

# New Haven Health Department 2011 Annual Report



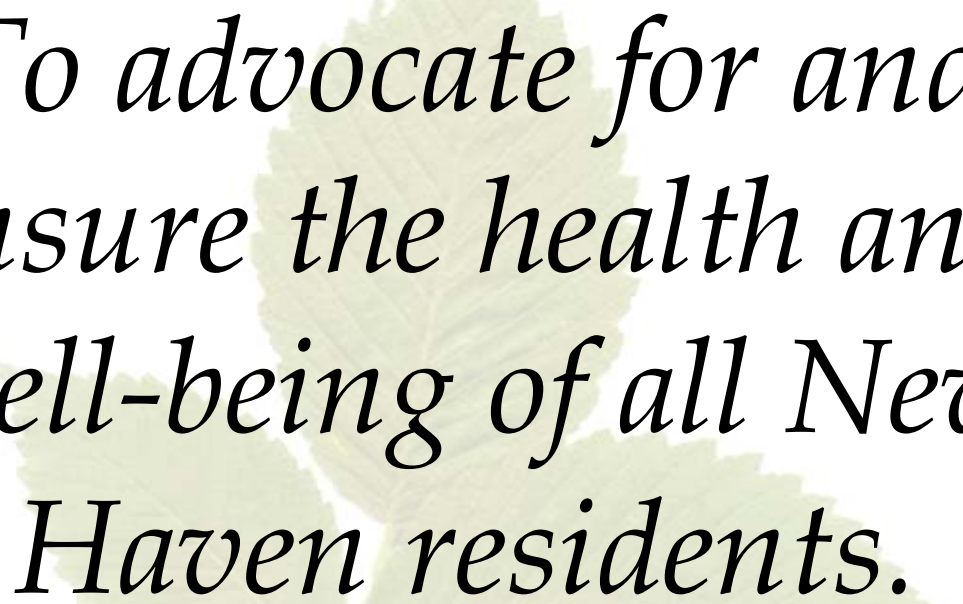
**John DeStefano, Jr.**  
Mayor

**Dr. Mario Garcia, MPH**  
Director of Public Health

*Ensuring the health and well-being of all New Haven residents.*

## NEW HAVEN HEALTH DEPARTMENT MISSION

*To advocate for and  
ensure the health and  
well-being of all New  
Haven residents.*



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# New Haven Health Department Program Structure - 2011

Office of Director of Public Health					
Public Health Emergency Preparedness Program					
Community Health		Environmental & Regulatory Services	Health Information Services	Public Health Nursing	Preventive Medicine Services
<b>Maternal and Child Health</b>	<b>Health Programs</b>	Food Safety Licensing and Inspections	Vital Statistics	School Health	STD Clinic
HUSKY Enrollment	Nutrition Unhealthy Weight Grocery Stores	Public Health Code Enforcement	Communicable Disease Surveillance	Immunization Surveillance	Lab Services
Healthy Start	Substance Abuse Tobacco, Alcohol	Recreational Water Quality	Chronic Disease Epidemiology	Oral Health	Immunization Clinic
Nurturing Families Network	Injury Prevention & Violence Reduction	Consumer Protection	Public Health Communications	Asthma	Tuberculosis Prevention and Control
Breastfeeding	AIDS Prevention Ryan White Syringe Exchange	Healthy Homes			

# Letter from the Director of Public Health

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**Dear Fellow Elm City Resident:**

The New Haven Health Department staff is proud to continue a tradition of fulfilling and assuring the interest of City residents to have conditions in which people can be healthy. Over the last year, the various programs in the Department tracked and monitored trends of communicable diseases, ensured the safety of the food delivery system, continued educating the public on health issues, assisted parents and children at high risk, and prepared for and responded to disease outbreaks and emergencies. This past year, the Health Department also aligned efforts with the City priorities around school reform by both strengthening the organization and delivery of nursing services and focusing on projects such as asthma control and improved nutrition, which ensure students are

healthy and fit to obtain academic success.

As the practice of public health has shifted over the years to focus on prevention of chronic diseases, the Department strives to structure its organization and programs to address newer challenges such as health inequities and the increasing burden of chronic disease risk factors. To address disparities in health outcomes, the New Haven Health Department is embracing a form of public health practice, which questions traditional thinking and prevailing assumptions. While the agency maintains a service-oriented mission, the Department has also sought to enhance its capacity to process local health information and to attract resources from government and private funding agencies.

The Health Department, as many other health authorities across the nation, is carefully tracking the developments associated with the implementation of the Affordable Care Act. With the enactment of this law came the creation of the most substantial effort in a long time to fund Public Health infrastructure, community-based health programs and prevention initiatives. This includes the creation of the largest ever Prevention and Public Health Fund and the issuing of the first National Prevention Strategy, which offers an unprecedented opportunity to build up the necessary local infrastructure for carrying out comprehensive public health functions. The New Haven Health Department continues building partnerships to access those resources and to enhance municipal capacity to reduce health disparities and promote conditions for a healthier City.

A handwritten signature in black ink, appearing to read 'Mario Garcia', with a stylized flourish underneath.

Mario Garcia, MD, M.Sc. MPH  
Director of Public Health

# 2011 HEALTH DEPARTMENT HIGHLIGHTS

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	Budget	Staff
General Funds	\$3,075,491	56
Special Funds	\$15,911,601	32
Fees Revenue	\$900,000	N/A

## BUREAU OF PUBLIC HEALTH NURSING

- The Bureau provided school health nursing services for approximately 20,000 pre-kindergarten through twelfth graders at 50 public and non-public school sites in New Haven. Of those students enrolled in the New Haven school system, 5,909 have at least one identified health problem.

## ASTHMA

- The mission of the Asthma Initiative is to reduce associated morbidity and mortality, reduce the number of lost days of work and absenteeism at school, and improve quality of life for people with asthma in New Haven.
- The Asthma Initiative has provided 100-200 people with asthma management supplies, as well as funded educational outreach to hundreds of City residents annually.

## BUREAU OF ENVIRONMENTAL HEALTH

- The Bureau of Environmental Health held its Eleventh Annual Lead Awareness Picnic in the carousel building on June 12, 2011 at Lighthouse Point Park. The event drew over 450 participants.
- The Bureau's fourth U.S. Department of Housing and Urban Development (HUD) Lead Hazard Control Grant which began on January 1, 2009, ended on December 31, 2011. Through this program over 234 privately owned housing units were lead abated with the \$2,000,000 in federal funds made available as deferred forgivable loans.

## CONSUMER PROTECTION – WEIGHTS AND MEASURES

- The Weights and Measures staff inspected 417 small capacity scales, 21 large capacity scales, 378 gas meters and 2 taxi meters.
- The total 2011 revenue produced by the staff was \$32,122.

## MATERNAL AND CHILD HEALTH DIVISION

- In fiscal year 2011, the MCH Division's HUSKY Program enrolled 989 pregnant or postpartum women and 759 children. One thousand two hundred thirty seven (1,237) clients were identified as self-pay or uninsured.
- The Division's Nurturing Families Network (NFN) Program served 49 families in FY 2010-2011, including 59 children, completed 725 home visits, and conducted group sessions during which 18 families with 27 children participated.

## HEALTH PROGRAMS DIVISION

- The Health Department continued its partnership with Yale University's CARE Program and other community organizations to implement the Healthy Corner Store Initiative. The Initiative was launched in the spring of 2011, with 4 stores selected to participate.
- For the sixth consecutive year, Health Department staff co-led Safe Kids Greater New Haven with Quinnipiac University's Occupational Therapy Department. "Safe Kids" is a worldwide organization dedicated to reducing unintentional injury and death among children under the age of 15.

- Ryan White Part A was awarded more than \$7 million in 2011 to provide care services in New Haven and Fairfield counties. The Program provided services to 3,482 people living with HIV/AIDS in the region, of which 863 were New Haven residents.
- The Health Programs Division secured an additional three years of funding for the Syringe Exchange Program from the CT Department of Public Health.
- HIV Prevention staff distributed 36,934 syringes, provided 29 injection drug users with access to substance abuse treatment facilities, tested 279 individuals for HIV, and recruited 336 individuals to participate in the effective behavioral interventions, Safety Counts and Voices/Voces.

#### **HEALTH INFORMATION SERVICES: EPIDEMIOLOGY**

- As part of the Health Equity Alliance and Health Matters!, Epidemiology led the development of a report on the public health impact of obesity in New Haven.
- Epidemiology participated in the development of a Community Health Needs Assessment and Health Improvement Planning process for New Haven in collaboration with Yale New Haven Hospital, Hospital of Saint Raphael, Yale School of Public Health, the New Haven Federally Qualified Health Clinics and DataHaven.

#### **HEALTH INFORMATION SERVICES: VITAL STATISTICS**

- The Office of Vital Statistics preserves and records all births, deaths, civil unions and marriages that occur in New Haven or occur outside of the City to New Haven residents.
- In 2011, a total of 37,605 records were issued by the Office of Vital Statistics, including 1,298 marriage licenses, 10,888 certificates of death, and 17,148 certificates of birth, for a total revenue of \$694,685.

#### **PREVENTIVE MEDICINE**

- The Health Department distributed more than 400 seasonal flu vaccines at sites throughout the community, including Senior Citizens Centers, City Hall, Ecuadorian Consulate, and the Health Department clinic.
- The STD Clinic saw a total of 910 patients, diagnosed 34 cases of gonorrhea and 98 cases of Chlamydia, conducted 746 Syphilis tests, and tested 824 individuals for HIV/AIDS.

#### **OFFICE OF EMERGENCY PREPAREDNESS**

- The Health Department staff distributed public health information; delivered food, water and ice to citizens in need; and inspected and monitored food establishments to ensure food safety as part of the Tropical Hurricane Irene response.
- The Office conducted a regional, full-scale exercise entitled “Rad-X.” The goal of the initiative was to give appropriate antibiotic prophylaxis to critical staff of local government, community institutions, and their families, quickly enough upon recognition of a confirmed anthrax attack to protect responders and to off-set the number of people who will be asked to come to the public point of dispensing site. This exercise demonstrated the Health Department can distribute and dispense medications in a timely manner and communicate effectively within established City and State communication channels.



# HEALTHMATTERS! ENVISIONING A HEALTHY CITY

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Health is impacted by more than individual behaviors and environmental factors; it is also impacted by social conditions, such as education, transportation, employment, and housing. These conditions are known as the “social determinants of health.” The inclusion of social determinants of health acknowledges that where people live, learn, work, and play has a significant impact on their health. The Department has incorporated this broader, more inclusive definition of health into its work in an effort to reduce disparities and improve the City’s overall health.

## HEALTHMATTERS!

In 2009, the Health Department launched the Health Equity Alliance (HEA) to focus on the underlying causes of health



disparities in New Haven, with the overarching goal of assuring all community members have an equal opportunity to experience optimal health. The HEA was established as a two year project, which completed in 2011. As a result of the HEA, the City of New Haven established the ongoing initiative **HealthMatters!** – an initiative to improve the City’s health status with the ultimate goal of making New Haven one of the healthiest cities in the Nation. HealthMatters! has representation from a

wide spectrum of community organizations and agencies that meet monthly to help chart a course towards healthier communities. The initiative’s three aims are:

- 1) Change the way we talk about health;
- 2) Leverage existing health promoting initiatives for greater impact; and
- 3) Create and support policy that promotes a healthier community.

