



MONMOUTH COUNTY HEALTH DEPARTMENT

CLINICAL TRIAL: EBL01
EA43-ZBO Z VACCINE 0.7 mL
Vial contains 9.1×10^{10} vp/mL
Vial No. 081 For Intramuscular Injection
Lot No. 14-364 Store at -80°C
Manufacturer No. _____ Exp Date: 20 AUG 2015



2015 ANNUAL REPORT



2015
Monmouth County Board of Chosen Freeholders

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2015
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Public Health Coordinator & Health Officer



Monmouth County Health Department

Annual Report

2015

Mission Statement:

Empower residents of Monmouth County to achieve optimum health through the provision of the ten essential public health services.

- Monitor health status to identify community health problems.
 - Diagnose and investigate health problems and hazards in the community.
 - Inform, educate and empower people about health issues.
 - Mobilize community partnerships to identify and solve health problems.
 - Develop policies and plans that support individual and community health efforts.
 - Enforce laws and regulations that protect health and ensure safety.
 - Link people to needed personal health services and assure the provision of health care when otherwise unavailable.
 - Assure a competent public health personal healthcare workforce.
 - Evaluate effectiveness, accessibility and quality of personal and population-based health services.
 - Research for new insights and innovative solutions to health problems.
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Monmouth County Health Department
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The Monmouth County Health Department is one of seven health departments in Monmouth County. Twenty-six of the County's 53 municipalities participated in the Monmouth County Board of Health system in 2015:

Aberdeen
Allentown
Asbury Park
Atlantic Highlands
Avon-By-The-Sea
Belmar
Bradley Beach
Eatontown
Englishtown
Farmingdale
Hazlet
Holmdel
Howell
Keansburg
Keyport
Lake Como
Manasquan
Marlboro
Matawan
Millstone
Neptune City
Neptune Township
Oceanport
Roosevelt
Shrewsbury Township
Union Beach

2015 Annual Report Monmouth County Board of Health

Overview

The Monmouth County Board of Health, established in 1978, is composed of nine citizen members who are appointed by the Monmouth County Board of Chosen Freeholders. The Freeholder Board's also establishes policy and governs the services provided by the Monmouth County Health Department.

Principle Objectives

- As a field office of the New Jersey Department of Health (NJDOH) and the New Jersey Department of Environmental Protection (NJDEP), enforce the provisions of the New Jersey State Sanitary Code and regulations set forth in N.J.S.A. 24:14a-1 et seq., 26:3-69:1, and 58:11-23, as well as, local codes and ordinances that protect public health.
- Deliver a modern and manageable array of public health services as required by N.J.A.C. 8:51, entitled "Public Health Practice Standards of Performing for Local Boards of Health in New Jersey".
- Provide leadership in building County wide core capacity to respond to bioterrorism and other public health threats.

Through the Department's programs and services, residents benefit directly from population-based, clinical services which provide primary and secondary disease prevention. Indirect resident benefits include the protecting food and drinking water supplies and ensuring compliance with environmental health regulations, related to air, water, noise and nuisance control.

Principal Activities

- Administrative and organizational management services, including but not limited to planning, organization, public health staffing, coordination and response, budgeting and evaluation
 - Enforcement of public health and environmental laws and regulations
 - 24/7 surveillance, detection and epidemiologic response to potential bioterrorism incidents or outbreaks of infectious disease
 - Communicable disease control
 - Management and operation of the New Jersey LINCS Health Alert Network
 - Public Health Emergency Preparedness Planning
 - Maternal child health services
 - Clinical primary and secondary preventive services
 - Rabies control
 - Comprehensive diagnostic and treatment services for Tuberculosis and Sexually Transmitted Diseases
 - Health education/health promotion
-

Past and Present Collaborative Efforts

An important function of the Monmouth County Health Department (the Department) is collaboration with community-based organizations and institutions to identify health problems and assure access to health services. In 2015, the Department continued the Health Improvement Coalition and worked in conjunction with the five other health departments in the County in bringing together a group of individuals representing more than 40 public and private healthcare providers, businesses, schools, social service and voluntary health organizations to participate in an initiative to assess community health. The coalition partnered with the local hospitals as well to provide a comprehensive health assessment.

The assessment will be completed early 2016 at which time the coalition will prioritize public health needs; identify resources to address them, and ultimately to develop a Community Health Improvement Plan (CHIP). The New Jersey Department of Health requires local health departments to update the CHIP every 5 years. The Plan completed in 2007, identified six strategic issues:

1. Barriers to healthcare
2. Comprehensive healthcare despite the high cost of living in Monmouth County
3. Tobacco, drugs and alcohol use and abuse
4. Transportation barriers
5. Care for the older adult population
6. Cancer morbidity and mortality

Committees were subsequently formed to develop programs and services to address these issues. In 2011, the MAPP Committee changed its name to "Health Improvement Coalition of Monmouth County", and updated the CHIP. The "top 3" issues to be addressed for the period 2012 - 2016 are, 1. Risk factors for heart disease, 2. Adult and childhood obesity, and 3. Barriers to healthcare.

Other examples:

Formation of a partnership with Jersey Shore University Medical Center for the provision of comprehensive Sexually Transmitted Disease (STD) diagnostic and treatment services to residents.

