

DURHAM COUNTY

DEPARTMENT OF PUBLIC HEALTH



ANNUAL REPORT FY19

This is public health.

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LEADERSHIP TEAM

Gayle Harris, MPH, RN
Public Health Director

Joanne Pierce, MA, MPH
Deputy Public Health Director

Tara Blackley, MA, MPH, MBA
Deputy Public Health Director

Arlene Seña, MD, MPH
Medical and Laboratory Director

Mel Downey-Piper, MPH, CHES
Director of Health Education & Community Transformation

Michele Easterling, MPH, RD, LDN
Nutrition Director

James Harris Jr., MA, PhD
Dental Director

Marcia Johnson, MPA
IT Administration Division Director

Rosalyn McClain
Senior Administrative Officer

J. Christopher Salter, REHS
Environmental Health Director

Hattie Wood, RN, MSN, MHA
Community Health and Nursing Director

Katie Mallette, MLS(ASCP)^{CM}
Allied Health Director

BOARD OF HEALTH

F. Vincent Allison, III
Chairman-Dentist Position

Stephen Dederick, RPh, MS
Vice-Chair-Pharmacist Position

Brenda Howerton
Durham County Board of County Commissioners Liaison

Mary Ann Fuchs, DNP, RN, NEA-BC FAAN
Nurse Position

Teme Levbarg, PhD, MSW
Public Member At-Large

Arthur Feguson, BS
Public Member At-Large

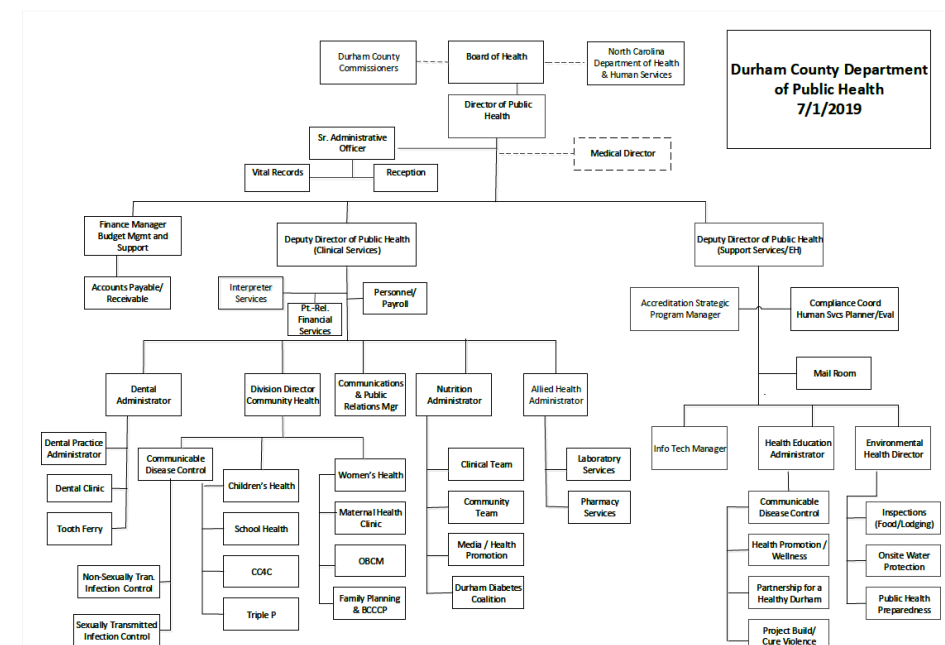
Mary Braithwaite, MD
Physician Position

Rosemary Jackson, MD, MPH
Public Member At-Large

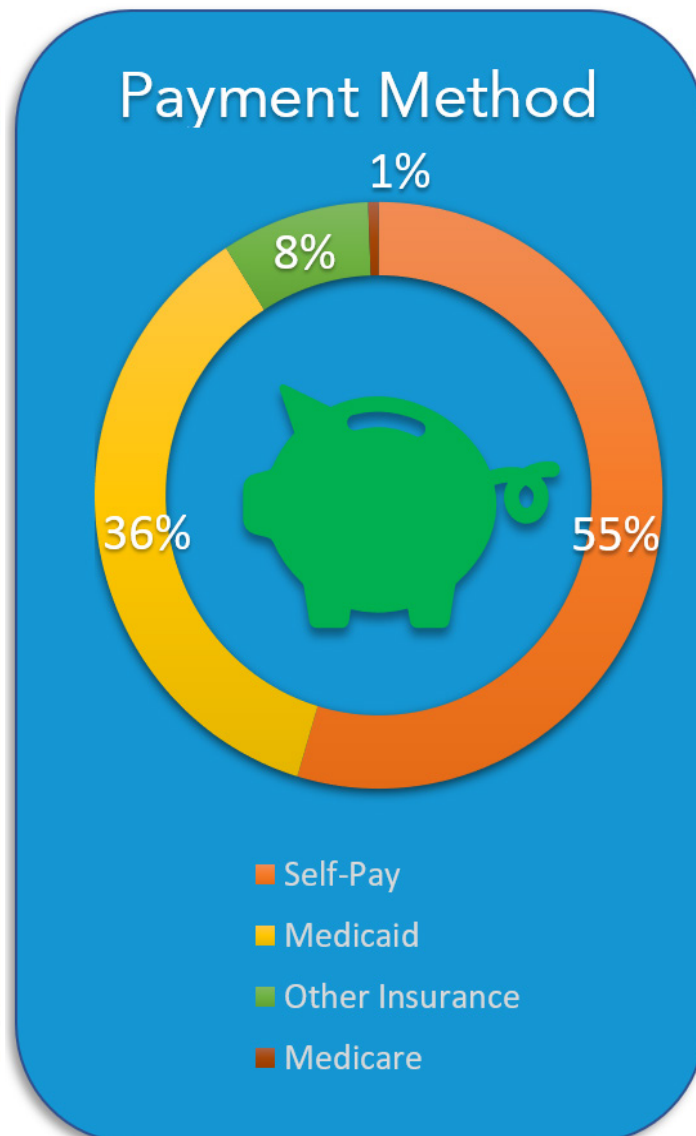
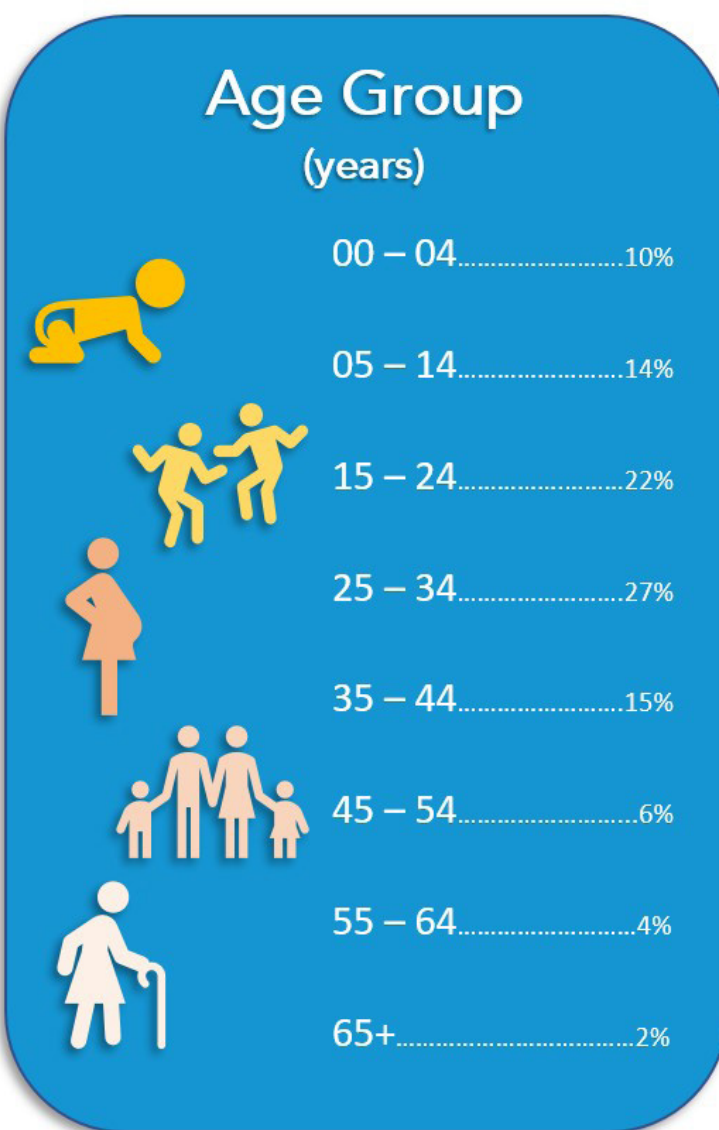
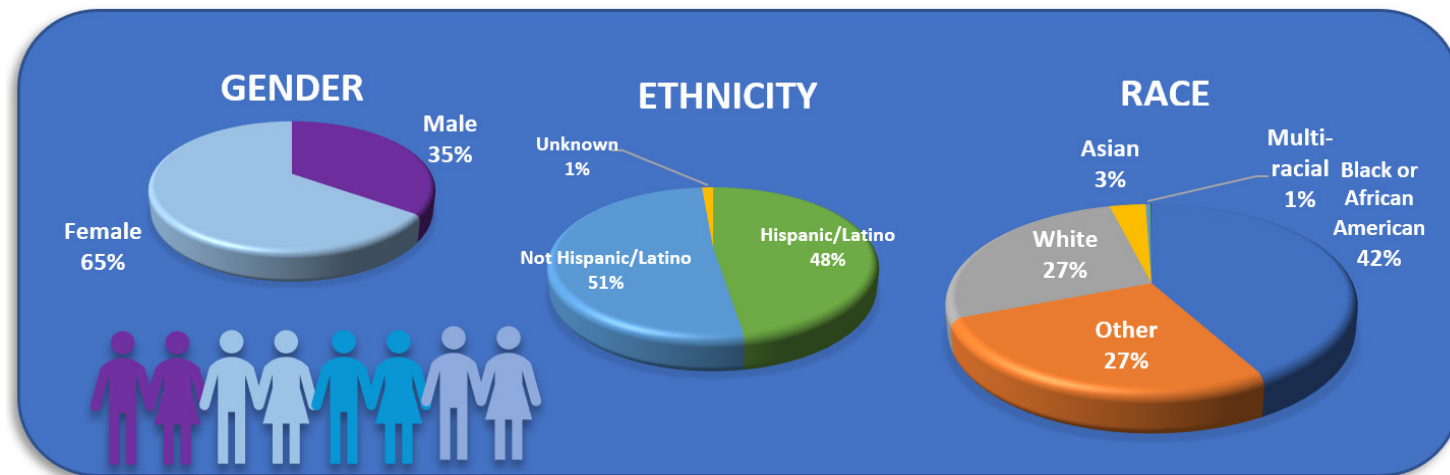
A. Spencer Curtis, MPH
Engineer Position