## VISIONING A HEALTHIER NEW HAVEN

HealthMatters! in collaboration with the HEA, held a community-wide conference titled “HealthMatters: Visioning a Healthier New Haven.” The conference included a keynote speech from Amanda Navarro, MPH, of PolicyLink, Inc., panel presentations on childhood obesity and community safety, and the debut of the film “Visions of a Healthier New Haven.” The conference was well attended and began the process of charting the course for New Haven to become one of the Nation’s healthiest cities.

## LOOKING AHEAD...

The Health Department will continue to work towards a healthier New Haven through implementation of health programs. Future activities include, but are not limited to, the collaboration with community healthcare providers to implement a community health assessment, the release of a policy brief regarding obesity in New Haven, and the implementation of smoke-free rental policies.



# PUBLIC HEALTH NURSING

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The Bureau of Nursing is committed to ensuring an optimal level of wellness for a culturally diverse urban community by promoting and encouraging a healthy lifestyle for its residents. Through the delivery of health care services, education and counseling, and partnership with municipal agencies and community organizations, the Bureau identifies and assesses school and community needs to promote safety and disease prevention.

## **SCHOOL HEALTH SERVICES**

A student's health status is directly related to his or her ability to learn. Children with unmet health needs have a difficult time engaging in the educational process. The Bureau provides school health nursing services for more than 20,000 pre-kindergarten through twelfth graders at 50 public and non-public school sites in New Haven, ensuring health-related barriers to learning are addressed. The Public Health Nursing Director oversees the Bureau staff, which includes 29 Public Health Nurses assigned to school sites throughout the City, a Pediatric Nurse Practitioner assigned to the Katherine Brennan School-Based Clinic, and a Clinic Charge Nurse responsible for various Health Department clinics. The Bureau also has an Audiometrist who performs State mandated hearing screenings for students. The Bureau partners with the Cornell Scott Hill Health Center, a locally federally qualified health

center, which provides a staff physician to serve as the School District Medical Advisor.

The Bureau provides a variety of school health services, including, but not limited to:

- Immunizations and physical exam compliance tracking;
- Vision and hearing screenings;
- First aid (trauma, allergies);
- Diagnosis & treatment of illness & injuries;
- Medication dispensing; and
- Individualized health care plans development.

In addition to the services provided directly by staff, the Bureau partners with the Helen Keller Worldwide ChildSight® Program to conduct vision screening and provide eyeglasses to middle school students.

## **THE CHILDREN'S CLINIC**

The Children's Clinic is held Tuesdays and Thursdays the first few weeks of the school year at the Department. Physical exams and immunizations are provided to students enrolled in New Haven schools.

## **PROTECTING AGAINST CHILDHOOD DISEASES**

In order to assure children remain up-to-date with their immunizations and that their vaccination records are available when they need them, the Connecticut Legislature authorized the State Department of Public Health to establish a confidential computerized registry of preschool-aged children and their immunization records. Immunization coverage reports are generated for all CT pediatric practices based on a child's immunization status on

their 2<sup>nd</sup> birthday. Children born in 2008 are tracked through 2010 and the data are verified and reported in 2011. From the 2008 birth cohort, 1,865 New Haven area children were enrolled in the Connecticut Immunizations Registry and Tracking System (CIRTS) Registry.

Maternal and child health immunizations rates for the 2008 birth cohort were 78%. Parents may obtain a copy of their child's immunization history by calling (203) 946-7097 or the State Immunization Program, Department of Public Health at (860) 509-7929. Proper identification is required.

#### **EDUCATIONAL OPPORTUNITIES**

The Bureau is committed to educating the next generation of public health professionals. Through an affiliation agreement with both Southern Connecticut State University and the Yale School of Nursing, senior nursing students take part in electives and mentorship programs.

## Prevalence of Student Health Problems, New Haven Schools, 2010 – 2011

Health Problems	Grades K-8	Middle School	High School	Parochial	All
Allergy - Bee	25	2	14	0	41
Allergy - Food (life threatening)	216	22	85	30	353
Allergy - Latex/Environmental	193	31	57	19	300
Allergy - Tree Nuts	85	8	20	15	128
Allergy - Peanuts	153	15	33	16	217
Allergy - Medication	123	21	69	10	223
Arthritis	4	1	4	0	9
Asthma	2,272	160	578	90	3,100
Autism Spectrum Disorders	120	12	53	0	185
ADHD / ADD	322	50	118	6	496
Depression	23	9	38	0	70
Eating Disorders	26	9	15	0	50
Other Behavioral / Emotional	128	16	44	0	188
Hemophilia	7	0	0	0	7
Sickle Cell Trait	49	7	16	0	72
Other Blood Dyscrasias	53	3	17	1	74
Cancer	5	0	5	0	10
Cardiac Conditions	75	7	33	0	115
Cerebral Palsy	17	1	18	3	39
Developmental Delays	162	14	27	1	204
Diabetes Type I	24	3	14	0	41
Diabetes Type II	8	2	18	1	29
Lyme Disease	1	0	2	2	5
Migraine Headaches	66	14	26	3	109
Neurological Impairment	73	13	41	1	128
Other Health Impairment	226	43	59	0	328
Oral Health Needs	48	1	6	0	55
Orthopedic Impairment	51	6	25	6	88
Seizure Disorder	101	7	39	2	149
Speech Defects	263	17	21	2	303
Severe Vision Impairment	70	3	30	12	115
Severe Hearing Impairment	58	5	20	5	88
Spina Bifida	8	0	7	0	15
<b>Total Health Problems</b>	<b>5,055</b>	<b>502</b>	<b>1,574</b>	<b>225</b>	<b>7,356</b>
<b>Total Students with at least one</b>	<b>4,050</b>	<b>424</b>	<b>1,247</b>	<b>188</b>	<b>5,909</b>
<b>TOTAL # STUDENT IN DISTRICT</b>	<b>13,539</b>	<b>977</b>	<b>5,251</b>	<b>782</b>	<b>20,549</b>

## Students on Medications in School, New Haven Schools, 2010 - 2011

Medication	Grades K-8	Middle School	High School	Parochial	All
# PRN Meds (i.e., Tylenol, Benadryl)	222	37	118	21	398
# Asthmatic PRN Nebulizers	66	0	2	1	69
# Asthmatic PRN Inhalers	1,105	68	124	50	1,347
# Daily Meds	78	7	13	5	103
# Diabetic Insulin Injections	6	0	9	0	15
# Insulin Pumps	7	2	6	0	15
# Diabetic PRN	28	4	12	1	45
# Epi-Pens	238	18	41	26	323
<b>TOTAL</b>	<b>1,750</b>	<b>136</b>	<b>325</b>	<b>104</b>	<b>2,315</b>

# COMBATING ASTHMA IN NEW HAVEN

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Asthma is a continuing challenge in New Haven. The prevalence of asthma in New Haven is not substantially higher than statewide average; however, New Haven, along with other large CT cities, has among the highest incidence of hospital admission and Emergency Department visits for asthma in the state. In addition, the likelihood of asthma triggers in New Haven homes is substantially increased due to approximately 82% of housing units being constructed prior to 1979. This is indicative of the importance of controlling asthma triggers and enhancing asthma management within the City.

## **ASTHMA INITIATIVE**

The mission of the Health Department's Asthma Initiative is to reduce associated morbidity and mortality, reduce the number of lost days of work and absenteeism at school, and improve quality of life for people with asthma in New Haven. This effort includes: outreach and education, collaboration through the Greater New Haven Regional Asthma Initiative, and direct services through the Triggers Be Gone program.

## **COMMUNITY EDUCATION**

The Asthma Initiative performs extensive community educational outreach to agencies, schools, and others concerning

asthma and its causes, environmental triggers and treatment.

## **GREATER NEW HAVEN REGIONAL ASTHMA INITIATIVE**

The Health Department participates in the Greater New Haven Regional Asthma Initiative to coordinate asthma-related activities. The Initiative includes representatives from local health care agencies, regional health departments, Medicaid managed care organizations, and the American Lung Association.

## **TRIGGERS BE GONE**

Triggers Be Gone provides in home asthma education and triggers identification during home visits for the low income and uninsured families residing in New Haven. In addition, it provides asthma self-management and home environmental control supplies, including medication delivery devices, air purifiers, mattress and pillow covers, dust cloths, and hypoallergenic cleaning solution. Working with school nurses and medical offices in the community, the program receives client referrals. Through these referrals the program maintains a database of baseline information regarding asthma management. The program is collaborating with the Department's Bureau of Environmental Health on the Green and Healthy Homes initiative.

### **ASTHMA INITIATIVE FUNDING**

For the past four years, the program has functioned with grant funding from Yale New Haven Hospital and the Community Development Block Grant. These funds have provided 100-200 people with asthma management supplies, as well as funded educational outreach to hundreds of City residents annually. Additional support is provided from the Department's Bureau of Environmental Health and the Maternal and Child Health Division.

### **ADDITIONAL ASTHMA EFFORTS**

**Early Intervention/Head Start.** The Health Department has a partnership agreement with the Head Start program. This allows the Department to reinforce asthma education and provide targeted programming for parents of children with asthma in the Head Start program.

#### **Outreach to Health Care Providers.**

Reference tools for providers were developed regarding the services and equipment covered by the Medicaid managed care organizations. Contact was made concerning their ability to refer patients for home supplies, to promote use of Asthma Action Plans, and the Asthma Initiative program's availability to provide asthma education.

The Asthma Coordinator works closely with the Health Department's school nurses to link children to the appropriate resources.

**Coordination.** *Easy Breathing Project* is a project aimed at increasing the use of asthma action plans by providers. *ERICCA Project* is a collaborative effort with Yale University to develop better electronic communication between providers in asthma care. The Triggers Be Gone referral form is a part of Yale's Electronic Medical Record.

# ENVIRONMENTAL HEALTH

The Bureau of Environmental Health maintains as its principal goal the preservation and protection of the environmental quality of the City of New Haven. Staff utilize and enforce applicable sections of the State Public Health Code, State Statutes, and Municipal Ordinances; license and inspect food service establishments; resolve cases of childhood lead poisoning; provide educational outreach activities and assist with distribution of federal lead abatement funds to prevent lead poisoning; investigate and resolve public health nuisances and infractions of applicable statutes and/or ordinances; monitor water quality of public swimming pools and beach water; and inspect schools, daycare centers, senior centers and summer lunch feeding sites. Staff also assist in preparing for and responding to public health emergencies.



Bureau of Environmental Health Staff

## FUNDING

Funding for the Bureau is derived from various sources, including grants from the state and federal governments in addition to the City of New Haven's general fund. The Bureau is currently comprised of fourteen full and part-time employees. Throughout the year interns from colleges and local high schools assist the Bureau.

## INSPECTIONS

A total of 1,692 inspections and re-inspections were performed in 2011 upon the 1,064 food service establishments operating within the City of New Haven. Of these inspections, 162 indicated a failing score which necessitated corrective action and re-inspections by staff.

### Licensed Food Establishments, New Haven, 2011

Type	#	%
Restaurant	448	42.0
Café	80	7.0
Institution	61	6.0
School	63	6.0
Caterer	30	3.0
Itinerant vendor	192	18.0
Retail store	149	14.0
Market	8	1.0
Bakery	23	2.0
Processing plant	10	1.0
<b>Total</b>	<b>1064</b>	<b>100</b>

## WEST NILE VIRUS PREVENTION

Time and resources were devoted to the City's response to West Nile Virus. For several years, plans have been instituted by a host of involved parties to reduce mosquito

breeding within the City, to educate the public, and to monitor the spread of the virus. In 2011, 229 pools consisting of 3,780 mosquitoes were trapped within Beaver Pond Park by researchers from the Connecticut Agricultural Experiment Station. Seven mosquito pools were positive for the West Nile Virus and one pool of *Anopheles punctipennis* was positive for Jamestown Canyon virus. The predominant mosquitoes trapped at this site were of the species *Coquillettidia perturbans*, *Culex pipiens*, *Culex restuans*, *Culex salinarius* and *Aedes vexans*. The pools positive for West Nile Virus were from two species (*C. pipiens*, and *C. salinarius*) and were trapped between August 9<sup>th</sup> and September 13<sup>th</sup>. The Jamestown Canyon isolate was collected on June 27<sup>th</sup>.