Working with school systems to provide school-based Hepatitis B immunization programs.

Worked with local Offices of Emergency Management in designing models for the rapid distribution of prophylactic medications to first responders and their families after a confirmed release of a bioterrorism agent and/or emerging infectious diseases.

The Department is a member of the Monmouth County Cancer Coalition which is involved in the planning and coordination of cancer screening and education services Countywide

Through an agreement with the Visiting Nurse Association of Central Jersey Inc. (VNA) the Department is a designated provider of cancer screening services through the New Jersey Cancer Early Detection and Education program (CEED), funded by the New Jersey Department of Health.

Membership on the Monmouth County Suicide Prevention Task Force.

Provision of nursing and public health internship opportunities to students of Monmouth University and other institutes of higher learning, respectively.

Collaboration with the New Jersey Commission for the Blind and Visually Impaired to provide free eye help screening services. The eye screening is held at the health department once each month where further collaboration with Meridian Health provides free screening to the resident for cholesterol, diabetes, body mass index, osteoporosis screening and blood pressure checks, as well as the Monmouth County Food Bank provides an individual who provides information on the affordable care act.

The Health Department's Public Health Coordinator provides administrative support and oversight for Monmouth County's Division of Mosquito Control. This unique relationship between the two public health agencies provides for increased collaboration and communication and joint efforts and initiatives during Mosquito season such as joint outreach projects and coordination on complaint response and testing.

Organizational Capacity

The Department's programs and services are funded by local dollars as well as grants from the New Jersey Department of Health for emergency preparedness, case management of children with evaluated lead levels, immunization outreach, sexually transmitted disease diagnostic and treatment services, childhood lead poisoning prevention outreach and education and Medical Reserve Corp recruitment and training.

The Department is composed of 52 employees. Professional staffing consists mainly of Registered Environmental Health Specialists and Registered Nurses who hold current licenses from the New Jersey Department of Health and the Board of Nursing, respectively.

Professional service contracts are in place for laboratory services, physicians, nurse practitioners, phlebotomy, mammography, x-rays and interpretation services for the non-English speaking population.

The Department is equipped with state-of-the-art computer systems, connectivity, security and data storage capacity. Systems are managed by a full-time Network Administrator. Additionally, a full-time Geographic Information System (GIS) Technician is available for data mapping.

As a part of the County government system, the Health Department has access to wide array of County-based resources, such as the County print shop, Human Resources department, information technology, the finance and purchasing departments, buildings and grounds and legal counsel.

Our Underground Storage Tank (UST) unit provides compliance assistance for regulated underground storage tank systems to several County agencies. In addition, the Hazmat/UST staff provides logistics support for the Health Department's Strategic National Stockpile Personal Protective Equipment distribution program.

Continuing education and training are essential parts of our mission to provide a comprehensive emergency preparedness system throughout Monmouth County. The Health Department's hazmat unit maintains some of the most highly trained Hazmat/Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) response personnel in the State of New Jersey. In 2015, we continue to expand our emergency response capability and competence by taking advantage of numerous federal, state and local training opportunities.

Public Health Protection

Our staff of 15 Registered Environmental Health Specialists (REHS) enforces public health and environmental laws and regulations, which include, but are not limited to the protection of food, bathing place sanitation, public health nuisances and hazard, preventable injuries and exposure-related diseases in both the workplace and community settings.

Public Recreational Bathing and Youth Camp Inspections

In 2015, the Health Department Staff inspected 120 recreational bathing facilities including swimming pools, spas, splash parks, ocean bathing beaches and a water park. Staff members investigated five complaints involving recreational bathing sites. REHS Staff are also required to inspect Youth Camps each summer season. In 2015, 21 youth camps were inspected during the first week of operation. This inspection involves extensive review of staff credentials and camp operating procedures in addition to inspection of on-site food handling and recreational bathing facilities.

There are four additional camps which have received accreditation from the American Camping Association which allows them to self-inspect prior to opening for the season. Those (4) facilities were inspected by staff once during their operating season.

Rabies Control and Surveillance

The Health Department oversees the free vaccination clinic programs for cats and dogs. In 2015, the Department sponsored 29 clinics in our covered municipalities which provided free vaccinations to 2,144 dogs and cats. Another component of the Rabies Control Program involves investigating resident animal bite exposures. Whenever a human bite exposure occurs, the health department is notified and places the animal under a 10-day observation period. The animal is visited at the end of the observation period to ensure it not showing signs of illness.

The observation period is generally used for domestic and most livestock exposures. For other animals, including bats, the biting animal must be tested for rabies in a laboratory. Staff conducted 301 animal bite investigations involving animal observation and an additional 40 investigations which involved specimen delivery to the State Department of Health Laboratory. Four specimens were found to be positive for Rabies upon testing.

Exposed persons are notified and referred for medical follow-up which includes post exposure prophylaxis. Domestic animals are usually given rabies boosters and placed under extended observation as dictated by vaccination status and level of exposure. In some rare instances, directly-exposed, unvaccinated animals must be euthanized.

Animal Care Facility Inspections

Animal Care facilities such as kennels, shelters, pounds and pet shops are also inspected by the Department for compliance with regulations set forth by the New Jersey State Sanitary Code.