James Miller, DVM
Veterinarian Position

Robert Rosenstein OD
Optometrist Position



Who We Serve...



Total Patients: 13,516

SERVICES

- Birth Control
- Cervical Cancer Screenings
- Chronic Disease, Diabetes and Chronic Pain
- Self-Management
- Communicable Disease Control
- County Jail Health
- Dental
- Emergency Contraception
- Environmental Health Inspections
- Family Planning
- Health Education
- Immunizations (Vaccinations)
- Mammograms & Breast Exams
- Nutrition Counseling & Therapy
- Pap Smears
- Postpartum Examinations
- Pregnancy Tests
- Prenatal Care
- Rabies Prevention
- Refugee Health
- Restaurant Complaints
- Smoking/Tobacco Cessation
- STD Testing & Treatment
- Tuberculosis (TB) Control
- Webinars
- Youth Dental Cleanings & Extractions
- Youth On-site Dental Screenings

PROGRAMS

- Autism Spectrum Disorders Dental Clinic
- Bull City United
- Care Coordination for Children (CC4C)
- Chronic Care Initiative
- Support Groups (diabetes, former smokers)
- DINE for Life
- Durham County Health Ministry Network
- Formerly Incarcerated Transitions (FIT) Program
- FreshStart Smoking Cessation Program
- Junior Iron Chef Durham
- Obstetrics Care Management (OBCM)
- Partnership for a Healthy Durham
- Positive Parenting Program (Triple P)
- Project BUILD
- School Health Program
- Vital Records

Administration

This year, our Administration Division's interpretation team began offering an award-winning app to better serve our guests with diverse language needs. Our Interpreter Request Service application was recognized with a 2019 Achievement Award from the National Association of Counties (NACo). The awards honor innovative, effective county government programs that strengthen services for residents.