Certified pesticide applicators from the City's Department of Public Works place Altosid<sup>®</sup> XR 150 day Extended Residual Briquettes into City-owned catch basins which are prone to contain standing water. Although there are approximately 7,000 catch basins on public property within the City, this year roughly 1,389 contained standing water and therefore were treated with a larvicidal agent, some more than once.

### **WATER QUALITY**

The water quality at Lighthouse Point Park, the only public beach within the City, was monitored throughout the summer. The majority of water samples secured from

Lighthouse Point Park, in addition to Fort Hale Park (another local beach area) were found to be of suitable quality for swimming. However, on four different occasions for a total of fourteen days this swimming season, Lighthouse Beach was closed for public bathing. The closure dates were as follows: June 2<sup>nd</sup> to June 6<sup>th</sup>, June 12<sup>th</sup> to June 13<sup>th</sup>, August 29<sup>th</sup> to September 3<sup>rd</sup> and September 5<sup>th</sup>. All closures except for September 5<sup>th</sup> were due to high bacterial counts. The beach closure on September 5<sup>th</sup> was due to the presence of storm related debris on the beach. August 29<sup>th</sup> to September 3<sup>rd</sup> high bacterial counts were due to Tropical Storm Irene.

### **LEAD-BASED PAINT HAZARD CONTROL**

The City fits the general profile of a jurisdiction with a high level of risk for exposure to lead-based paint by young children. Within the city, 32% of the 10,431 children under the age of 6 years live below the poverty level and 64% of all families earn below 80% of the Area Median Income of \$35,122 with 44% at or below 50% of the Area Median Income, according to 2009 American Survey estimates published by the U.S. Bureau of the Census and early release 2010 Census data. New Haven ranks second in Connecticut for the most children in poverty, with 12% of the State's children living in poverty residing in New Haven. There is an old housing stock: approximately 80% of all housing units were constructed



before 1978, with a median year of construction of 1943 for all housing units. There is a significant low income rental population: 86% of renters living below the poverty level live in structures built before 1978. There are 42,034 pre-1978 housing units with 17,445 units built prior to 1940.

The Bureau was awarded its fourth round of Lead-Based Paint Hazard Control funding from the U.S. Department of Housing and Urban Development (HUD) on January 1, 2009, which concluded on December 31, 2011. During this three year funding period, over 234 privately owned housing units were lead abated and 219 of these units were renovated to meet Green and Healthy Homes standards established by HUD. The Lead-Based Paint Hazard Control Program, as designed, addresses the needs of the City's distressed and aging housing stock and the physical well-being of its youth.



Children participating in the Bureau of Environmental Health's annual educational outreach event at Lighthouse Point Park.

The program addressed two important sectors of the local housing stock:  
(1) \$1,000,000 in deferred forgivable loans

were utilized to assist owners of occupied units requiring full abatement due to the presence of a child with elevated blood lead levels, and (2) \$800,000 in deferred forgivable loans were utilized to assist in the creation of lead-safe housing through rehabilitation of vacant buildings needing lead hazard reduction prior to occupancy by non-profit and/or faith-based housing developers creating affordable units. A Special Considerations Fund (\$200,000) was set aside to assist owners of occupied or vacant buildings being returned to use where there were extraordinary costs to abate or reduce hazards. The request balance (\$1,000,000) provided funds to support community outreach and education, lead testing and abatement specifications, and to staff and implement the program for a three year period.

New Haven's Lead-Based Paint Hazard Control Program is a collaborative partnership consisting of two municipal departments, the Health Department and the Livable City Initiative (LCI), and the Yale/New Haven Lead Program & Regional Treatment Center. Each partner provides services and oversight specific to their field of expertise and municipal responsibility.

Thus far, with four rounds of HUD funding totaling \$11,750,000 since 1995, over 1,099 housing units have been lead abated. Eight hundred and twenty-nine (829) of these units reached Green and Healthy Homes

standards regarding health and safety issues in addition to weatherization and energy efficient appliances and furnaces.

The Bureau has reapplied for additional HUD Lead Hazard Control funding. As the Bureau’s current program exceeded all performance benchmarks and New Haven continues to present a need for such federal assistance, the Bureau is optimistic of a positive response.

**Lead Poisoning in Children 6 Years of Age and Under, New Haven, 2002-2010**

Year	Children Tested	Lead poisoned *	
	N	N	%
2002	6,325	448	7.1
2003	6,123	359	5.9
2004	5,769	385	6.7
2005	5,004	332	6.6
2006	5,138	299	5.8
2007	4,791	247	5.2
2008	5,017	259	5.2
2009	4,627	194	4.2
2010	4,522	185	4.1

\*Blood lead level  $\geq 10\mu\text{g}/\text{dL}$

Note: 2011 data not available at time of publication

There has been a decreasing trend in the number of children reported to the Health Department with elevated lead levels in their blood. From 2002 to 2010, the City has experienced a 41% reduction. Despite the decline, New Haven reports the most lead poisoned children of all Connecticut cities. The Bureau of Environmental Health maintains a website [Newhavenlead.com](http://Newhavenlead.com) to assist with efforts in reducing the number of lead poisoned children in New Haven.

## EDUCATIONAL OUTREACH



As in prior years, the Bureau celebrated the legacy of Dr. Martin Luther King, Jr. by participating in a January event to promote environmental justice. The event was co-sponsored by Yale University and the State of Connecticut Department of Environmental Protection. Held at the Peabody Museum of Natural History at Yale University, the event was well attended by hundreds of families. Bureau staff distributed lead poisoning prevention literature and “give away” items stressing the “Lead Free is Best for Me” message.

With resources provided by the public relations firm of Burson-Marsteller (and previously by Hill & Knowlton), the Bureau of Environmental Health has greatly enhanced its educational outreach efforts. Funding provided by Benjamin Moore Paint Company has enabled the firm of Burson-Marsteller to train and provide Bureau staff with interactive educational presentations designed for various venue sites. An artistically designed presentation booth equipped with a television/video cassette

recorder and various “give away” items such as t-shirts, pens, sponges, soaps, frisbees and reading materials related to lead poisoning prevention have been created to attract and educate participants.

The lead poisoning prevention educational campaign has been an overwhelming success. During the year, over 19,000 people visited the “booth” at schools, neighborhood events, community health fairs, church picnics, and day care centers in addition to events sponsored by the Bureau at Lighthouse Point Park, as well as the “Don’t Spread the Lead” campaign held within hardware stores. Media coverage

(both print and electronic) has also been extensively utilized this year to spread the lead poisoning prevention message. Radio broadcasts, including a radio public service announcement read by Mayor John DeStefano, Jr. and Alderman Jorge Perez (who read the message in Spanish), television coverage, and newspaper articles appeared throughout the year to bolster the Bureau’s campaign. The radio announcements, which aired daily during the months of October, November, and December on two radio stations serving the greater New Haven area in addition to a listing of other radio stations, reached over one million listeners.

### Bureau of Environmental Health Educational Outreach



## Childhood Lead Poisoning Investigations by Neighborhood, New Haven, 2005 - 2011

Neighborhood	Tract	2005	2006	2007	2008	2009*	2010*	2011*
Amity	12	1	3	0	2	4	3	2
Annex	27	1	3	4	1	0	2	3
Beaver Hill	14	5	8	6	7	3	9	2
Dixwell	16	2	6	6	3	1	4	0
Downtown	1	1	0	0	0	0	0	0
Downtown	17	0	0	0	0	0	0	0
Dwight	7	6	9	6	5	2	2	3
East Rock	19	1	1	1	0	3	4	4
East Rock	20	0	0	1	2	1	1	0
Edgewood	9	14	9	24	3	3	4	7
Fair Haven	23	9	14	2	9	8	10	5
Fair Haven	24	8	8	9	5	6	13	7
Fair Haven	25	4	4	4	4	4	5	8
Fair Haven Heights/Quinnipiac Meadows	26	2	8	4	2	3	4	2
Hill	3	3	5	6	2	6	4	4
Hill	4	5	5	4	2	3	7	4
Hill	5	6	5	5	9	9	1	4
Hill	6	3	5	9	8	3	6	5
Long Wharf	2	0	1	0	2	0	0	0
Morris Cove	28	0	0	1	0	0	1	0
Newhallville	15	18	13	7	6	3	5	10
Prospect Hill	18	6	4	1	5	1	1	1
West River	8	5	10	4	9	7	5	4
West Rock	13	2	0	2	0	1	0	2
Westville	10	0	0	1	1	3	5	3
Westville	11	0	0	0	0	0	0	0
Wooster Square	21	0	0	0	1	2	2	2
Wooster Square	22	1	0	0	0	0	0	0
<b>Total</b>	<b>---</b>	<b>103</b>	<b>121</b>	<b>107</b>	<b>88</b>	<b>76</b>	<b>98</b>	<b>82</b>

Note: An investigation may be initiated if a child is found to have a blood lead level of 20µ/dL or greater (after 2008 ≥ 15 µg/dL) or requested by parent/caregiver

\* In 2009, 2010 and 2011 values reflect venipunctures ≥ 15 µg/dL.

# CONSUMER PROTECTION

Consumer Protection is an integral part of the Health Department's operations. The Bureau of Weights and Measures is mandated by the State of Connecticut, Connecticut State Statutes, Title 43-6, to test and inspect every weighing and measuring device in the City of New Haven, ensuring consumer protection in the City. Whether it is at the gasoline pump, riding in a taxicab, or doing laundry at a laundromat, the staff help ensure consumers are getting what they pay for in the City of New Haven and reducing the likelihood of fraud and misrepresentation of goods.

## DEVICE INSPECTION SUMMARY

Device Type	Total Inspected
Small Capacity Scales	417
Large Capacity Scales	21
Gas Meters	378
Taxi Meters	2

The following table outlines the Weights and Measures Division's 2011 activities.

