in three installments of \$15,000/year for three years.
- WIC allocated caseload from the state increased from 3,282 to 3,660 at year's end.
- \$2,727,071.45 in WIC food dollars redeemed in Craven County
- The County obtained a grant from NCSU for reclamation of rain water; this has resulted in a significant savings of ground water, as well as saving money.
- Drug manufacturers provided the Pediatric Asthma program with peak flow meters and inhaler spacers for those patients who could not afford to get one.
- Two methamphetamine laboratories were identified in Craven County by law enforcement this fiscal year. We conducted home visits to post that the building that had the meth lab remain vacant until it has been completely cleaned following plans prepared by the owner and approved by our department. Both sites involved outbuildings (garages) and remain vacated.
- Enrolled in the U.S. Food and Drug Administration's (FDA) Voluntary National Retail Food Regulatory Program Standards
- Completed training and certification or renewal for five staff to teach nationally accredited Food Safety ServSafe® course.
- The OSWPS optically scans all new paperwork and back-logs issued or received by the section as time allows, with the goal of having all departmental files viewable, searchable, and retrievable electronically.

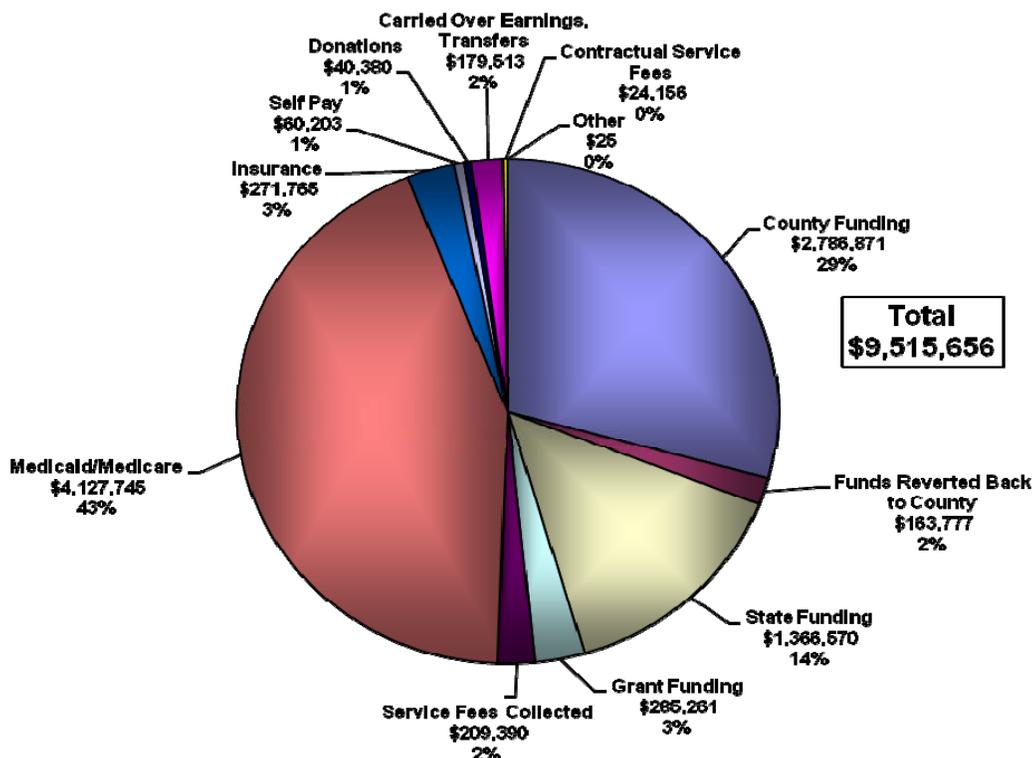