Additional legislation has been passed recently to further protect animal welfare by tightening documentation requirements combatting the use of “puppy mills” as pet store suppliers. In 2015, staff inspected 23 licensed facilities and responded to 12 animal related complaints. One animal care facility complaint was also investigated.

Septic and Well Programs

The Registered Environmental Health Specialist staff is responsible for the enforcement of New Jersey regulations for the installation of onsite sewage disposal systems and private water supply wells. In 2015, 334 plans for new septic systems and wells were reviewed to ensure compliance with NJ State Regulations and 1,893 well and septic inspections were conducted. This total reflects the certification of compliance of 187 new septic systems, 64 new wells and certification for realty transfer as required in some municipalities.

The Health Department also reviews site plans and variance requests on behalf of local zoning and planning boards within our jurisdiction for comments regarding various Health Department regulations; plan reviews were conducted in 2015.

Smoke Free Air Act Initiative

Since January 2006, smoking has been prohibited in most New Jersey indoor public places. Restaurants, bars, retail stores, and most other businesses with public access must be maintained smoke free. Citizen complaints regarding smoking indoors are investigated with violations issued for non-compliance. A total of six complaints were investigated in 2015.

Another component of the Indoor Smoke Free Air Act Initiative is the partial regulation of Tobacco Retail Establishments where product sampling is provided as a means of generating sales. This process involves review of plans and ventilation equipment to ensure the sampling or “tasting” area air supply, which contains the smoke from the sampling, does not comeingle with the rest of the retail space or its neighbors. In 2015, one Tobacco Retail Establishment plan was reviewed twice and approved, with two inspections to determine compliance.

Body Art Facility Inspections

Businesses which perform tattooing, permanent cosmetic procedures and ear/body piercing are regulated by Chapter 8 of the Sanitary Code to ensure that adequate sterilization, sanitation and safety standards are maintained. Artists and operators performing these procedures must document adequate credentials and apprenticeship. Our yearly inspections are conducted at 13 body art facilities and staff reviewed three new facility plans. Credential reviews were conducted for seven new artists. Six Complaints were investigated during 2015, including the identification and subsequent closure of an unapproved/unlicensed facility found operating in one community.

Our Department also has the responsibility for approving and inspecting the Three-Day Visionary Tattoo Festival held in Asbury Park each year. This event draws 124 artists from across the country, each requiring credential and training review prior to participating. Seventy five individual booth inspections were conducted over the course of the event, with more than 10,000 visitors attending. This event involves the participation of five staff members to maintain Health Department presence over all three days.

Tanning Facilities

In 2015, our Registered Environmental Health Specialist staff routinely inspected tanning facilities for compliance with State Sanitary Code regulations. Sixteen facility inspections were conducted. No complaints were received during the year.

Retail Food Facility Inspections

Retail food establishments must operate in accordance with Chapter 24 of the New Jersey Sanitary Code, and are inspected at least once during each year. In January 2007, the New Jersey Department of Health (DOH) adopted new, more stringent regulations based on the Food and Drug Administration (FDA) food code which places increased emphasis on critical areas of food-borne disease control such as hand-washing and maintaining foods at proper temperature.

Inspectors investigated 143 complaints involving sanitation, food handling and/or food-borne illness. The REHS staff also responded to 24 separate emergency events at retail food facilities. Emergency events can include fires, loss of power or water and vehicles that turn convenience stores into a drive-thru. Another significant activity of the REHS staff is the consultation and education provided to operators on requirements and best practices. Staff members logged 199 retail food conferences throughout 2015.

One significant 2015 Retail Food Investigation occurred following reports of a multi-jurisdictional foodborne outbreak involving Salmonella Javiana. Multiple inspectors responded to retail food facilities within our municipalities to obtain supply chain records in an effort to determine possible sources of the outbreak. Inspection reports were supplied to the State Department of Health for inclusion in their report to the federal government, as the incident eventually crossed State boundaries as well.

The Health Department's dedicated and professional Registered Environmental Health Specialist staff completed 2,297 routine retail food inspections during 2015. This number includes mobile establishments and temporary events.

The REHS staff diligently inspected more than 98 temporary special events involving food handling. Notable events include Belmar Seafood Festival, Asbury Park Oyster Festival, Bradley Beach Lobster Fest, Ocean Grove's Flea Market, and a multitude of events held at Monmouth Park Racetrack; from the Food Truck Wars, to one of the biggest racing events of 2015, the Haskell Invitational featuring Triple Crown winner American Pharoah.

Public Health Nuisance Complaints

The Health Department receives a wide variety of citizen complaints from all areas of public and environmental health. Complaints and emergencies are received 24/7 and range from poison ivy and mosquito breeding to sewage overflows and bedbugs. During the recovery phase of "super storm" Sandy, the department has received numerous mold complaints and many requests for cleanup guidance from affected homeowners. Fourteen mold complaints involving landlords and tenants were investigated in 2015.

The most common complaints received involve housing code deficiencies, sewage overflows, insect and rodent infestations, garbage overflows and animal waste issues. Bedbug complaints accounted for 22 investigations alone, with other types of bugs such as roaches, lice, ticks and bees combining for an additional 33 complaints.

Various housing complaints comprise our largest number of nuisance investigations each year. Housing complaints include heating and hot water issues, water leaks which can lead to mold, inadequate garbage pick-up, and indoor odor problems. 165 housing complaints were investigated in 2015 with an additional 212 re-inspections performed.