Establishment	Number
Grocery stores/Laundromats/ Wholesale/ Shipping & Packing	183 establishments
Scales (small and large)	438 inspections, tests & rechecks
Gas Stations	35 establishments
Gas Meters	378 inspections, tests & rechecks
State Requests	39
Consumer Complaints	7
Federal Requests	0

## 2011 REVENUE

Gas Meters	
Amount Charged per Meter	\$45
Number of Meters	378
<b>Meter Total</b>	<b>\$17,010</b>
Scales	
Amount Charged per Scale	\$36
Number of Scales	438
Late Fees Collected	\$100
<b>Scale Total</b>	<b>\$15,868</b>
<b>Grand Total</b>	<b>\$32,878</b>



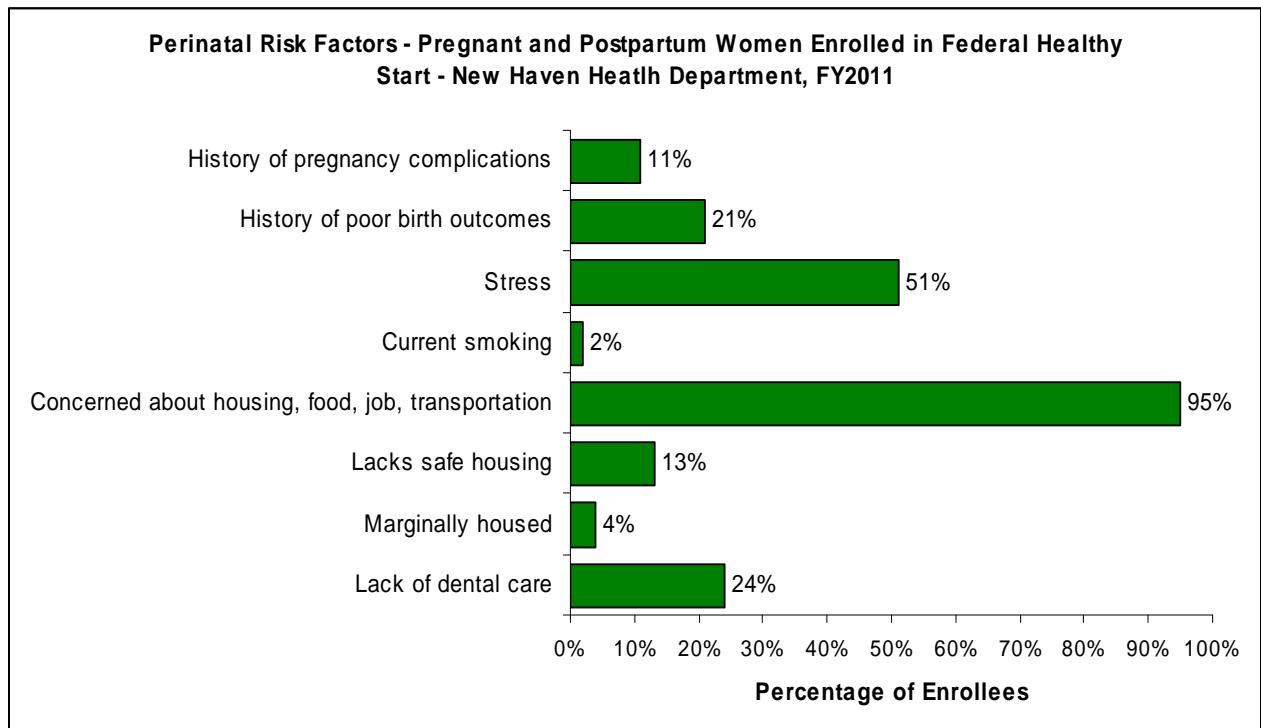
# MATERNAL AND CHILD HEALTH

Made up of fifteen outreach workers and supervisors, with an annual budget near \$900,000, the Health Department's Maternal and Child Health (MCH) Division is spearheading the movement to improve pregnancy outcomes, reduce the infant mortality rate and promote family health and well-being in the City of New Haven.

The MCH Division provides bicultural and bilingual community-based outreach and case management support for pregnant and parenting women and their families in order to successfully access health care and other support services. The Division works to ensure children are born as healthy as possible and parents are equipped with the necessary skills to raise their children in a supportive, nurturing, and safe environment.

In fiscal year 2011 (July 1, 2010 to June 30, 2011), the MCH Division's HUSKY Program enrolled 989 pregnant or postpartum women and 759 children. One thousand two hundred thirty seven (1,237) clients were identified as self-pay or uninsured. Twenty four percent (24%) of the clients enrolled in the Healthy Start Program reported a lack of dental care; 2% reported current tobacco use; 95% identified housing, food, job and transportation as concerns, up from 81% reported in 2010; and 51% reported stress as a major issue impacting their lives. Program participants ranged in age from 14 to 43 with the majority of births occurring to women between the ages of 20 to 34.

The Division continued to provide a free pertussis vaccination clinic and social



marketing campaign, “A Circle of Protection,” targeting immediate and extended family members to address the increase in cases of pertussis in newborns. The Division collaborated with the Yale School of Medicine’s Department of Psychiatry to implement the MOMS Project, a program to address perinatal depression and trauma. The goal of the project is to conduct a health assessment and strategic action and implementation plan to identify issues related to the mental health of pregnant and parenting women, and work with the New Haven Housing Authority.

### **STRENGTHENING FAMILIES AND PROTECTING CHILDREN**

The Division’s Nurturing Families Network (NFN) Program helps clients receive parenting, newborn care, and breastfeeding support, as well as connections to various community resources. In FY2011, it served 49 families, including 59 children, completed 725 home visits, and provided group sessions in which 18 families with 27 children participated. According to research conducted by the University of Hartford’s Center for Social Research, almost two-thirds of NFN mothers completed high school after two years in the home visiting program (an increase from about half at entry), and the proportion of mothers employed almost doubled, to about 50%. Fathers’ rates of high school completion also rose to about the same level as the mothers,

and the proportion of fathers employed full-time rose dramatically, from 15% at entry into the program to 38% two years later.

### **ACCESS TO HEALTH CARE FOR FAMILIES**

Access to health care continued to be a major focus in 2011. In New Haven, the Health Department serves as the South Central Connecticut Regional Administrator for the HUSKY Program providing assistance for pregnant women and their families applying for health insurance. HUSKY is Connecticut’s State Health Insurance Program. Clients receive short-term, limited care coordination, a comprehensive risk assessment, referrals and follow-up through a partnership administered by the Community Foundation for Greater New Haven’s Federal Healthy Start Initiative.



**For more information about MCH programs or HUSKY insurance application assistance, please call (203) 946-8187.**



# MATERNAL AND CHILD HEALTH PROGRAMS

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## **CONNECTICUT HEALTHY START, HUSKY INSURANCE APPLICATION ASSISTANCE**

A Connecticut Department of Social Services funded program that assists pregnant women and their families applying for health insurance. Clients receive short-term, limited care coordination, a comprehensive risk assessment, referrals and follow-up. The New Haven Health Department is the South Central Connecticut Regional HUSKY administrator.

## **CONNECTICUT HEALTHY START, MATERNAL AND NEWBORN OUTREACH SUPPORT (MANOS) PROGRAM**

A Connecticut Department of Social Services funded intensive case-management and home visiting program for pregnant women who are identified for being at risk for poor birth outcomes. Services include family re-unification, medical transportation, advocacy, referrals for employment, training and housing, behavioral health and substance abuse treatment.

## **NURTURING FAMILIES NETWORK (NFN)**

A Connecticut Children's Trust Fund, Department of Social Services funded program designed to promote positive parenting and reduce incidences of child maltreatment for high risk, first time parents. Components of the program include a focus on fathers (among the first in the nation), support groups (teen and co-ed), and weekly home visiting.

## **NEW HAVEN HEALTHY START**

A federally funded program administered by the Community Foundation for Greater New Haven to improve birth outcomes and reduce health inequities for African American women. Healthy Start begins with preconception counseling and includes prenatal, postpartum and infant care and targeted support services that address identified needs.



# HEALTH PROGRAMS

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The Health Department's Health Programs Division provides a variety of services including obesity prevention, unintentional injury prevention, and HIV/AIDS services. The goals of the Health Programs Division's services are to: 1) reduce the rate of unintentional injury, disability, obesity, chronic disease, and premature death among City residents, and 2) work to reduce the incidence of HIV through identification of new HIV/AIDS cases, linking individuals to medical and social support services, and promoting the adoption of risk reduction behaviors.

## OBESITY PREVENTION

The Health Department continued its partnership with Yale University's CARE Program and other community organizations to implement the Healthy Corner Store Initiative. The Initiative's goal is to improve residents' access to healthy foods by encouraging local corner stores to stock healthy food options.

The Initiative launched in the spring of 2011, with four stores selected to participate.

Adam's Deli, Clinton Food Centre, Congress Market, and the George St. Deli were chosen as the initial four stores based upon their proximity to schools and the store's level of interest. Each proprietor was provided with education, support, and regular follow-up contact to ensure

successful implementation. On-going evaluations are conducted to ensure to effectiveness. The Initiative will expand in 2012 to include additional stores.

## UNINTENTIONAL INJURY PREVENTION



The Health Programs staff continued to educate residents about child passenger and child residential safety. For the sixth consecutive year, the Health Education staff co-lead Safe Kids Greater New Haven with Quinnipiac University's Occupational Therapy Department. "Safe Kids" is a worldwide organization dedicated to reducing unintentional injury and death among children under the age of 15.

During 2011, Safety Kids Greater New Haven participated in the following events, with over 750 families served and more than 1,700 educational materials distributed:

- International Walk to School Day
- Environmental Health's Lead Safety Day
- Halloween Safety Presentations at Helen St. School and the Keefe Center
- Yale University's Youth Day Fair
- St. Andrew's Nursery School Fall Festival

- Ecuadorian Consulate’s Health Fair
- North Haven Fire Department’s Bicycle Helmet Fitting events
- Healthy Start Family Fun & Fitness Day
- New Haven Fire Department’s Fire Prevention Kick-off Event
- New Haven Employee Wellness Fair

### **RYAN WHITE PART A**

Ryan White Part A was awarded more than \$7 million in 2011 to provide care services in New Haven and Fairfield counties. This funding was distributed to 24 agencies which served a total of 3,482 unduplicated clients. Of the 1,504 people living with HIV/AIDS in New Haven, 863 received Ryan White Part A funded services, including 116 new clients. Ryan White Part A Services are mandated by the Federal Human Resources and Services Administration (HRSA). Seventy-five percent (75%) of all funding must go to “core” services (primary medical care, mental health, substance abuse treatment, medical case management, oral health, and health insurance) and 25% of funding is allocated to “support” services which must be linked to medical outcomes (medical transportation, outreach, emergency financial assistance, housing assistance, and food-bank home delivered meals).

### **HIV/AIDS PREVENTION SERVICES**

HIV prevention services are offered throughout the City. Relationships established with Emanuel Baptist Homeless Shelter and Christ Church Soup Kitchen enables the HIV/AIDS prevention services

to be provided at non-traditional venues. To further increase reach and program visibility, the Division recently purchased a 29-foot mobile outreach van with grant funding from the CT Department of Public Health. The van, which is partitioned to provide a private space for conducting rapid HIV testing, serves as the primary venue for the syringe exchange program.



During 2011, the program successfully:

- Secured an additional 3 years of funding for the Syringe Exchange Program from the CT Department of Public Health;
- Distributed 36,934 syringes;
- Provided 29 injection drug users with access to substance abuse treatment;
- Tested 279 individuals for HIV; and
- Recruited 336 individuals to participate in the effective behavioral interventions, Safety Counts and Voices/Voces.

### **CONNECTICUT HIV/AIDS IDENTIFICATION AND REFERRAL**

Division Staff participate in the Connecticut HIV/AIDS Identification and Referral Task Force which is working to improve Partner Notification Services, develop strategies to identify and test individuals at risk for contracting or transmitting HIV, and link HIV+ clients to medical and social support services.