Revenues

2008/2009



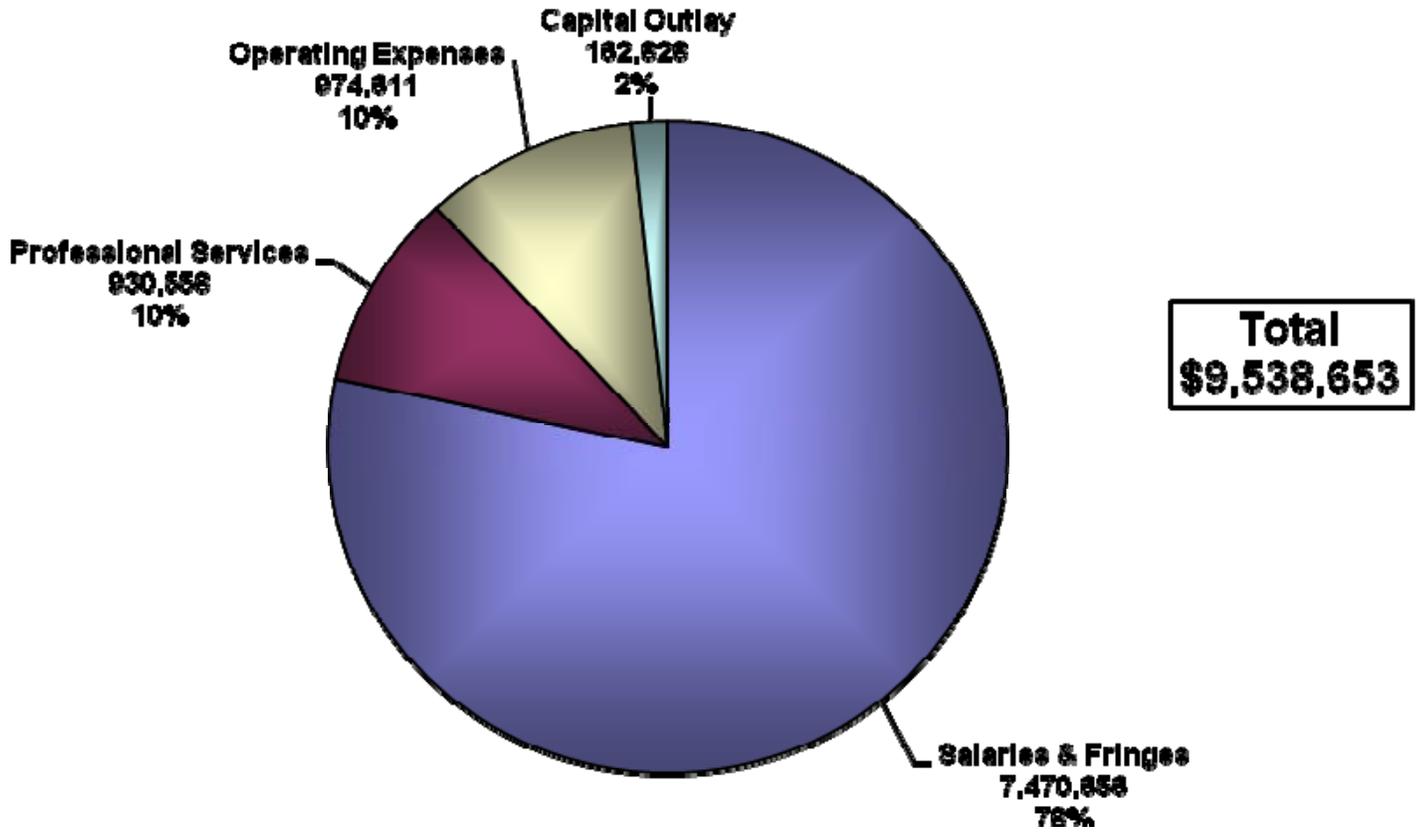
Revenues

2007/2008



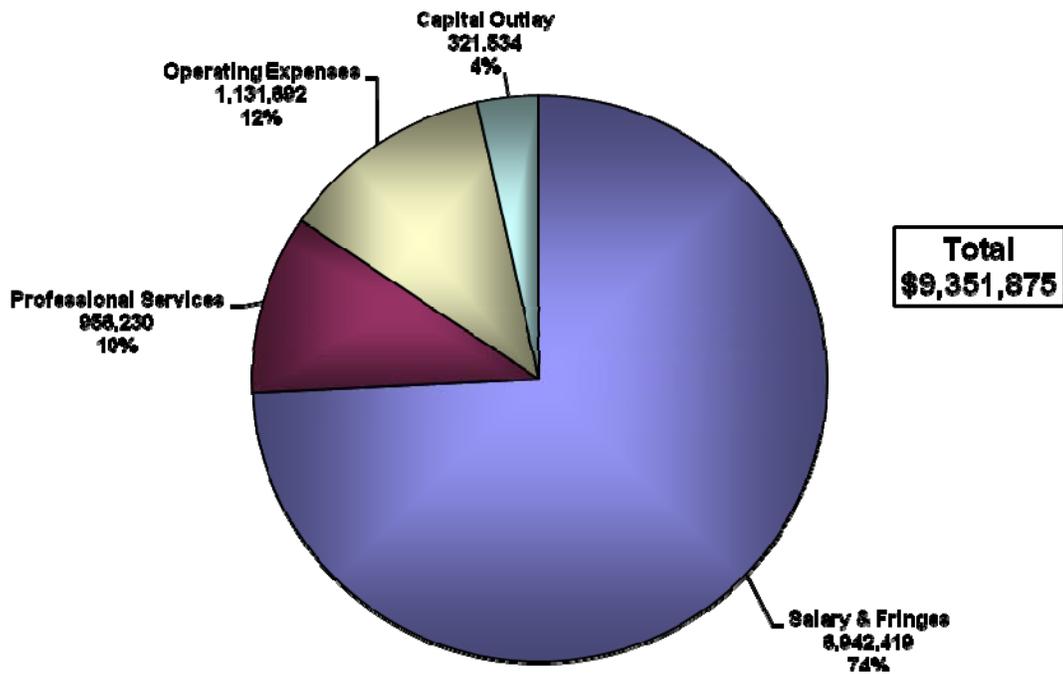
Expenditures

2008/2009



Expenditures

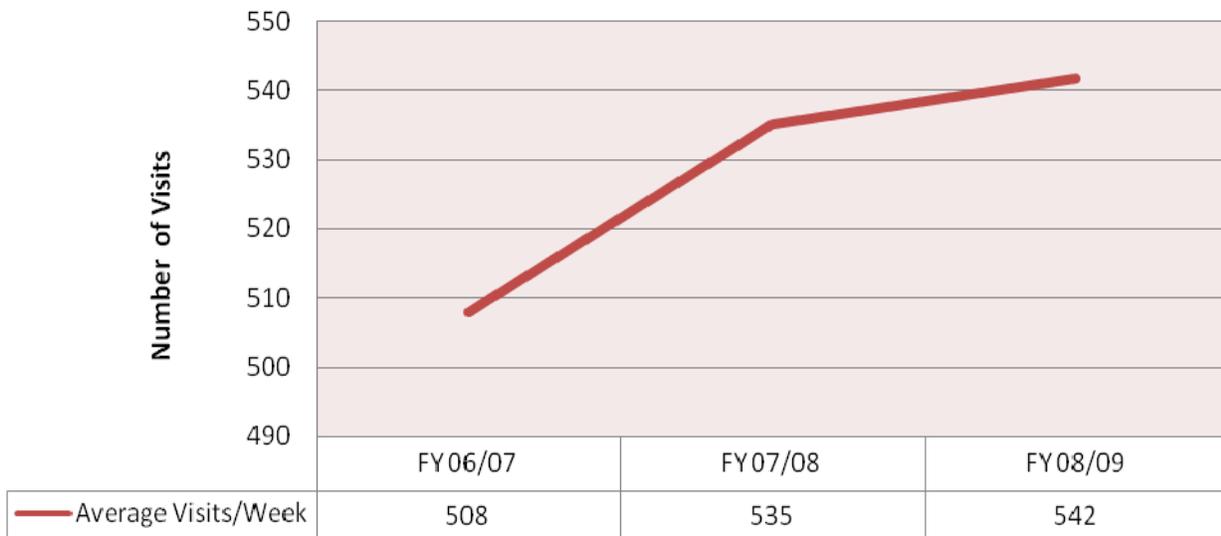
2007/2008



Grant Revenues

BT Preparedness/Resp.	\$52,524
CDC Lead	\$7,008
March of Dimes	\$3,000
Healthy Carolinians	\$10,000
Closing the Gap	\$27,402
Refugee Health	\$3,700
Tick Control	\$15,000
Jail	\$77,519
FB Bates	\$4,000
Home Health Telemonitoring	\$8,448
Carolina Access III	\$130,362
TOTAL	\$338,963

Average Clinic Visits Per Week



ADULT HEALTH

Provides health promotion and early detection services to clients over the age of 18.