Open Public Records Act (OPRA)

The Public Health Protection unit maintains inspection and complaint records for all of the commercial facilities inspected each year as required by the State Sanitary Code. Records of dwellings and commercial buildings which are serviced by individual wells and individual sewage disposal systems are also maintained by the Department. Therefore, under the Open Public Records Act, individuals and commercial representatives may request their records be provided in accordance with the legally established guidelines.

The REHS staff responded to over 300 OPRA requests during 2015.

"Superstorm" Sandy Recovery Grant

Monmouth County Health Department has been the recipient of a "super storm" Sandy recovery grant totaling \$300,000. The grant objectives include providing a one hour training session for residents of affected communities entitled: "Creating a Healthy Home after a Hurricane or Flood". Our goal is to increase the residents' knowledge of the connections between health and common housing issues.

A second objective for this grant is to provide a full day professional development course entitled "Healthy Homes for Community Health Workers". This course is being offered to the

health, social services and housing professional workforce to increase their base knowledge regarding the health impacts of housing conditions related to post-"super storm" Sandy.

During the 2015 portion of the grant period, January 1, 2015 through June 30, 2015, our department conducted ten 1-hour classes which were attended by 97 affected homeowners, and presented three full-day sessions attended by 53 community professionals.

A third component of this grant provides for our nursing and Registered Environmental Health Specialist staff to assist the New Jersey Academy of Pediatrics with curriculum development for the Educating Practices in the Community (EPIC) program. This material is being used to educate healthcare providers to recognize that environmental conditions in the home may be causing or contributing to certain medical conditions they observed in their patients.

"Superstorm" Sandy Recovery Grant - Lead Screening

In addition the department received a grant from the NJDOH for the screening of individuals affected by Superstorm Sandy. A study done by Tulane after Katrina indicated that elevated lead levels were found in soils potentially increasing the risks to residents. The program provides the department with the ability to do a finger stick blood sample and provide results of the testing within three minutes. As of the end of 2015, 3866 individuals were screened in Monmouth County. The screening project included limited nursing intervention for children with leads of five ug/dl-9ug/dl and case management for leads of ten ug/dl and higher. Of the 3866 screenings, 326 positives were identified.

Clinical and Preventive Health Services

Childhood Immunization Audits

Inspectors and public health nurses routinely verify compliance with childhood immunization requirements by auditing student records at daycare and school facilities. Individual records are reviewed for timely completion of required vaccines and identification of those who do not have vaccination protection due to exemption.

In the event of an outbreak of a vaccine-preventable disease, unvaccinated children must be identified and excluded, to stem the spread of the disease. In 2015, 128 immunization audits of vaccination records were conducted in schools and childcare facilities. Twenty facilities required a re-audit. Three Municipal summonses were issued as a result of continued non-compliance.

Immunization Services

Vaccines are among the most successful and cost effective public health tools available for preventing disease and death. They help protect individuals and entire communities by preventing and reducing the spread of infectious diseases. Infants are particularly vulnerable to infectious diseases, which is why it is critical to protect them through immunization.

Each day nearly 12,000 babies are born in the United States who will need to be immunized against 14 vaccine-preventable diseases before age two.

Childhood immunizations are provided free of charge to children from birth to 18 years of age who are uninsured. Clinics are offered at the Monmouth County Department of Social Services building on Kozlovski Road in Freehold, and in collaboration with the Neptune school system.

The sites are "walk-in" clinics, making immunizations more accessible for working parents and school-age children.

With parental permission, the child/children are entered into a statewide immunization registry, which encourages timely and age appropriate immunizations. In addition, parents have the opportunity to apply for assistance, including Medicaid and Affordable Care Act insurance. In 2014, the clinic immunized 362 children, administering 863 total immunizations.

<u>Infant and Preschool Immunizations</u>	Immunized	117
<u>School Age Children</u>	Immunized	245
<u>Adolescent and Adult Immunizations</u>	Immunized	65

Adolescent and adult immunizations are offered monthly. The immunizations include influenza, pneumonia, tetanus, measles, mumps rubella, meningitis, Hepatitis A, Gardasil, Zoster and tetanus, diphtheria and pertussis, (Tdap). The Hepatitis B program is also offered to our towns for employees required to have the vaccine as part of their blood-borne pathogen program.

In 2015, we provided Hepatitis B vaccines to Marlboro Police, Monmouth County employees, Neptune Schools, and Marlboro First Aid.

Seasonal Influenza Clinics

In 2015, the Department's team of Public Health Nurses provided more than 1,000 seasonal influenza vaccinations at senior centers and various sites in various municipalities.

Healthy By Two Grant

The Monmouth County Health Department was awarded a grant to encourage timely immunizations; the goal of the grant is to have children less than 35 months receive timely immunizations before their second birthday. More than two hundred years have passed since the first successful smallpox vaccine was developed. Today's vaccines are among the 21st century's most successful and cost-effective public health tools for preventing disease and death. Through immunizations, debilitating and often fatal diseases like polio, that were once common, are only memories for most Americans. From infants, timely immunizations are one of the most important ways to protect them and others from serious diseases and infections.