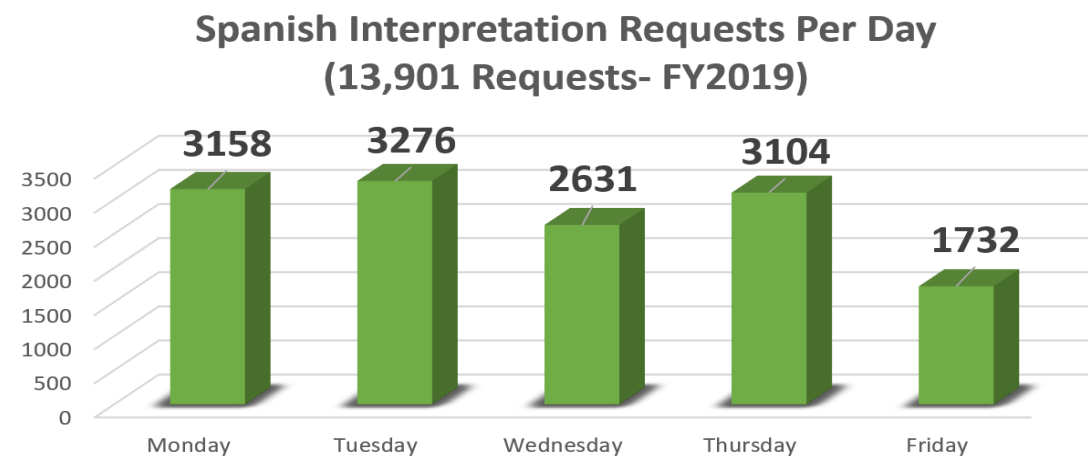
NACo recognized DCoDPH and Durham County Information Services and Technology for their collaboration in creating the application. The app allows DCoDPH employees to quickly request interpretation services for any visitor in need, bridging language barriers and making our services more accessible to all.

In fiscal year 2019, the team recorded 13,901 interpretation requests from 16 areas within the department. The new application decreased the average response time to an interpretation request from 15 minutes to 38 seconds and reduced costs by 79 percent.



The interpretation team

“The new application decreased the average response time to an interpretation request from 15 minutes to 38 seconds.”



Allied Health

Medication Drop Box

Free Naloxone to Individuals & Organizations

Safe Syringe Program

Needle/Syringe Drop Box

120 pounds of medication collected in medication drop box

264 free naloxone kits distributed

12,083 needles/syringes safely disposed

12,176 STI tests & 8,632 syphilis tests performed

Women's Health, STI, TB, Refugee Health Testing

Expanded Self-Collection Swabs

Prescription Services

Medication Counseling

38,064 prescriptions processed

100% of prescriptions filled accurately

Health Education &

Health Promotion & Wellness

The Health Promotion & Wellness team works with community members to share general health and wellness information, build skills to manage chronic conditions, and aid in prevention of future illness. This team of highly trained educators works in community, faith-based and worksite settings on a variety of topics, including physical activity, tobacco use, diabetes, and chronic pain.

- 147 individuals served through evidence-based programs
- 78 webinars reaching 477 participants
- 10 Men's Health Council events, reaching 293 participants
- 3 fitness centers for all DCo employees

Reproductive Health

Our health education team works to educate the community about reproductive life planning and contraception, improving the lives of Durham's children and families. We also offer childbirth classes to build expectant mothers' confidence about their natural abilities to give birth and to prepare mothers to care for the entire family once the baby arrives.

- 505 people reached with reproductive health information
- 36 childbirth classes to 266 participants

Non-Traditional Testing

We provide HIV and Hepatitis C testing in community outreach settings and within the Durham County jail. The target population is Durham County residents who engage in high-risk sexual behavior. These programs bring services to clients who cannot visit or do not feel comfortable visiting our building.

- 1546 individuals tested through community outreach events
- 2357 individuals tested through jail testing

Community Transformation

Project BUILD



Project BUILD participants decorate cupcakes at a local bakery during the program's Spring Camp.

Project BUILD (Building, Uplifting, Impacting Lives Daily) is a gang intervention program that provides coordinated case management and intensive services to youth and young adults between the ages of 14 and 21 who are at high risk of gang involvement. Project BUILD's street outreach workers work one-on-one with young people to model pro-social behavior, support positive decision-making, connect youth to school and employment, and support involvement in positive activities.

In fiscal year 2019, Project BUILD connected 40 clients to educational services; 6 completed high school, receiving a diploma or GED; 14 completed probation; and 26 were connected to employment.

Bull City United

Bull City United (BCU) is Durham's implementation of the Cure Violence model, which seeks to reduce shootings and killings from gun violence by addressing violence as a contagious behavior. The BCU team currently has six members who work in two neighborhoods, McDougald Terrace and Southside, which were chosen based on the per capita level of violence in these census tracts. At the end of the fiscal year, BCU had a caseload of 53 participants with multiple risk factors for likely involvement in violence. BCU works to connect these individuals to employment and education in order to impact the socioeconomic factors that influence community health. As of June 2019, 57% of participants are employed, and 79% showed gun related behavior change.