Statistics

2007/2008

32 Screening Visits
280 Office Visits
511 STD Treatments
303 STD Screenings
570 HIV Tests
144 BCCCP Visits
305 Tuberculosis Screenings
1,000 Flu Shots Immunizations
6 Pneumococcal Immunizations

2008/2009

27 Screening Visits
192 Office Visits
1,059 STD Treatments
378 STD Screenings
625 HIV Tests
177 BCCCP Visits
488 Tuberculosis Screenings
1,080 Flu Shots Immunizations
8 Pneumococcal Immunizations

FAMILY PLANNING

Provides health care screening services and routine examinations to patients of childbearing age who request birth control.

Statistics

2007/2008

1,233 Patients
2,358 Visits
966 Pregnancy Tests
4 Sterilization Referrals



2008/2009

1,489 Patients
2,961 Visits
1,164 Pregnancy Tests
2 Sterilization Referrals

MATERNITY HEALTH

Provides complete prenatal care and postpartum visits, including high-risk categories in Craven and Pamlico counties.

Services Include

- Medical Care
- Screening tests for genetic disorders
- Care Coordination
- Nutrition Counseling

Statistics

2007/2008

883 Prenatal Patients
5,896 Maternity Clinic Visits

2008/2009

864 Prenatal Patients
5,976 Maternity Clinic Visit

CHILD HEALTH

Provides care to children from birth through age 18 who are not military dependent and are seeking a medical care provider and through age 21 with Carolina Access Medicaid.

Statistics

2007/2008

1,713 Screening physicals
4,026 Treatment visits
6 Neurology visits
234 Cardiology visits
7,559 Immunizations

2008/2009

1,840 Screening physicals
3,998 Treatment visits
0 Neurology visits
268 Cardiology visits
9,688 Immunizations

LABORATORY

Provides supportive lab services for all clinics in the Health Department.

Statistics

2007/2008

44,312 Clinical Lab Tests
29,774 Clinical In-House
5,678 Microbiology Tests
8,417 NC State Labs
289 Carolina East Medical Center
154 LabCorp

2008/2009

46,307 Lab Tests
31,930 Clinical In-House
5,041 Microbiology Tests
8,402 NC State Labs
316 Carolina East Medical Center
618 LabCorp



DENTAL PROGRAM

The Smile Mobile, a 53-foot trailer, provides clinical services to targeted elementary and middle schools in Craven, Jones and Pamlico counties.

Statistics

2007/2008

1,133 Patients
406 Patients Received Sealants

2008/2009

746 Patients
243 Patients Received Sealants

CARE COORDINATION

Available to Health Department clinic patients by referral.

Services Include

- Family Service
 - **Maternity Care Coordination** – Provides case management and support services to prenatal patients during their pregnancies and for 60 days postpartum. Services include assisting in identifying needs and strengths, helping to locate community resources, and psychosocial counseling if indicated.
 - **Health and Behavior Intervention** – Provides intensive, focused counseling for pregnant and postpartum (60 days) women who have serious psychosocial needs. It may include individualized treatment therapies designed specifically to aid in overcoming the identified problems. It may also include the involvement of the woman's significant other or other service providers.
 - **Child Service Coordination** – Provides case management for children from birth to age 5 who are sick, at risk for developmental problems or have special needs. Services include home visits, developmental screenings as indicated, parent education, assisting families in identifying the needs of their children and family, and helping to locate community resources and linkage to needed services.
 - **Postpartum and Newborn Home Visits** - Provides home visits to postpartum women and newborns that are referred.

Statistics

2007/2008

1,562 MCC Visits
2,410 CSC Patient Visits
218 MCC Enhanced Psychosocial Counseling Visits
834 Other Social Work Visits
149 Postpartum Home Visit Assessments
148 Newborn Assessments

2008/2009

1,869 MCC Visits
2,646 CSC Patient Visits
307 MCC Enhanced Psychosocial Counseling Visits
614 Other Social Work Visits
156 Postpartum Home Visit Assessments
158 Newborn Assessments

HEALTH EDUCATION

Public Health Educators are responsible for the planning and development of a coordinated health education program to meet the goals of the Health Department and the needs of Craven County residents.