In 2015, immunization records were reviewed for 826 children, on these children 310 were referred for needed immunizations. Children needing immunizations identified through the program are offer immunization services through the Monmouth County Health Department.

Sexually Transmitted Diseases

In 1998, the Monmouth County Health Department was approached by the Chief of Infectious Disease at Jersey Shore University Medical Center (JSUMC) regarding the high volume of sexually transmitted diseases (STD) being treated in the hospital's emergency department.

A partnership was formed between JSUMC and the Monmouth County Health Department to establish an STD clinic on a satellite campus of JSUMC to provide appropriate treatment, follow-up, and risk reduction education for Monmouth County residents.

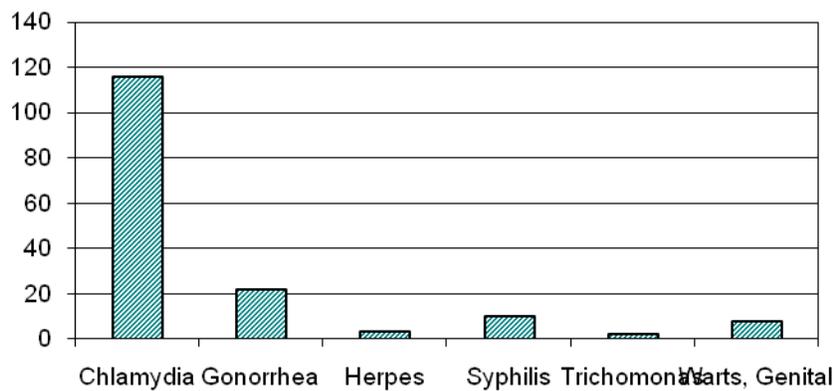
Clinic is held at Jersey Shore University Medical Center Clinic site in Neptune on Tuesdays from 4 to 6 p.m.

Clinic services include physical examination, diagnostic services by a physician or physician's assistant, and treatment as needed. Our Field Representative /Disease Control provides comprehensive follow-up, including STD education, risk factor counseling and partner notification.

In 2015, 1284 clients were seen with concerns regarding sexually transmitted diseases at the clinic and 2006 visits were made to the clinic. The following chart shows positive STDs identified at the STD clinic.

Patients with Diagnoses

Diagnosis	Pts with Dx
Chlamydia	116
Gonorrhea	22
Herpes	3
Syphilis	10
Trichomonas	2
Warts, Genital	8



Tuberculosis Program

Tuberculosis is spread through the air from one person to another when someone who is ill with TB disease of the lungs or throat, coughs, speaks, laughs, sings, or sneezes. The people near the ill person breathe the TB germs into their lungs.

People with TB disease, must take several different drugs for a least six months, even if they begin to feel well after only a few weeks of treatment. This is because there are many bacteria to be killed. Taking several drugs as prescribed, will do a better job of killing all of the bacteria and preventing them from becoming resistant to the drugs. Tuberculosis can almost always be cured with medicine.

The Monmouth County Health Department TB Program provides complete case management which includes Mantoux testing, X-ray referrals, physicals, medication management and monitoring of Tuberculosis cases and contacts. Tuberculosis testing services for high risk individuals as defined by the Centers for Disease Control as well as Tuberculosis education and training in proper testing procedures is also provided.

Tuberculosis case management is also provided for individuals with latent TB. Latent TB is when a person has TB bacteria in their body but there are no symptoms, so they don't feel sick. You cannot pass latent TB on to others, but there is a risk that you will become ill with active TB later on, especially if your immune system is weakened, such as through another illness. The Monmouth County Health Department TB Program provides case management, X-ray referrals, physicals, medication management and monitoring for these individuals as well to prevent the further development of the TB germs into disease.

In 2015, the Monmouth County Health Department Tuberculosis Program provided care in 2340 clinic visits. Eighty close contacts of TB cases were identified and examined. Additionally, the TB clinic staff provided Mantoux testing for 564 individuals, and managed prescription therapies for 660 patients.

Women's Health Program

Cervical cancer once was the leading cause of cancer death for women in the United States. However, during the past 4 decades, incidence and mortality (the number of deaths each year) from cervical cancer have declined significantly. Primarily because of the widespread use of the Papanicolaou (PAP) test to detect cervical abnormalities. In addition to preventing cervical cancer, cervical cancer screening can detect cancer early, when treatment is most successful.

Monmouth County Health Department cancer detection services include free pap screening, breast exams, and education about colorectal cancer screening. Mammography clinics are held eight times a year, and free mammography is available to uninsured women. Referrals are made for women in need of diagnostic evaluation. The 2015 program numbers are as follows:

Cancer Screenings

- 41 Women screened for cervical cancer (PAP test)
- 64 Women screened for breast cancer (Mammogram)
- 41 Women received breast examination by a physician
- 105 Women received educational material on cancer screenings
 - 2 Cervical Cancer - referred - 0 diagnosed
 - 5 Breast Cancer - 3 referred - 0 diagnosed

Diabetes Program

- 116 Risk assessments completed, and diabetes education provided

Cardiovascular Disease

- 116 Risk factor assessments / screenings for hypertension referred; and cardiovascular Disease education information provided
- 12 Referred for medical evaluation and educational programs
- 7 Newly possible hypertensive

Eye Health Services

Beginning in October of 2011, the Department began partnering with the New Jersey Commission For The Blind & Visually Impaired, to provide eye screening for residents. Services include testing for visual acuity, glaucoma, cataracts and other eye diseases and conditions at our main office in Freehold and various other sites in the County. In 2013, further partnership was formed with Meridian Health Services to provide free screening for diabetes, body mass index, osteoporosis, cholesterol, cardio vascular risk evaluation and hypertension screening during the eye clinic and in 2014 also began collaboration with the Monmouth Ocean Food Bank who provides information and direction as Navigators for the Affordable Care Act at the clinic.