## New Haven Residents Living with HIV/AIDS Receiving Ryan White Part A Services in 2011

	IDU		MSM		MSM/IDU		Heterosexual		Perinatal		Other/ Not Specified		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	% of Total
<b>TOTAL</b>	230	26.7%	111	12.9%	11	1.3%	327	37.9%	12	1.4%	172	19.9%	863	100.0%
<b>Gender</b>														
Male	167	33.1%	107	21.2%	11	2.2%	119	23.6%	3	0.6%	98	19.4%	505	58.5%
Female	63	17.9%	0	0.0%	0	0.0%	208	59.1%	9	2.6%	72	20.5%	352	40.8%
Transgender	0	0.0%	4	66.7%	0	0.0%	0	0.0%	0	0.0%	2	33.3%	6	0.7%
<b>Race/Ethnicity</b>														
White	39	33.6%	31	26.7%	2	1.7%	19	16.4%	0	0.0%	25	21.6%	116	13.4%
Black	124	25.3%	52	10.6%	6	1.2%	198	40.4%	8	1.6%	102	20.8%	490	56.8%
Hispanic	62	29.4%	21	10.0%	3	1.4%	94	44.5%	3	1.4%	28	13.3%	211	24.4%
Am. Indian/AK Native	0	0.0%	0	0.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%	1	0.1%
Asian	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.1%
> 1 Race	5	20.8%	2	8.3%	0	0.0%	13	54.2%	0	0.0%	4	16.7%	24	2.8%
Other/Unknown	0	0.0%	4	20.0%	0	0.0%	2	10.0%	1	5.0%	13	65.0%	20	2.3%
<b>Age</b>														
< 2	0	0.0%	0	0.0%	0	0.0%	1	100.0%	0	0.0%	0	0%	1	0.1%
2-12	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	34	100%	34	3.9%
13-24	1	2.4%	7	16.7%	0	0.0%	5	11.9%	9	21.4%	20	48%	42	4.9%
25-44	28	12.4%	47	20.9%	2	0.9%	120	53.3%	2	0.9%	26	12%	225	26.1%
45-64	196	36.6%	54	10.1%	9	1.7%	189	35.3%	1	0.2%	86	16%	535	62.0%
65+	5	19.2%	3	11.5%	0	0.0%	12	46.2%	0	0.0%	6	23%	26	3.0%

% = Row percentages, unless otherwise noted

IDU = Injecting Drug User

MSM = Men who have sex with men

Note: The above chart represents only New Haven residents living with HIV/AIDS who received services through Ryan White Part A. It does not represent the entire population of New Haven residents living with HIV/AIDS, which is discussed in the narrative.

### New Haven Residents Who Were New Ryan White Part A Clients in 2011

	N	%
<b>TOTAL</b>	<b>116</b>	<b>100</b>
<b>Gender</b>		
Male	51	44.0
Female	65	56.0
<b>Race/Ethnicity</b>		
White	11	9.5
Black	64	55.2
Hispanic	23	19.8
Am. Indian/Alaskan Native	1	0.9
More Than One Race	6	5.2
Not Specified	11	9.5
<b>Risk/Mode of Transmission</b>		
IDU	29	25.0
MSM	19	16.4
Heterosexual	47	40.5
Perinatal	1	0.9
Transfusion	1	0.9
Other/Not Specified	19	16.3

# EPIDEMIOLOGY

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The mission of Epidemiology is to provide the Health Department and the community at large with information for evidence-based public health action.

Epidemiology monitors data to assess the health of New Haven citizens and to identify potential health problems. For example, certain infectious diseases are reportable to the Department. These reports are reviewed to understand the extent and nature of these conditions and to identify potential outbreaks.

Epidemiology examines vital records to better understand the residents' health. Death certificates are reviewed weekly as part of the CDC 122 Cities influenza and pneumonia surveillance. Using death and birth certificate data, important community health indicators are examined including infant mortality, teenage pregnancy, and leading causes of death.

Epidemiology participates in the investigation and control of infectious diseases. For example, people with foodborne disease are interviewed to help prevent the spread of disease and identify potentially contaminated food items. In

2011, Epidemiology took the lead on tuberculosis contact investigations in New Haven.

In addition to routine monitoring, Epidemiology provides information on particular issues of public health concern in New Haven. In 2011, as part of the Health Equity Alliance and HealthMatters!, Epidemiology lead the development of a report on the public health impact of obesity in New Haven. Epidemiology also began a study of the development of obesity in a cohort of New Haven school children.

In 2011, Epidemiology participated in the development of a Community Health Needs Assessment and Health Improvement Planning process for New Haven in collaboration with Yale New Haven Hospital, Hospital of Saint Raphael, Yale School of Public Health, the New Haven Federally Qualified Health Clinics and DataHaven.

Finally, the monitoring and control of disease and injury are important aspects of public emergency disaster preparedness and response. Epidemiology provides technical assistance for emergency planning, exercises, and response.

Reported Communicable Diseases, New Haven, 2005 - 2011\*

	2005	2006	2007	2008	2009	2010	2011*
Chlamydia	1,405	1,421	1,460	1,572	1,505	1,419	1,531
Giardiasis	16	14	20	8	13	14	12
Gonorrhea	361	421	397	582	448	342	301
Hepatitis A	3	5	0	0	0	0	2
Hepatitis B (Acute)	5	2	3	3	1	5	3
Hepatitis B (Chronic)	20	34	24	40	43	23	34
Hepatitis C (Acute)	4	2	0	0	2	2	2
Hepatitis C (Chronic/Resolved)	191	187	168	170	126	119	130
Legionnaires' Disease	2	1	2	2	4	2	7
Measles	0	0	0	0	0	0	0
Meningococcal Disease	1	0	1	0	0	0	0
Mumps	0	0	0	0	0	3	0
Salmonellosis	14	21	22	22	21	19	21
Shigellosis	1	5	5	0	1	3	4
Syphilis (primary/secondary)	15	6	6	9	4	16	9
Tuberculosis	6	6	10	8	11	4	5
Whooping Cough (Pertussis)	4	3	4	1	0	1	0

\*2011 - Data provisional as of February 2012

NR = Not reportable

NA = Not available at time of report



### Chlamydia Laboratory Reports, New Haven Residents, 2011

Age	Female		Male		Total	
	N	%	N	%	N	%
0-9	1	0.1	0	0	1	0.1
10-14	20	1.8	3	0.7	23	1.5
15-19	443	39.8	126	30.1	569	37.2
20-24	404	36.3	141	33.7	545	35.6
25-29	143	12.8	79	18.9	222	14.5
30-34	49	4.4	26	6.2	75	4.9
35+	53	4.8	42	10.0	95	6.2
Unknown	0	0.0	1	0.2	1	0.1
<b>Total</b>	<b>1,113</b>	<b>100.0</b>	<b>418</b>	<b>100.0</b>	<b>1,531</b>	<b>100</b>

Race/Ethnicity	N	%
Black	794	51.9
Hispanic	237	15.5
White	87	5.7
Other	8	0.5
Unknown	405	26.5
<b>Total</b>	<b>1,531</b>	<b>100.0</b>

### Gonorrhea Laboratory Reports, New Haven Residents, 2011

Age	Female		Male		Total	
	N	%	N	%	N	%
0-14	4	2.5	3	2.2	7	2.3
15-19	60	36.8	24	17.4	84	27.9
20-24	50	30.7	45	32.6	95	31.6
25-29	30	18.4	29	21.0	59	19.6
30+	19	11.7	37	26.8	56	18.6
Unknown	0	0.0	0	0.0	0	0.0
<b>Total</b>	<b>163</b>	<b>100.0</b>	<b>138</b>	<b>100.0</b>	<b>301</b>	<b>100.0</b>

Race/Ethnicity	N	%
Black	200	66.4
Hispanic	20	6.6
White	14	4.7
Other	0	0.0
Unknown	67	22.3
<b>Total</b>	<b>301</b>	<b>100.0</b>

\* Data provisional as of February 2012



# VITAL STATISTICS

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The Department's Office of Vital Statistics preserves and records all births, deaths, civil unions and marriages that occur in the City of New Haven or that occur outside of the City to New Haven residents. Adoptions, legal changes of name, and amendments are also recorded.

Resident copies are sent to the cities and towns in Connecticut for those people who are not New Haven residents but had an event that occurred in New Haven.

Revenue from the Office is generated from the distribution of certified copies, permits and licenses to the public.

The Bureau has daily interaction with the public and a variety of federal, state, and local agencies that require information pertaining to vital records. Original records dating from 1649 are stored and maintained in the Bureau's vault. Computerized storage of files began in 2003.

## New Haven Vital Records Transactions and Revenue, 2011

Records Issued	Number	Total Charge
Marriage License	1,225	\$36,750
Marriage License Same Sex	73	\$2,190
Certificate of Marriage	2,151	\$42,980
Civil Union License	0	0
Certificate of Civil Union	0	0
Certificate of Death	10,888	\$217,760
Burial Permits	1,895	\$5,685
Certificate of Birth	17,148	\$342,840
Certificate of Birth Wallet	2,502	\$37,455
Disinterment Permits	8	\$24
Cremation Permits	700	\$2,100
Search Fee	0	0
Town Copies	1,015	\$6,901
<b>TOTAL</b>	<b>37,605</b>	<b>\$694,685</b>

# PREVENTIVE MEDICINE

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The goal of Preventive Medicine is to trace disease patterns and their origins. The objective is to avoid morbidity and mortality in New Haven residents by controlling and investigating communicable diseases known to threaten the public's health. Specific clinics are held to diagnose and treat diseases controllable by public health measures. The Department provides a central surveillance resource for information related to communicable disease.

The Health Department offers specialized clinics to provide information, prophylaxis and treatment related to flu protection, tuberculosis testing, STD screening, HIV counseling/testing and adult immunizations. The following are a summary of significant events in the past year.

## **H1N1 AND INFLUENZA**

The majority of the flu cases in the 2010-11 winter were the Seasonal Flu variety and the H1N1 strain was only a minor participant. However, H1N1 still continued to be included in the vaccine's strains to increase general immunity in the population. The Health Department distributed more than 400 seasonal flu vaccines at sites throughout the community, including Senior Citizens Centers, City Hall, Ecuadorian Consulate, and the Health Department clinic.

## **WEST NILE VIRUS**

West Nile Virus was detected in the region at the end of the summer season. Two individuals were diagnosed with the disease in September.

## **SEXUALLY TRANSMITTED DISEASES CLINIC**

In 2011, the STD Clinic saw a total of 910 patients. This was a decrease of 18% from the previous year's total.

**Gonorrhea and Chlamydia.** The clinic diagnosed 34 cases of gonorrhea and 98 cases of Chlamydia. Again, gonorrhea continues to be at one of the lowest levels for the past decade.

**HIV Counseling and Testing.** The STD Clinic continues offering individuals HIV counseling and testing. All patients entering the clinic received basic counseling regarding HIV prevention. This year 824 individuals agreed to testing (90.5% of clients). All of the testing used a Rapid Test reagent and the patients were able to receive the results during their clinic visit. Two (2) individuals tested positive for the HIV virus in the STD Clinic and they were given appropriate advice and follow-up referrals. The State Department of Public Health CARE Program has a satellite office in the clinic and counsels any individual who has had sexual contact with persons newly diagnosed with HIV infections.

Due to the complexity of analysis, most HIV/AIDS data is delayed by one year. At the end of 2010 (last reporting year), New Haven had 41 newly diagnosed cases of HIV/AIDS infection reported. Although the data is premature, at the end of 2011, 1,504 individuals were currently living in the City with HIV/AIDS. By the end of 2011, New Haven had 3,067 cumulative cases of HIV/AIDS since reporting started in 1982.

**Syphilis.** The clinic performed seven 746 syphilis tests. Twenty-eight (28) tests were initially positive and required confirmatory testing at the State. City-wide, nine (9) cases of primary and secondary syphilis were reported for 2011. This represents a 44% decrease from the previous year. Only three (3) cases of early latent syphilis were documented. All of the syphilis cases were in males having sex with males (MSMs). As with gonorrhea, the number of syphilis cases diagnosed in City residents is significantly low compared to prior years.