Services Include

- Clinic Education – scheduled classes for clients, one-on-one counseling, educational literature and exhibits, staff education, and services as a resource for Health Department staff and clients
- School Education – teacher/school personnel training. SHAC and Board of Education programs, classroom presentations, and resources for teachers and students.
- Community Education – health education programs for civic clubs, churches, organizations, businesses, youth groups, and non-profit organizations; media contacts; health fairs and special projects; public health information resources
- Marketing – through media contacts with news releases, public service announcements

Statistics

2007/2008

45 Presentations/Classes
28 Conferences/Workshops/Trainings
136 Community Meetings Attended
36 Community Events/Festivals
12 Media Contacts
67 Request for Information

2008/2009

89 Presentations/Classes
18 Conferences/Workshops/Trainings
164 Community Meetings Attended
27 Community Events/Festivals
3 Media Contacts
76 Request for Information

WIC

Provides services to pregnant, postpartum and nursing mothers, infants and children under 5 who meet the financial criteria and have a nutritional/medical risk that qualifies them for WIC services.

Statistics

2007/2008

40,163 Services
3,347 Average Monthly Participant Caseload

2008/2009

44,336 Services
3,695 Average Monthly Participant Caseload

NUTRITION

Offers services to Craven County residents of all ages and income levels.

Services Include

- Individual counseling for children requiring special diets and obesity
- Breast-feeding and weight management classes
- Nutrition education
- Participation in community events, health fairs, and media productions which promote healthy lifestyles



Statistics

2007/2008

270 Non-WIC Individuals Counseled
1,092 Class/Special Event Participants
104 Hospital Visits

2008/2009

28 Non-WIC Individuals Counseled
1,476 Class/Special Event Participants
120 Hospital Visits

HOME HEALTH

Provides at home care for patients in Craven County who are referred by local physicians and hospital discharge planners.

Services Include

- Skilled Nursing
- Occupational Therapy
- Speech Therapy
- Physical Therapy
- Certified Nurse Assistants

Statistics

2007/2008

426 Patients

2008/2009

385 Patients

HOSPICE

Provides support and care for terminally ill patients and their families.

Services Include

- Interdisciplinary team management including skilled nursing, social work, therapies and aide services
- Hospice Volunteers – trained in handling the unique needs of the patient

Statistics

2007/2008

106 Volunteer Visits

131 Patients

2008/2009

107 Volunteer Visits

109 Patients

ENVIRONMENTAL HEALTH

Provides education, surveillance and enforcement of State laws and rules, County ordinances and Board of Health regulations.

Section Areas Include

- **Food, Lodging and Institutions** – Ensures safe food and sanitary practices in permitted establishments including hospitals, nursing homes, elderly nutrition sites, restaurants, festival food stands, childcare centers, school buildings and cafeterias, residential care homes, meat and seafood markets, tattoo parlors, hotels and swimming pools.
- **On-site Water Protection** – Responsible for regulating activities associated with sewage collection, treatment and subsurface disposal systems, including those utilized for disposal of industrial process and domestic strength wastewater. The program is also responsible for siting, permitting, inspecting and sampling all new, repaired or replaced private drinking water wells.
- **Vector Management** – Monitors vector borne disease activity in the wild. Is responsible for identification to species, surveillance and the coordination of treatment of certain vectors and their breeding sites throughout the County. Advises on proper integrated pest management control methods for public health pests such as flies, roaches, rodents and mosquitoes.
- **Children's Environmental Health** - Investigates the environments of patients with illness that require an environmental component to successfully manage.
 - *Asthma Program* which promotes the successful self management of asthma in both the pediatric and adult populations thru workshops, home assessments, environmental interventions, health care provider and public education.
 - *Indoor Air Quality Program* which assists the public regarding identification of causes and potential remediation measures needed when presented with complaints regarding indoor air quality pollution in homes and businesses.
 - *Childhood Lead Poisoning Prevention Program* which performs environmental investigations and provides interventions for identified lead-poisoned children; promotes safe lead housing and safe working techniques remodelers and renovators of pre- 1978 dwellings and child-occupied facilities; educates the public about other sources of lead, e.g., toys, furniture and jewelry. Enforces state laws and works

with property owners to remediate the identified lead hazards. EPA Accredited training provider for certified lead-safe renovators.