Vouchers are given for purchasing eye glasses, and referrals are made for free surgery for those who qualify. Clinics are held the second Monday of each month.

The Commission provides an Ophthalmologist for the screenings, and the Department provides the clinic facility, advertises the service, takes appointments, issues the vouchers for glasses, and obtains client information needed for treatment referrals.

Eye Clinic Statistics

- In 2015 we had 12 eye clinics
 - Number of people screened 321 – each person was provided an eye acuity, glaucoma test and also examined by the physician for other eye problems and or corrective lenses.
 - Nineteen of people referred for further evaluation/ treatment due to major issues/conditions found.
-

In 2015, six individuals were referred for glaucoma follow up, seven were referred for eye surgeries inclusive of retinal bleeding, cataract and a growth on the eye and in addition six were referred for diabetic retinopathy.

Ebola

The 2014 Ebola epidemic was the largest in history, affecting multiple countries in West Africa. Two imported cases, including one death and two locally acquired cases in healthcare workers had been reported in the United States, as per the Centers for Disease Control and Prevention (CDC). In 2015, monitoring of individuals returning from the affected countries continued.

CDC, New Jersey Department of Health (DOH), New Jersey Department of Human Services, and the Monmouth County Health Department (MCHD) are working together taking precautions to prevent cases of Ebola in Monmouth County and preparing our first responders and working with local hospitals.

As individuals return from countries identified with Ebola transmission, they are screened at the airport for symptoms as well as a potential history of direct exposure. Individuals that have been in the identified countries with no direct exposure are referred to their local health department for active monitoring. The active monitoring includes health department professionals interviewing the individual and having them report their temperature twice a day and any symptoms which they may have, to the health department. This allows any significant increase in temperature to be evaluated for possible disease. In 2014, four individuals were monitored for temperature and symptoms twice daily with no problems. In 2015, three individuals were monitored for temperature and symptoms twice daily with no problems.

The Health Department has also been working with local hospitals, County and local EMS to ensure safe handling of patients with personal protective equipment (PPE) training and proper disposal of contaminated items. These efforts were to ensure the immediate identification of a possible case and safe interaction and handling of individuals.

Health Fairs

In 2015, The Monmouth County Health Department participated in more than 25 health fair/town days. The Monmouth County Health Department brought informational materials and provided screening for oral cancer, hypertension and lead poisoning, consumer product testing for lead, cadmium, mercury and immunizations at the various festivals.

Child Lead Poisoning Prevention Program (Patient Focus)

The Monmouth County Health Department Childhood Lead Poisoning Prevention Program provides medical and case management to children with elevated lead levels, and free lead testing for children without health insurance. Children with lead levels above ten ug/dl are

placed into complete case management that oversees the medical components of the child's care as well as ensuring that sources of lead exposure are removed from the environment. Our Public Health Nurses and lead inspector/risk assessor licensed Registered Environmental Health Specialist work as a team to address the medical and environmental aspects of each case of elevated blood lead levels.

Lead poisoning is entirely preventable. The key to keeping our children healthy is to stop them from coming into contact with lead, treat children who have been poisoned, and educate parents and child caregivers about the dangers of lead.

In 2015, as part of a New Jersey Department of Health grant for childhood lead poisoning prevention, continued to provide consultant services and train and cover lead cases in other jurisdictions. We have been taking phone calls from other health departments to consult on lead cases and possible sources of lead, assisting in several jurisdictions, and testing consumer goods for other health departments.

The State of New Jersey has also asked us to provide *Leadtrax* and *Hometrax* training for New Jersey. The program is a web-based program to track all lead cases in New Jersey. Ten classes were held in 2015 with a total of 36 participants.

The Monmouth County Health Department offers free lead screening to children from the age of six months to six years old who do not have medical insurance. In 2014 and 2015, MCHD participated in the SSBG lead screening grant from the New Jersey Department of Health to screen all residents (adults and children) who were affected by "Super Storm Sandy."

For children with blood lead levels of ten or above, our licensed lead inspector/risk assessors check the home where the child lives as well as previous addresses within six months of the elevated blood lead level, and secondary addresses in which the child spent time during the week. This may include a babysitters, daycare or relative's home.

The lead inspector/risk assessors also conduct cursory inspections for the Monmouth County Housing Project. The housing project headed by the Monmouth County Community Development provides grant money to homeowners for repairs to their home. As part of the program, homes built before 1978 undergo a lead screening inspection. If any lead is found, the housing project hires a contractor to conduct a complete lead inspection including abatement of lead surfaces. In 2015, six houses were inspected through the Community Development program.

Healthy Traveler Program

The Centers for Disease Control and Prevention (CDC) makes recommendations for vaccination for individuals traveling internationally, based on the destination of travel and diseases endemic to that area.