## TUBERCULOSIS

In 2011, the City documented five (5) cases of mycobacterium tuberculosis. This is a 16% reduction from the previous year. City-wide, tuberculosis continues to be at its lowest historical level, usually ranging from 6 to 11 cases. One individual has been identified as having a multi-drug resistant strain that has required long-term intravenous therapy besides oral drug treatment. In the USA, tuberculosis tends to occur in immigrant populations from countries with endemic tuberculosis and four of the five pulmonary cases were from foreign born individuals. One case was diagnosed outside of the City and transferred to care in the City. All of the cases were treated by a DOT protocol (Directly Observed Therapy) performed by a nurse.

# EMERGENCY PREPAREDNESS

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The Office of Emergency Preparedness works closely with the New Haven Emergency Operations Center to ensure the City of New Haven responds effectively to natural disasters, acts of terrorism, and other emergencies that could affect the public's health. This mission is achieved through planning, training, educating, and collaborating with local, regional, state, and community stakeholders.

## EMERGENCY PREPAREDNESS EXERCISES

In 2011, the Office strived to build relationships with private organizations and to improve capacity to deliver life-saving medication in the event of a public health emergency requiring such an intervention. Over the course of a year, the Office hosted planning meetings, seminars and workshops, which culminated in a regional, full-scale exercise entitled “Rad-X.” The goal of the initiative was to give appropriate antibiotic prophylaxis to critical staff of local government, community institutions, and their families, quickly enough upon recognition of a confirmed anthrax attack to protect responders and to off-set the number of people who will be asked to come to the public point of dispensing site. This exercise demonstrated that the Health Department can distribute and dispense medications in a timely manner and communicate effectively within established City and State communication channels.

## TROPICAL STORM IRENE RESPONSE

On August 28, 2011, Tropical Storm Irene hit the coast of Connecticut causing widespread power outages, flooding, fallen trees, and debris across New Haven. Health Department staff responded to the declared emergency as part of a robust response effort led by the City Emergency Manager out of the Emergency Operations Center. Department staff distributed public health information; delivered food, water and ice to citizens in need; and inspected and monitored food establishments to ensure food safety.

## EMERGENCY PREPAREDNESS ACTIVITIES

The Office undertook a number of activities to prepare for public health emergencies, including:

- Participating in a Technical Assistance Review. This annual review is performed with regional, state, and federal partners to identify strengths and weaknesses in the Department's plans to conduct mass dispensing.
- Working with community partners such as Cornell Scott-Hill and Fair Haven Health Centers, Yale University, and the Regional Water Authority to plan for mass dispensing.
- Working with City departments to plan for the dispensing of medications in response to a public health emergency in order to maintain critical government operations.

Other public health emergency preparedness activities included:

- Updating the Department's Emergency Response plan. The plan outlines how essential public health services would be maintained during a disaster.
- Providing educational materials at public health fairs and community sponsored events.
- Recruiting and training volunteers, staff, and community stakeholders in emergency response planning and practices. The Department has 118 confirmed Emergency Response Team volunteers.
- Maintaining the City's emergency information webpage in collaboration with the New Haven Office of Emergency Management (OEM) on a variety of topics,

such as disaster preparedness, product recalls, water shortages, and floods.

- Preparing for public health emergencies by participating in seminars, drills, and exercises.
- Providing flu vaccine clinics in the community and to City employees in collaboration with the Health Department's Public Health Nurses and Preventive Medicine staff.
- Participating in emergency response operations at the City's Emergency Operations Center.

# ADMINISTRATIVE SERVICES

Under the leadership of the Director of Public Health, Department staff work diligently to carry out the essential public health services. These include: monitoring the health status of the community; investigating health problems; informing, educating and empowering the community concerning health issues; mobilizing partnerships; developing policies and plans to address health concerns; enforcing public health laws and regulations; assuring a competent health care system; evaluating the effectiveness of existing programs and services; and researching new opportunities to deal with identified health problems and issues.

In cooperation with the Director of Public Health, fiscal staff manage and oversee the Department's finances, both general and special funds. Staff also assures compliance with City administrative requirements and with requests from grantee agencies and maintains fiscal responsibility and accountability for both the general operating budget and each special fund account.

The Department was appropriated \$3,075,491 from the City's general funds (local tax dollars) for the fiscal year July 1, 2011 to June 30, 2012. The Department obtains supplemental funding each year

from other sources to improve the level of public health services offered to the citizens of New Haven without increasing the burden of cost to the taxpayer. Special funds secured by the Department from federal, state, and foundation grants totaled \$15,911,601. The Department has a total of 88 employees, 56 are general fund and 32 are special fund positions.

## New Haven Health Department by Numbers, 2011

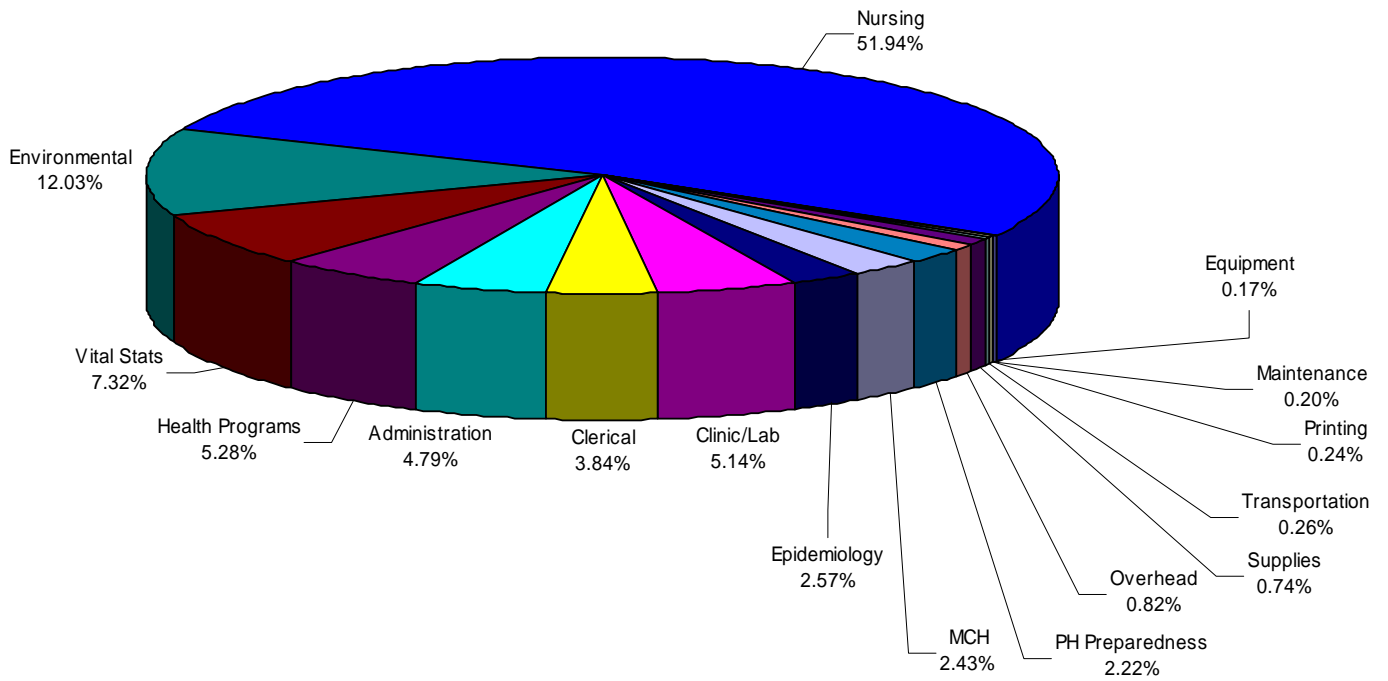
Personnel	Number
General Fund	56
Special Fund	32
<b>Total</b>	<b>88</b>

Budget	Dollars
General Fund	\$3,075,491
Special Fund	\$15,911,601
Fees Revenue	\$900,000

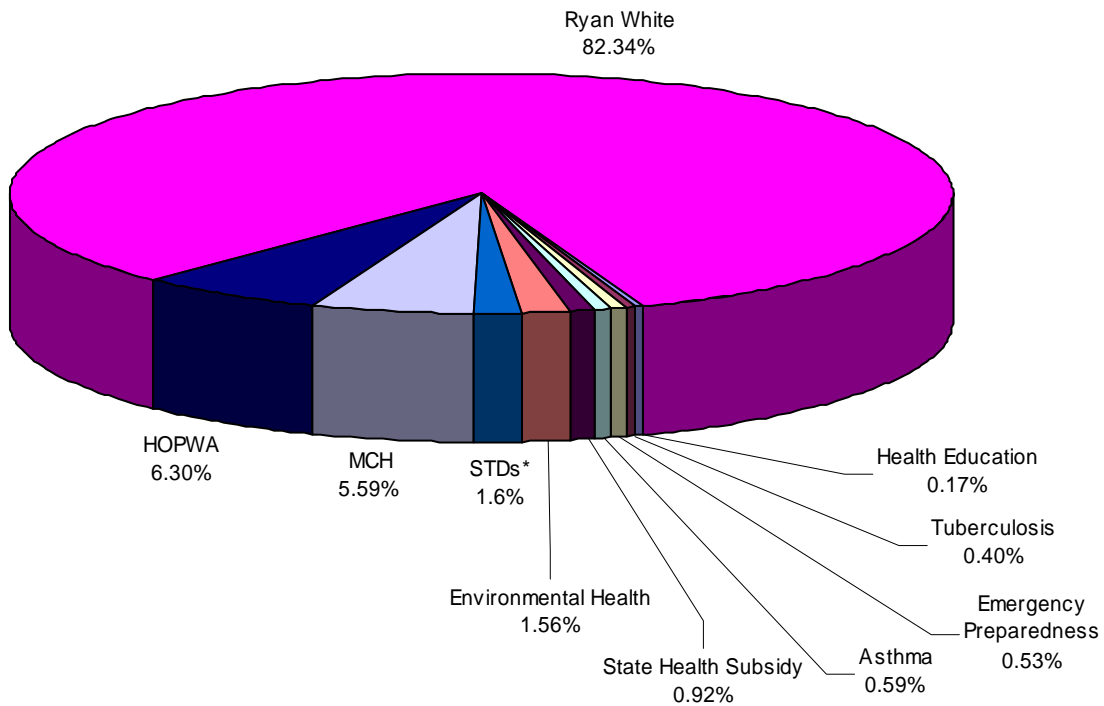
Special Fund Source	Dollars
Federal	\$14,143,771
State	\$1,353,361
Other	\$414,469
<b>Total</b>	<b>\$15,911,601</b>

The Department generated \$900,000 through various fees charged for services rendered (e.g., clinic fees), permits issued (i.e., food service licenses, vital records, pool permits, day care center inspections), and reimbursement from the State of Connecticut for school health services provided to non-public schools.