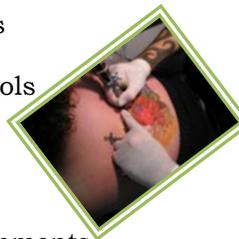
- *Methamphetamine Residuals Decontamination* which Enforces State regulations and County policies developed to address the proper decontamination and rehabilitation of property that has been used in the illegal clandestine manufacture of methamphetamine prior to rehabilitation.
- **Environmental Education** – Provides regularly scheduled educational classes as well as presentations “on-demand” about various Environmental Health issues.
- **Environmental Laboratory** – Maintains a State certified commercial laboratory that provides analytical testing of drinking water for the presence of Total Coliform and E.coli bacteria. These groups of bacteria are useful indicators of possible pathogens (disease-causing organisms) which can affect the quality of drinking water supplies and pose threats to the public’s health. Testing is performed on drinking water for regulatory compliance and general/noncompliance purposes. The laboratory also provides analytical testing for the presence of Fecal Coliform and Enterococcus in wastewater. Fecal Coliform and Enterococcus are bacterium commonly associated with raw sewage and their pathogens (disease-causing organisms). Testing for these bacterium provides useful information of possible sewage contamination of waterways which can pose health risks to the public.
- **Animal/Rabies Management** – Assists in the prevention of the spread of rabies virus in humans through public education, surveillance and enforcement activities associated with the encouragement of rabies vaccinations in domestic animals and the reduction of stray animals in Craven and Pamlico counties.

Statistics

Food, Lodging and Institutions

2007/2008

1,650 Total Inspections
811 Restaurants
156 Food Stands
31 Mobile Food Units
17 Pushcarts
4 Private School Lunchrooms
4 Elderly Nutrition Sites Catered
11 Elderly Nutrition Sites On-site
90 Public School Lunchrooms
63 Limited Food Service
51 Institutional Food Service
21 Lodging
4 B&B Homes
12 B&B Inns
45 Residential Care/Group Homes
1 Summer Camps
27 Rest/Nursing Homes
77 Meat Markets
85 Child Day Care
25 Public & Private School Buildings
1 Adult Day Service
34 Seasonal Swimming Pools
2 Seasonal Wading Pools
12 Year-round Swimming Pools
9 Year-round Spas
1 Confinement
1 Hospital
13 Tattoo Artists
62 Temporary Food Establishments
10 Summer Food Service Program Inspections
1 Seafood Vehicle
8 Seafood Markets
142 Complaints Investigated



2008/2009

1,388 Total Inspections
649 Restaurants
111 Food Stands
10 Mobile Food Units
7 Pushcarts
4 Private School Lunchrooms
4 Elderly Nutrition Sites Catered
12 Elderly Nutrition Sites On-site
92 Public School Lunchrooms
42 Limited Food Service
52 Institutional Food Service
18 Lodging
3 B&B Homes
11 B&B Inns
37 Residential Care/Group Homes
2 Summer Camps
29 Rest/Nursing Homes
56 Meat Markets
65 Child Day Care
14 Public & Private School Buildings
1 Adult Day Service
32 Seasonal Swimming Pools
2 Seasonal Wading Pools
17 Year-round Swimming Pools
11 Year-round Spas
3 Confinement
0 Hospital
31 Tattoo Artists
63 Temporary Food Establishments
7 Summer Food Service Program Inspections
0 Seafood Vehicle
6 Seafood Markets
149 Complaints Investigated



On-Site Water Protection

2007/2008

283 Improvement Permits Issued
273 Operation Permits Issued
78 Complaint Investigations
825 Applications
279 Construction Authorizations Issued
223 Authorizations for Existing Systems
7 Migrant Housing Inspections
64 SRP Required Septic System Inspections
9 Well Construction Permits
36 Grout Inspections
43 Well Head Inspections
118 Well Consultative Contacts
24 Bacteriological Samples Collected
4 Well Certificate of Completion
0 Well Abandonment Permits

2008/2009

149 Improvement Permits Issued
185 Operation Permits Issued
135 Complaint Investigations
495 Applications
179 Construction Authorizations Issued
176 Authorizations for Existing Systems
8 Migrant Housing Inspections
47 SRP Required Septic System Inspections
10 Well Construction Permits
43 Grout Inspections
8 Well Head Inspections
205 Well Consultative Contacts
41 Bacteriological Samples Collected
10 Well Certificate of Completion
4 Well Abandonment Permits

Vector Management

2007/2008

53 Complaint Investigations
210 Mosquito Traps Set
15,438 Specimens Caught and Identified to Species
46 Mosquito Pools Collected and Submitted
0 Pools Positive for EEE
0 Pools Positive for WNV
186 Sentinel Chicken Blood Samples Obtained
6 Chickens Tested Positive for EEE
0 Chickens Tested Positive for WNV