Since 1998, the Monmouth County Health Department has provided an International Traveler Program in accordance with CDC guidelines, with tailored education as well as vaccinations for the traveler.

Since the program's inception, over 1,000 travelers have been provided with preventive education and vaccination prior to travel.

In 2015, over 300 individuals contacted the Monmouth County Health Department for travel-related purposes. In the same year, the travel clinic served 63 patients at ten scheduled clinics, and provided 102 doses of vaccine.

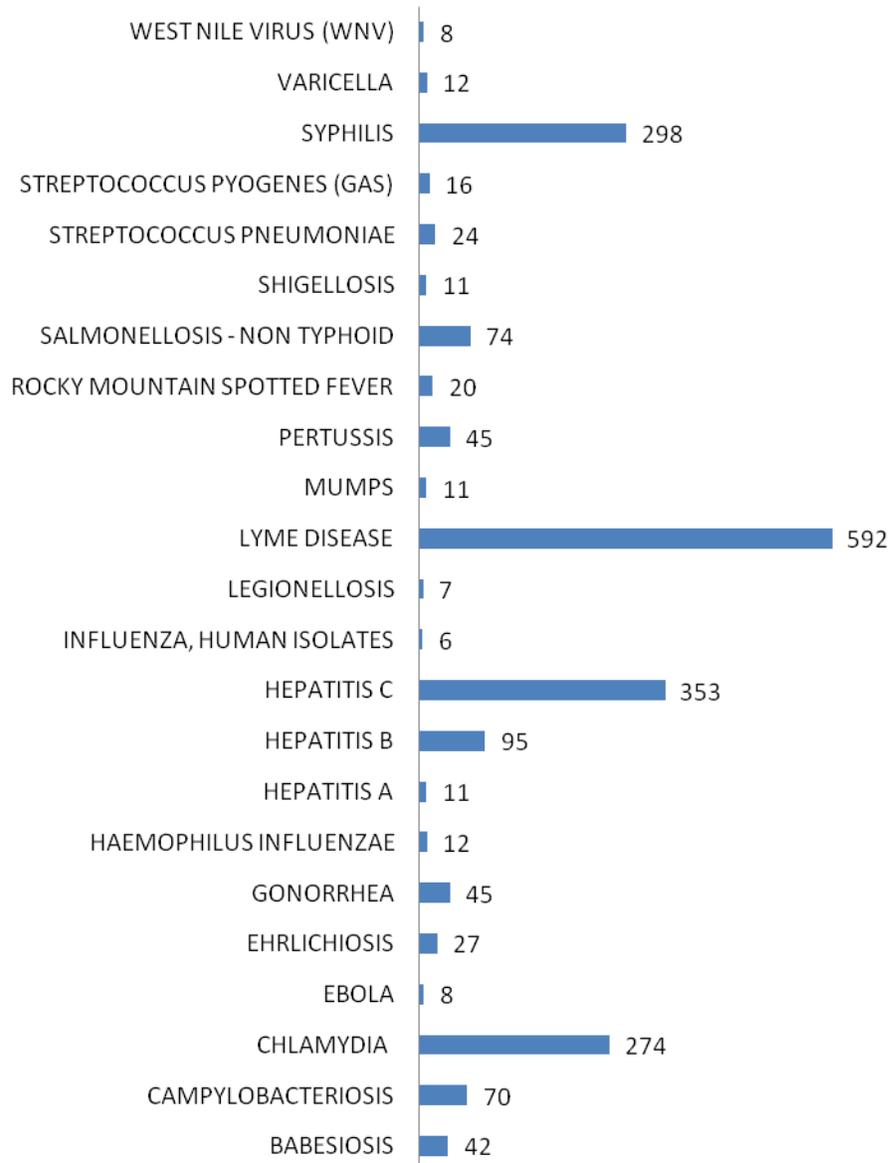
Infectious Disease Control and Surveillance

Surveillance is the ongoing assessment of the health of a community through the timely collection, interpretation and use of health related data. Surveillance tools like Hippocrates, Epicenter and Biosense assist the Epidemiologist in data collection and detection of anomalies suggestive of Public Health threats such as disease outbreaks and Bioterrorism.

Surveillance reports of influenza-like illness (ILI) are reviewed on a weekly basis. Schools, hospitals, physicians and nursing homes participate in the Influenza Surveillance. Additionally, the Epidemiologist investigates reportable diseases in accordance with New Jersey Administrative Code Title 8, Chapters 57, 58 and institutes control measures during outbreaks. The following is a list of reportable diseases investigated by Monmouth County Health Department.

The Infectious disease Epidemiologist investigates reportable diseases in accordance with New Jersey Administrative Code Title 8, Chapters 57, 58 and institutes control measures during outbreaks. A total of 13 outbreaks were investigated and reported to the New Jersey State department of communicable diseases. The outbreaks were respiratory and gastrointestinal. The following is a list of reportable diseases investigated by Monmouth County Health Department.