### Distribution of General Funds, FY 2011



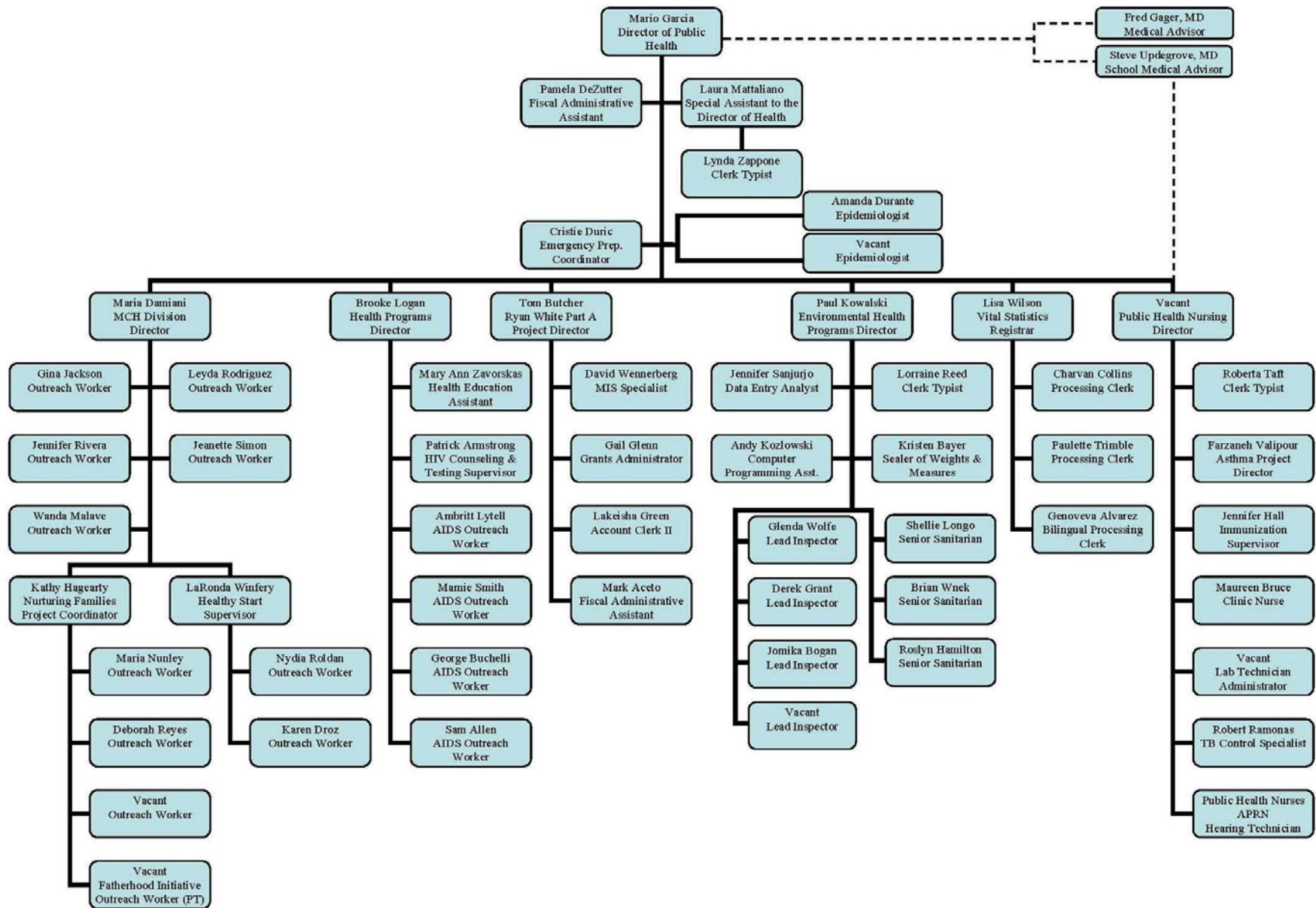
### Distribution of Special Funds, FY 2011



\*STDs includes funding for HIV prevention and Syringe Exchange programs



# New Haven Health Department Organizational Chart - 2011



## New Haven Health Department Contact Information

<b>HEALTH DEPARTMENT</b>		
<b>Mario Garcia, MD, MSc, MPH, Director of Public Health</b>		
<b>Program</b>	<b>Description</b>	<b>Contact Person</b>
<b>Health Matters!</b>	Health Matters! is an ambitious movement to improve the health status of New Haven by 1) changing the way communities talk about health, 2) supporting health promoting initiatives, policies and programs in New Haven and 3) creating health positive policy in New Haven.	Dr. Mario Garcia: 203-946-6999
<b>Administrative Services</b>	Under the leadership of the Director of Public Health, administrative staff conduct assessment, program planning and policy development to address the health needs of the community; manage and oversee fiscal and personnel activities; research and procure resources; assure compliance with state and federal mandates and City requirements; develop and coordinate partnerships, and collaborations.	Laura Mattaliano: 203-956-5138  Pamela DeZutter: 203-946-8169
<b>Public Health Emergency Preparedness</b>		
<b>Program</b>	<b>Description</b>	<b>Contact Person</b>
<b>Public Health Emergency Preparedness</b>	The Office of Emergency Preparedness works to ensure the City of New Haven responds effectively to natural disasters, acts of terrorism and other emergencies that could affect the public's health. This mission is achieved through planning, training, educating, and collaborating with local, regional, state, and community stakeholders.	Cristie Duric: 203-946-8457
<b>Maternal and Child Health</b>		
<i>Provides bicultural/bilingual community-based outreach and case management support for pregnant and parenting women and their families to successfully access health and other support services.</i>		
<b>Program</b>	<b>Description</b>	<b>Contact Person</b>
<b>HUSKY, Free Care, Me and My Baby Insurance Application Assistance</b>	DSS funded program to assist pregnant women apply for prenatal care, and receive short term, limited care coordination, a comprehensive risk assessment and appropriate referrals and follow up. HUSKY applications at St. Raphael's and YNNH.	Main Office: 203-946-8187 Maria Damiani: 203-946-5842
<b>Nurturing Families Network (NFN) (Children's Trust Fund)</b>	NFN is a DSS funded statewide system of continuous care designed to promote positive parenting and reduce incidences of child maltreatment for the highest risk first time parents. Components of the program include a focus on fathers, support groups, (teen and co-ed), and weekly home visiting.	Main Office: 203-946-8187 Maria Damiani: 203-946-5842 Kathleen Hagearty: 203-946-5754
<b>New Haven Healthy Start (CFGNH)</b>	Federally funded program to improve birth outcomes and reduce health inequities for AA women and high risk undocumented women through outreach, case finding, care coordination	Main Office: 203-946-8187 Maria Damiani: 203-946-5842
<b>MANOS (Maternal and Newborn Outreach Support) Program</b>	DSS funded intensive case-management, family re-unification, medical transportation. Advocacy, referrals for employment, training and housing, DCF collaboration.	Main Office: 203-946-8187 Maria Damiani: 203-946-5842 LaRonda Winfrey-Osimeh: 203-946-7480

## New Haven Health Department Contact Information

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<b>Health Information Services</b>		
<b>Program</b>	<b>Description</b>	<b>Contact Person</b>
<b>Epidemiology</b>	Epidemiology collects, analyzes and disseminates data that provides the New Haven Health Department with information for action. Activities include: (a) Monitoring and collecting epidemiologic information on reportable disease/ laboratory findings and deaths; (b) Analyzing vital statistics and other routinely available datasets (e.g. school nurse records, hospital discharge records); (c) Collecting data on the health of populations in New Haven using surveys and other methodologies; (d) Working as part of a team to investigate and control infectious and noninfectious disease outbreaks/problems; (e) Providing information to City of New Haven colleagues, clinicians and the public on disease and appropriate control measure.	Amanda Durante 203-946-8239
<b>Vital Statistics</b>	Records all births, deaths, marriages, adoptions, affidavits of parentage & legal changes of name occurring in New Haven. Marriage licenses & permits for burial, disinterment & cremation are also issued. Elm City Resident Card also issued through Vital Stats.	Lisa Wilson: 203-946-7931  Address: 165 Church Street
<b>Office of New Haven Residents</b>	The ONHR has become the premier location for City residents to find all they need to know about New Haven. The office prides itself in providing residents with the personal touch needed while navigating all City resources. Residents of New Haven can come to City Hall and seek assistance, information and orientation in a number of areas, including health, education and city services. As such, staff has created an Information Center, which is stocked with topic specific information. Welcome packages have been developed covering a broad range of topics.	Lisa Wilson: 203-946-7931  Address: 165 Church Street
<b>Health Programs Division</b>		
<b>Program</b>	<b>Description</b>	<b>Contact Person</b>
<b>Safe Kids Greater New Haven</b>	The Health Education Assistant co-leads the Greater New Haven Chapter of Safe Kids CT with a Quinnipiac University Professor, Tracy Van Oss, in the Occupational Therapy Program. Safe Kids is a worldwide program which focuses on reducing unintentional death and injury among children 14 years and younger. Safe Kids Greater New Haven co-leaders work together with other community child safety advocates to provide child safety services. Bi-annual meetings are held with community partners and Chapter representatives participate in safety fairs, car seat check events, and other community child safety events. Typically, Chapter activities focus on child passenger safety, child residential safety, pedestrian safety, bicycle safety and other child safety topics. Many child safety educational materials are distributed at events in New Haven and surrounding towns and Chapter co-leaders serve as a resource to parents for child safety information.	Mary Ann Zavorskas: 203-946-8186

## New Haven Health Department Contact Information

<b>Health Programs Division (continued)</b>		
<b>Program</b>	<b>Program</b>	<b>Program</b>
<b>Child Passenger Safety Presentations</b>	Child Passenger Safety Presentations for parents/ caregivers are conducted in the New Haven community. These presentations provide basic information about car seat use and encourage parents to obtain assistance with the installation of their car seats from certified child passenger safety technicians at local "car seat fitting stations." A variety of child safety educational materials are provided at the presentations, typically conducted at New Haven school readiness and Head Start sites.	Mary Ann Zavorskas: 203-946-8186
<b>Child Residential Safety Program</b>	The Program's goal is to reduce home-based injuries among children under the age of six years. Outreach staff conduct home safety visits in the homes of their clients. Utilizing a checklist, staff work with parents to identify and correct hazards that threaten the safety of their young children. Safety supplies to correct the indentified hazards and child safety educational materials are provided. Follow-up is conducted to ensure identified hazards are corrected and corrective action was taken by the landlord, if required.	Mary Ann Zavorskas: 203-946-8187
<b>Healthy Corner Store Initiative</b>	The Initiative's goal is to improve residents' access to healthy foods by encouraging proprietors of local corner stores to stock a variety of healthy food options, including fresh produce. Stores are selected to participate in the program based upon their proximity to schools and the proprietor's level of interest. Each proprietor is provided with education, support, and follow-up contact to ensure the successful implementation of the program.	Mary Ann Zavorskas: 203-946-8188
<b>Smoke-Free Housing</b>	The aim of the Smoke-Free Housing Initiative is to reduce tenants' exposure to secondhand smoke by increasing the number of multi-unit dwellings with smoke-free policies.	Brooke Logan: 203-946-8351
<b>Syringe Exchange Program</b>	This program offers a one-to-one syringe exchange while providing injection drug users with the necessary information and supplies to reduce their risk of acquiring or transmitting HIV/AIDS. Condoms, ties, cookers, distilled water, and anti-bacterial creams are dispensed. HIV counseling and testing is offered along with referrals and transportation to substance abuse treatment facilities. Referrals to medical and social support services are also provided.	Brooke Logan: 203-946-8351
<b>HIV Counseling and Testing</b>	The Program's goal is to provide New Haven residents with HIV counseling and testing services that is confidential and free of charge. HIV counseling and testing is offered Monday-Thursday at the New Haven Health Department and throughout the community.	Patrick Armstrong: 203-946-6453
<b>AIDS Education and Outreach</b>	This program aims to reduce the transmission of HIV/AIDS by educating New Haven residents about the importance of reducing risk behaviors. Education and outreach is conducted through the use of Street outreach, couples counseling for men who have sex with men, and two group programs, Safety Counts and VOICES/VOCES.	Brooke Logan: 203-946-8351