The Bull City United team

Health Education & Community Transformation



The Partnership for a Healthy Durham is a county-wide coalition, based in The Durham County Department of Public Health, that brings together community members and organizations to improve the health of Durham residents.

Partnership members focus on the **top five health priorities** chosen by the community in the 2017 Community Health Assessment (CHA):



1. AFFORDABLE HOUSING



2. ACCESS TO HEALTHCARE & INSURANCE



3. POVERTY



4. MENTAL HEALTH



5. OBESITY, DIABETES, & FOOD ACCESS

The Partnership and DCoDPH collected the **largest number of surveys ever** in the door-to-door **Community Health Assessment survey**. The larger sample of Durham residents will allow the Partnership to look at the **data by race, ethnicity, income, education, and other factors**.

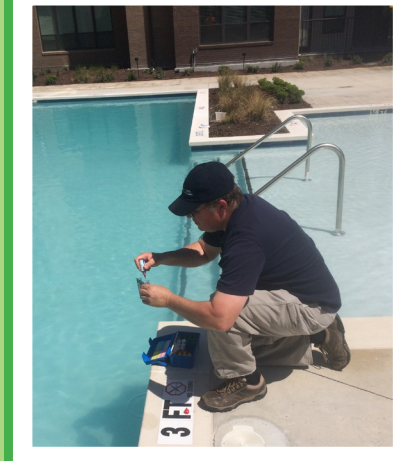
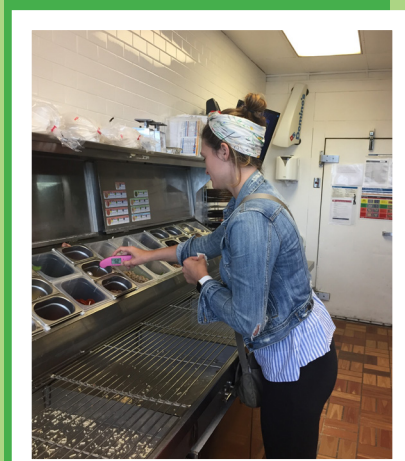
ENVIRONMENTAL HEALTH

The Environmental Health Division aims to promote human health and protect the environment through modern environmental health science, technology, and clear regulations. Paramount to this goal is the use of education during regulatory processes to gain compliance and increase the quality of public health.

181 Well Program Evals/Visits	3,950 Inspections	11 Lead Investigations/Visits
884 Onsite Program Evals/Visits	165 Water Samples	486 Swimming Pool Inspections/Visits
367 General Inspection Visits		

97% of childcare centers achieved a superior rating.

27% of malfunctioning onsite waste water systems repaired and removed from the notice of violation.



Local Preparedness Program



DCoDPH Director Gayle Harris & County Manager Wendell Davis receive their flu shots during a countywide flu exercise.

The Durham County Department of Public Health (DCoDPH) Preparedness Program strengthens and enhances the capability of local public health partners to respond to public health threats such as infectious diseases, natural disasters, and biological, chemical, nuclear, and radiological incidents. This is accomplished

by following federal and state guidelines, as well as working closely with other Durham County first responder agencies. To ensure readiness, the preparedness coordinator is charged with developing public health emergency response plans, then training staff and exercises those plans.

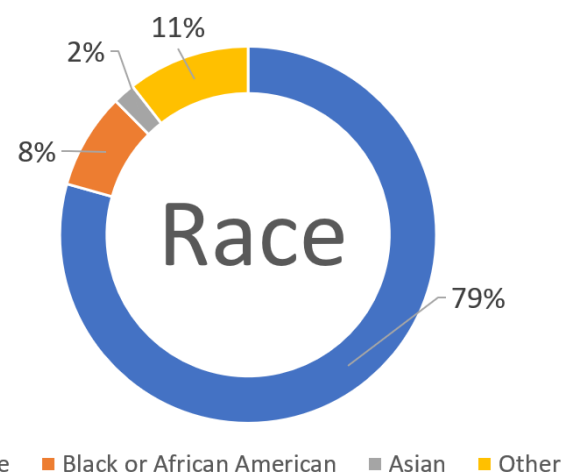
This year, the DCoDPH Preparedness Program participated in multiple trainings and exercises, as well as implementation of the Incident Command System (ICS) structure during the following responses: an influenza outbreak, a possible measles case, and the gas explosion. As required by the CDC, the DCoDPH Preparedness Program completed the five-year full-scale Medical Countermea-

sure (MCM) exercise requirement with the countywide flu exercise.