2008/2009

54 Complaint Investigations
216 Mosquito Traps Set
21,127 Specimens Caught and Identified to Species
8 Mosquito Pools Collected and Submitted
0 Pools Positive for EEE
0 Pools Positive for WNV
169 Sentinel Chicken Blood Samples Obtained
2 Chickens Tested Positive for EEE
0 Chickens Tested Positive for WNV
4 Chickens Tested Positive for Highlands J
1 Chickens Tested Positive for Both EEE and Highlands J
200 Ticks Collected and Identified to Species
40 DNA Analysis performed on Ticks
1 Ticks Tested Positive for Lyme Disease
0 Ticks Tested Positive for Rocky Mountain Spotted Fever



Pediatric Asthma

(within 3 counties)

2007/2008

61 Asthma Client Referrals to us
10 Home Assessments
55 "Parent Bags" delivered to area pediatric offices

2008/2009

77 Asthma Client Referrals to us
14 Home Assessments
86 "Parent Bags" delivered to area pediatric offices

Adult Asthma

(within 3 counties)

2007/2008

16 Asthma Client Referrals to us
1 Adult Home Assessment

2008/2009

43 Asthma Client Referrals to us
0 Adult Home Assessment

Indoor Air Quality

2007/2008

13 Site Investigations (Referral oriented)
51 Request for Services/Complaints

2008/2009

27 Site Investigations (Referral oriented)
48 Request for Services/Complaints

Childhood Lead Poisoning Prevention

2007/2008

8 Children with EBL identified
6 EBL Investigations
1 Inspections Due to Lead-poisoned Child
0 Preventive Maintenance Program Applications Submitted
16 Inspections to Identify Lead-based Paint and/or Lead Hazards (within 11 counties)
3 Clearance Inspections (within 11 counties)

2008/2009

11 Children with EBL identified
14 EBL Investigations
2 Inspections Due to Lead-poisoned Child
0 Preventive Maintenance Program Applications Submitted
4 Inspections to Identify Lead-based Paint and/or Lead Hazards (within 11 counties)
1 Clearance Inspections (within 11 counties)

Methamphetamine Residuals Decontamination

2007/2008

0 Site Initial Investigations
0 Site Investigations (other than initial)
0 Site Decontamination Plans Received
0 Site Decontamination Completed

2008/2009

2 Site Initial Investigations
0 Site Investigations (other than initial)
0 Site Decontamination Plans Received
0 Site Decontamination Completed

Environmental Education

2007/2008

4 HUD Approved Lead-safe Work Practice Classes Taught On-site
21 Lead-safe Work Practice Participants
11 Asthma Management Workshops
27 Family Participants in Workshops
4 Managers' Food Safety Classes Conducted
67 Participants Nationally Certified in Managers' Food Safety Class
0 Culinary Arts Students' Food Safety Class Participants
103 Cafeteria Staff Food Safety Class Participants
8 One-day General Food Safety Class Participants
4 Childcare Center Presentations
50 Participants at Childcare Presentations

2008/2009

4 HUD Approved Lead-safe Work Practice Classes Taught On-site
7 Lead-safe Work Practice Participants
15 Asthma Management Workshops
57 Family Participants in Workshops
4 Managers' Food Safety Classes Conducted
55 Participants Nationally Certified in Managers' Food Safety Class
37 Culinary Arts Students' Food Safety Class Participants
101 Cafeteria Staff Food Safety Class Participants
15 One-day General Food Safety Class Participants
0 Childcare Center Presentations
0 Participants at Childcare Presentations

Environmental Laboratory

2007/2008

343 Fecal Coliform
 343 Fecal
 0 Enterococci
444 Public System Compliance Samples
 444 Coliform
 0 HPC
33 Well Water Analyses
289 New Potable Water Line Construction Samples

2008/2009

446 Fecal Coliform
 236 Fecal
 210 Enterococci
659 Public System Compliance Samples
 569 Coliform
 90 HPC
293 Well Water Analyses
258 New Potable Water Line Construction Samples

Animal/Rabies Management

2007/2008

352 Animal Bites Investigated
5,288 Animals Euthanized
6,674 Animals Brought to Shelter
588 Animals Adopted from Shelter
4 Case of Rabies



2008/2009

329 Animal Bites Investigated
5,330 Animals Euthanized
6,369 Animals Brought to Shelter
 3,450 Surrendered
 2,919 Picked Up
580 Animals Adopted from Shelter
 186 Cats
 394 Dogs
0 Case of Rabies



OCTOBER 2009