## New Haven Health Department Contact Information

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<b>Ryan White Part A</b>		
<b>Ryan White Part A Office</b>	Administers federal funding for HIV/AIDS care throughout New Haven and Fairfield Counties. The funding is distributed to agencies throughout the two counties to provide services to people living with HIV/AIDSs. Services are mandated by the Federal Human Resources and Services Administration (HRSA). Seventy-five percent (75%) of all funding must go to "core" services (primary medical care, mental health, substance abuse treatment, medical case management, oral health, and health insurance) and 25% of funding is allocated to "support" services which must be linked to medical outcomes (medical transportation, outreach, emergency financial assistance, housing assistance, and food-bank home delivered meals).	Thomas Butcher: 203-946-7388
<b>Bureau of Nursing</b>		
Program	Description	Contact Person
<b>School Health Services</b>	The Bureau of Nursing provides school health services for New Haven public and non-public schools and staffs one school-based health clinic. School health services include but are not limited to: immunizations and physical exam compliance tracking; vision and hearing screenings; first aid (trauma, allergies); diagnosis & treatment of illness & injuries; medication dispensing; and individualized health care plans development. The school-based health center provides additional services, such as immunizations and physical examinations.	Director: 203-946-6364
<b>Asthma Program/Triggers be Gone</b>	The Asthma Program was developed to address issues as they pertain to asthma as well as to focus on education, prevention and self-management of the disease. Our Triggers Be Gone program provides families with medical equipment and asthma triggers reduction supplies. The program is collaborating with the Department's Bureau of Environmental Health on the Green and Healthy Homes initiative.	Farzaneh Valipour: 203-946-6365
<b>Pediatric Immunizations CIRTS Registry</b>	Tracking and outreach of immunizations for children up to 24 months of age.	Jennifer Hall 203-946-7097
<b>Bureau of Environmental Health</b>		
<i>Lead paint, water testing, food service inspections, investigate public health concerns and dangers.</i>		
Program	Description	Contact Person
<b>Licensing and Inspection of Food-Service Establishments</b>	To ensure periodic inspection of all licensed food-service establishments operating within the city and achieve compliance with the State Public Health Code	Paul Kowalski: 203-946-8174
<b>Lead Hazard Control and Childhood Lead Poisoning Prevention</b>	To investigate and resolve all cases of childhood lead poisoning reported to the department in a timely manner and to seek and distribute federal funding to lead abate housing units occupied by income-qualified families	Paul Kowalski: 203-946-8175
<b>Public Health Nuisances/threats</b>	To investigate and resolve public health nuisances/hazards and infractions of applicable statutes and/or ordinances punctually and competently.	Paul Kowalski: 203-946-8176



## New Haven Health Department Contact Information

<b>Bureau of Environmental Health (continued)</b>		
<b>Program</b>	<b>Description</b>	<b>Contact Person</b>
<b>Monitor Water Quality of Public Swimming Pools and Bathing areas</b>	To provide adequate monitoring of water quality of all public swimming pools within the city and of the waters off of Lighthouse Point Park	Paul Kowalski: 203-946-8177
<b>Inspect schools, daycare centers, summer lunch feeding sites</b>	To provide a bi-annual inspection of all city schools to ensure the health and safety of the student population. To periodically inspect day care centers, group homes, senior centers and summer lunch feeding sites and achieve compliance with the State Public Health Code.	Paul Kowalski: 203-946-8178
<b>Weights and Measures</b>	Safeguards public health and promotes public welfare by protecting consumers in all monetary transactions using weight, measure or count. The mission is to ensure consumers in New Haven are paying for accurate weights and measures of goods and services. This includes gasoline, taxi cabs, laundromats, and all purchases made in grocery stores within our jurisdiction. Staff inspect all commercial weighing and measuring devices designated as "legal for trade" to assure they are maintained within the acceptable tolerances as defined by State and Federal law. Staff serves as a consumer advocate by investigating any concerns or complaints relative to questionable selling prices.	Kristen Bayer: 203-946-4892
<b>Preventive Medicine</b>		
<i>Specific clinics are held to diagnose and treat diseases controllable by public health measures. The Department provides a central surveillance resource for information related to communicable diseases. Weekly clinics offer appropriate adult and child immunizations.</i>		
<b>Program</b>	<b>Description</b>	<b>Contact Person</b>
<b>Immunization Clinic</b>	Specialized clinics to provide information, prophylaxis and treatment related to flu protection. The Department offers weekly Immunizations to adults and children	Fred V. Gager: 203-946-8184 Main Line: 203-946-8182
<b>Sexually Transmitted Disease Clinic</b>	Evaluation and treatment for Sexually Transmitted Diseases. Special clinic are held 3X/week with Infectious Disease Specialists.	Fred V. Gager: 203-946-8184 Main Line: 203-946-8183
<b>Disease Intervention Specialists (DIS)</b>	In cooperation with the CT Department of Public Health, the Health Department provides individual counseling to the network fo contacts of STD and/or HIV positive patients.	Wanda Richardson: 203-946-7233
<b>Tuberculosis Prevention and Monitoring</b>	The Department works with the health care provider community and State officials to identify all active cases of tuberculosis, conduct contact investigations, and administer Directly Observed Therapy to treat the disease in the appropriate time. The Department assists in transportation to clinics when needed. Tuberculosis skin testing is offered to the community.	Fred V. Gager: 203-946-8184 Main Line: 203-946-8182

## NEW HAVEN BOARD OF HEALTH

**John DeStefano, Jr.**  
Mayor, City of New Haven

**Katrina Clark, MPH**  
Fair Haven Community Health Center

**Reid Davis, RPh, MPH**

**Tamiko Jackson-McArthur, MD**  
Pediatrician

**Heather Reynolds, CNM, MSN**  
Yale School of Nursing

**James Hadler, MD, MPH**  
Former State Epidemiologist

## NEW HAVEN HEALTH DEPARTMENT EXECUTIVE STAFF

**Mario Garcia, MD, MSc, MPH**  
Director of Public Health

### OFFICE OF THE DIRECTOR

**Pamela DeZutter**  
Fiscal Administrative Assistant

**Laura Mattaliano, MPH**  
Special Assistant to the Director of Health

### HEALTH PROGRAMS DIVISION

**Brooke Logan, MPH**  
Health Programs Director

**Thomas Butcher, MEd**  
Ryan White Part A Project Director

### CLINIC AND LABORATORY SERVICES

**Fred Gager, MD**  
Medical Advisor

**Maureen Bruce, RN**  
Public Health Nurse, Clinic

**Vacant**  
Laboratory Technician Administrator

### ENVIRONMENTAL HEALTH

**Paul Kowalski, MPH, RS**  
Environmental Health Programs Director

**Kristen Bayer, MALS**  
Sealer, Weights and Measures

### EMERGENCY PREPAREDNESS

**Cristie Duric, MPH, RRT, MEP**  
Public Health Preparedness Coordinator

### MATERNAL AND CHILD HEALTH

**Maria Damiani, MS**  
Maternal and Child Health Director

**Kathleen Hagearty, LCSW**  
Project Coordinator, Nurturing Families Network

**LaRonda Winfery**  
Healthy Start Supervisor, Healthy Start

### INFORMATION SERVICES

**Amanda Durante, PhD, MSc**  
Epidemiologist

**Lisa Wilson**  
City Registrar of Vital Statistics

### PUBLIC HEALTH NURSING

**Vacant**  
Public Health Nursing Director

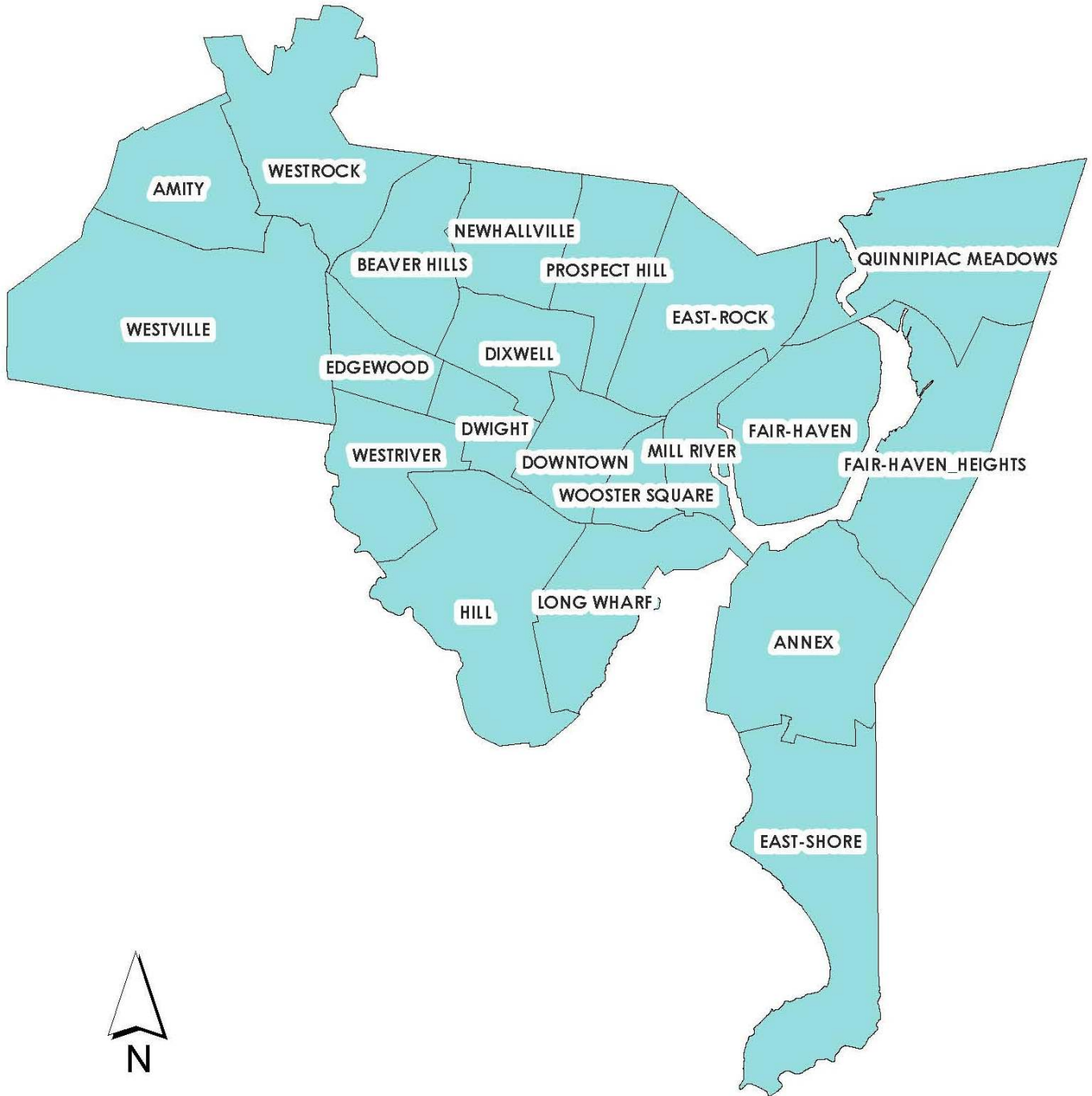
**Jennifer Hall**  
Immunizations Coordinator

**Farzaneh Valipour**  
Asthma Project Coordinator



# CITY OF NEW HAVEN BY NEIGHBORHOOD

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Developed by the New Haven Health Department.



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