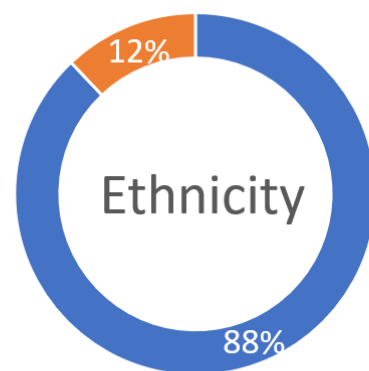
The coordinator for the preparedness program, Pat Gentry, also instructed the preparedness course taught at the UNC Gillings School of Global Public Health, NC Institute for Public Health, for the Principles and Practices of Public Health Nursing course. After a nomination from the Durham County Fire Marshal, Gentry was chosen to receive the James F. Buffalo award by the North Carolina Emergency Management Association. This award is presented to the person outside of the Emergency Management family who has exhibited outstanding support and leadership to emergency management.

Our **Dental Division** serves children and young adults throughout the Durham community, helping to set the stage for lifelong oral health. We also serve pregnant women of all ages, supporting maternal and fetal health.

Dental Patients:



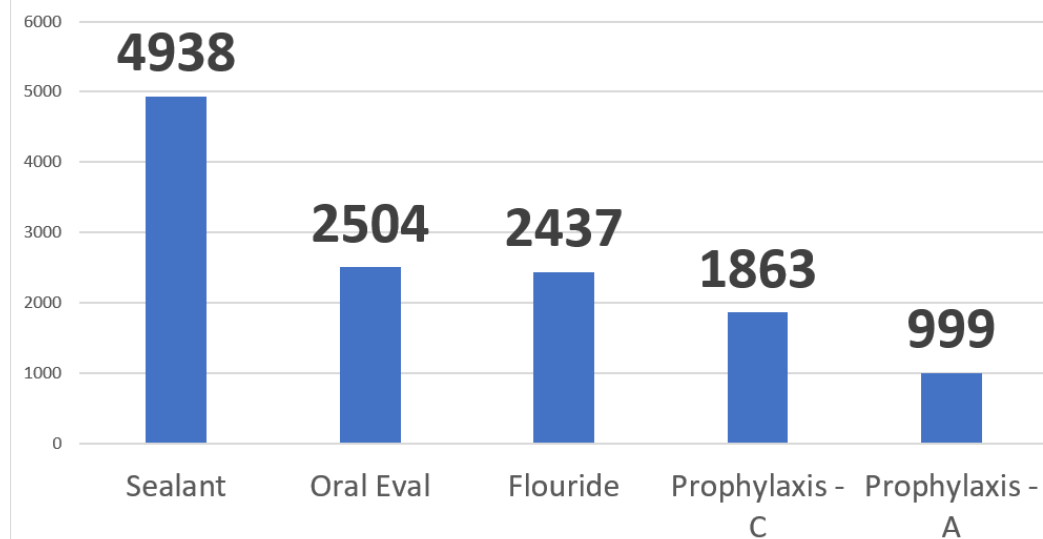
■ White ■ Black or African American ■ Asian ■ Other



■ Hispanic/Latino ■ Not Hispanic/Latino



Top Procedures



Give Kids A Smile



Dental staff with therapy dog Grayson

For the 2019 Give Kids a Smile event, in which the Dental Division partnered with UNC Adams School of Dentistry faculty and students, the clinic was visited by the school's therapy dog, Grayson. As an assistance dog, she comforts young patients who are anxious about sitting in the dental chair. Grayson has many unique talents, but perhaps her favorite on-the-job skill is hopping into the dentist's chair with kids and comforting them by laying her head on their laps. Many of the patients spent time with Grayson, even sitting with her while the dental team provided treatment.

Durham Public Schools



The Tooth Ferry

The Dental Division screened 8,340 students in Durham's elementary schools, Head Start, and Early Head Start sites. The screenings offered brief oral examinations to children, some of whom had never seen a dentist. The Tooth Ferry mobile unit also began visiting school sites this year. The Tooth Ferry is a fully equipped mobile dental office with two dental chairs, a front office, and a restroom. Features include a side bump-out for additional space in the clinic area, a DVD player and screens above each chair, a hand-held x-ray unit and technology capacity to bring up dental software and x-rays in real time – no matter where the Tooth Ferry is in the county.



Nutrition



The **Formerly Incarcerated Transitions (FIT) Program** provides access to healthcare and referrals to community partners for individuals who have recently been in prison. We collaborate with existing reentry providers across a wide spectrum of support services, primary health care providers, and the NC prison system. A **Community Health Worker** works directly with clients after release to connect them to medical care.



The **Minority Diabetes Prevention Program (MDPP)** is a yearlong program that gives clients tools to help them lose weight and lower the risk of diabetes in just 24 sessions. MDPP's small groups, offered in English and Spanish, encourage members to share strategies that have worked for them and to support one another's weight loss goals. Participants are offered course-specific tools that help them make healthier food choices and become more active.



The **Chronic Care Initiative (CCI) Program** gives Durham citizens who are living with certain chronic illnesses access to trained **Community Health Workers (CHWs)**. CCI CHWs, by trade, have shared life experiences with their clients. They see individuals in their homes, in the community, and at the Durham County Department of Public Health. The CHWs use unique approaches with each individual to help identify ways that work for them to help manage their chronic diseases.

The Nutrition Clinic provides nutrition education empowering individuals to make informed, sound health choices. In FY 2019:
4,033 nutrition contacts, including individual counseling sessions, diabetes self-management education, and nutrition education for groups
96% of clients seen for nutrition services had a positive outcome at follow-up visit



Durham's Innovative Nutrition Education



The Nutrition Division's Durham's Innovative Nutrition Education (DINE) program provides nutrition education to Durham residents who are eligible for the Supplemental Nutrition Assistance Program (SNAP/EBT, formerly known as food stamps). There are 17,376 households and 35,781 individuals who receive SNAP in Durham County (11.5% of Durham's population). DINE's target population includes children, parents, women of child-bearing years, and seniors and focuses its services in childcare facilities, schools, community centers, grocery stores, and medical clinics. In FY2019, DINE provided nutrition education to nearly 10,000 Durham residents.

DINE elementary nutritionists have a long-standing relationship with the Durham Public School Hub Farm, coordinating efforts to facilitate field trips that allow students to explore the inner workings of the farm and create nutritious recipes on-site. This year, the DINE partnered with Student U, Rebound Fellowship Church, and the Hub

Farm, which lead to the building and establishment a student-led community garden on campus. Rebound Fellowship provided Student U with startup funds and materials, and students, along with volunteers, built five 10 foot x 4 foot raised garden beds.



Students help create a community garden.

Together, the DINE Nutritionist and Hub Farm staff taught a series of classes on gardening, nutrition, and cooking. Students prepared and planted fruits and vegetables in the raised beds and used their produce in cooking labs. This partnership taught students how to grow and cook their own food and has been a positive step toward transforming the food environment in this community .





Women's Health

Family Planning Clinic

The Family Planning Clinic offers comprehensive contraceptive options. This year, we have been able to increase our capacity to see any woman who enters our clinic needing a pregnancy test or desiring to start same-day birth control.

5,053 clinic visits

OB Care Management

This program screens all pregnant women in NC who are eligible based on risk and need. Care managers connect patients to resources and provide one on one support during the course of their pregnancy and postpartum period.

18,000 visits with patients
(home or by phone)

Maternal Health Clinic

Our Maternal Health Clinic treats women regardless of income, insurance or documentation status, or gestational age.

Among our services, we offer Centering Pregnancy, group prenatal care which provides social support and empowers women through their pregnancies.

9,465 clinic visits

Breast & Cervical Cancer Control Program

This program provides breast and cervical cancer screening for women who otherwise would likely not have access to these services, offering free screenings to those in need.

64 clients seen

Child Health

Triple P

The Durham Positive Parenting Program, or Triple P, works to connect with community partners throughout the area to create **networks of support** for parents at risk of toxic stressors, including poverty, violence, and racism. Our Triple P team attends **community events** such as the Safe Kids Expo and Resident Council meetings in local housing communities, and we host **community seminars** to offer **practical strategies for positive parenting**. These supports aim to help parents more effectively meet their children's **material and emotional needs**.

CC4C

The Care Coordination for Children (CC4C) program provides services for **infants, toddlers, and children**, birth to 5 years of age, who are diagnosed with **special health care needs** (chronic physical, developmental, behavioral and/or emotional conditions). Services provided by **CC4C nurses and social worker care managers** are **individualized** to meet **specific patient needs** and risk-stratification guidelines.



School Health Program

The School Health Program is staffed by a team of registered nurses who support the health, well-being, and academic success of Durham's 33,000 public school students.

12,812

Student encounters/health office visits resulting in the student returning to class

32

Student encounters/health office visits resulting in a call to 911

1,854

Student encounters/health office visits resulting in the student being sent home

In FY 2019, our Communicable Disease (CD) team....

Conducted **9**
outbreak
investigations

The CD Program conducted 9 outbreak investigations during FY 2019, primarily related to influenza and food-borne infections. This team also led the response to a suspected measles exposure at a school's day care center, ensuring that preventive treatment, lab titers, and vaccinations were provided to prevent further infection in the event the case was confirmed.

Provided **6,402**
STI Clinic visits

The STI Clinic provided services during 6,402 visits to 3,920 clients. These services included 3,967 full screening and treatment appointments and 2,435 testing only visits. The STI Clinic referred 97 clients at risk for acquiring HIV to Lincoln Primary Care, UNC Hospitals, and Duke Infectious Disease Clinic for PrEP.

Investigated **27**
suspected cases of
active tuberculosis

The TB Clinic conducted assessment services for 27 suspected active TB cases referred by community providers in FY 18-19. The TB Clinic staff also provided evaluation, treatment and case management for 9 confirmed cases of active tuberculosis. In addition, the TB clinic provided medication and evaluation services to 119 clients with latent tuberculosis infection.

Administered **5,203**
immunizations

The Immunization Program administered 5,203 immunizations to 2,318 clients in FY 18 -19. Outreach activities providing immunizations to the community included partnerships with Urban Ministries, Open Table, Durham Rescue Mission, Head Start, and Bull City Fresh Start.

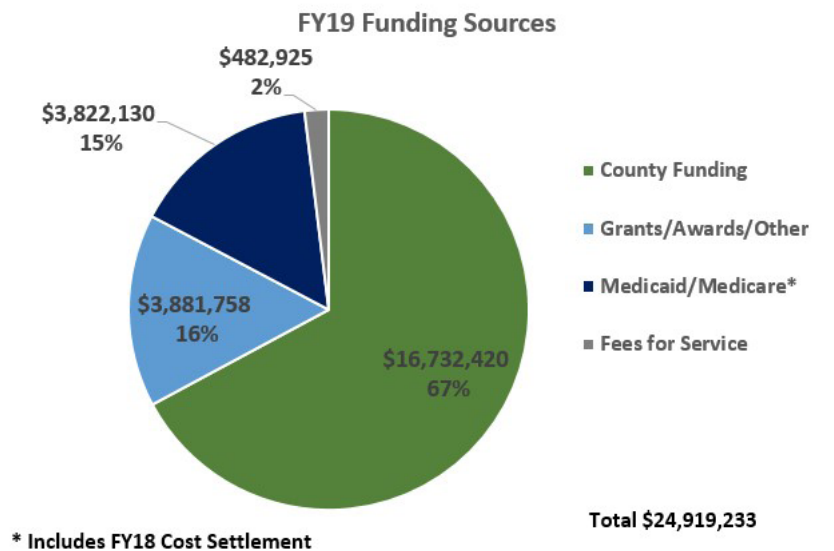
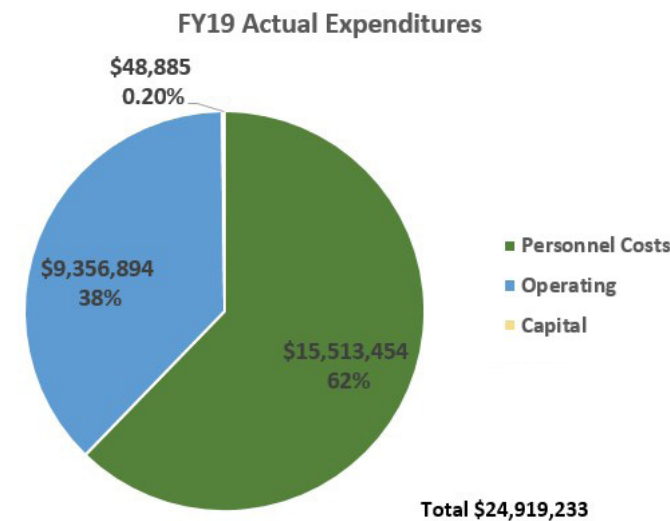
Treated **136**
new North Carolinians

The Refugee Health Clinic provided medical screening, vaccinations, and referrals for 136 clients. This clinic collaborates with Church World Services, World Relief, and the State Refugee Health Coordinator to provide communicable disease screenings and immunizations to refugees.

Financials

FY19 Actual Expenditures	
Personnel Costs	\$15,513,454
Operating	\$9,356,894
Capital	\$48,885
Total	\$24,919,233

FY19 Funding Sources	
County Funding	\$16,732,420
Grants/Awards/Other	\$3,881,758
Medicaid/Medicare	\$3,882,130
Fees for Service	\$482,925
Total	\$24,919,233





Public Health



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