DISEASES REPORTED IN 2015



Monmouth County Medical Reserve Corp

The Medical Reserve Corp (MRC) is a 385 person team consisting of 238 medical professionals and 147 community volunteers. MRC volunteers have diverse skills and are trained and prepared to assist the County Health Department with public health priorities and emergency response. MRC's goal is to improve community resiliency and public health in the County. Members are asked to complete six core training courses: Orientation To Public Health, Incident Command Training, Psychological First Aid, Personal Emergency Preparedness, MRC Orientation, and Shelter Fundamentals. Other trainings include Teambuilding, Outbreak Investigation, START Triage, and Radiological Preparedness Training. Regular activities include providing volunteers to assist with annual flu clinics, health screenings, emergency preparedness training, health fairs, recruiting at local healthcare practitioner schools, and distributing public health information on lead poisoning, immunizations, and high blood pressure, and childhood obesity.

In January, 27 members attended a Creating Healthy Homes After a Hurricane or Flood class, February saw six members participating in the Pinebrook Care Center drill. In March, nine members participated in the Mayday Plane Crash drill where they performed triage. Ninety-six members responded to the question “Have you checked your smoke detectors and carbon monoxide detector” during April’s America’s Preparathon. June saw seven members join the United Way Rebuild New Jersey in Long Branch. Twenty two members were on stand-by for the Papal visit in September and 25 members were on stand-by for Hurricane Joaquin in October. Eighteen members participated in the Belmar Beach Bash for Autism in September where First Aid and Art Activity stations were manned. Eight members attended the Medical Needs Sheltering workshop that was held in Atlantic City in November.



2015 Central East Regional Point of Dispensing Drill

On December 10, 2015, the Monmouth County Health Department hosted a four county Point of Dispensing drill. The central east region consists of Monmouth, Ocean, Middlesex and Union counties. The objective of the drill was to integrate the four counties LINC's agency staff to be able to supply prophylactic medications to the public in a short period of time in a simulated anthrax attack, provide two hundred and twenty doses of medications per station within the point of dispensing, and integrate an Emergency Operation Center able to provide messaging to stakeholders and the public utilizing the New Jersey Department of Health JEM model for dispensing.

The drill was held at the Middletown Senior Center, where more than one hundred and fifty staff and volunteers from the four counties simulated a point of dispensing. The drill was successful in providing needed medications and educating the staff and volunteers as well as providing increased awareness should an actual incident occur. The Emergency Operation center was held on the campus at Croyden Hall where communication internally, among the counties and stakeholders as well as public messaging was developed and sent out utilizing the LINC's system, cell phones, e-mails and Mutualink electronic communication system.

Medical Needs Sheltering

The Monmouth County Health Department in cooperation with the Monmouth County Office of Emergency Management has been working with the stake holders in the county to further develop and plan for a Medical Needs Shelter.

In 2015, a brochure was developed to share with the public to help them prepare in case of the need for evacuation. The brochure has been distributed through various agencies and at public gatherings and health fairs.

Health Education- 2015

The Monmouth County Health Department staff is a dynamic, multi-disciplinary group, with expertise in areas ranging from hazardous materials response, public health nursing, environmental health, epidemiology and the myriad of public health topics that affect Monmouth County residents. This team is highly-regarded by local health partners as well as state agencies such as the NJ Department of Community Affairs, NJ Department of Environmental Protection Agency, NJ Department of Health and the Office of the Attorney General. In addition to receiving grant funds from each agency, staff is often invited to participate on state level task forces and speak at statewide conferences.

During 2015 our staff of Registered Environmental Health Specialists and Public Health Nurses was engaged in a Superstorm Sandy Recovery grant. The purpose of the grant was to promote increased awareness in the community of the connection between the condition of our homes and our health, particularly after a hurricane, or flood. Educational classes were held in Monmouth, Ocean and Middlesex Counties. Our staff conducted "train the trainer" classes for Local Health Departments, Medical Reserve Corps volunteers and for Citizen Emergency Response Team

members, so they could engage their local communities and provide educational trainings. A total of 37 one our classes were held in the three Counties, with over five hundred attendees.

A second portion of the grant was dedicated to educating our professional workforce on the association between environmental and safety hazards in the home and their effect on our residents health conditions. The class, Healthy Homes for Community Health Workers, was a full day training. It was presented in Monmouth, Ocean and Middlesex Counties. Attendees included Public Health Nurses, Fire Officials, Code Enforcement Officer, Registered Environmental Health Specialists, Social Workers, School Nurses and representative from the Division of Children and Families. Over two hundred home visiting workers were trained.

Our Public Health Nurses and Registered Environmental Health Specialist also worked on a project with the New Jersey Chapter of the American Academy of Pediatrics to develop a "Grand Rounds" presentation to the medical staff at hospitals across the state. The topic of the presentation was: Identification and Management of Lead Poisoning and Asthma. The program illustrates the link between a change in housing as a result of a natural disaster and health problems seen in the clinical setting.

Additional topics presented to the community by our staff included: Bedbug Control, Communicable Disease Outbreak Investigation, Emergency Preparedness training for our Medical Reserve Corps volunteers, and The danger of Lead Hazards to Children and Pregnant Women.

As a service to our member municipalities, we are pleased to provide a health department speakers bureau providing education sessions.

ENVIRONMENTAL HEALTH PROGRAM- 2015

In 1978, the New Jersey Legislature passed the County Environmental Health Act (CEHA), which directed the New Jersey Department of Environmental Protection (NJDEP) to begin partially funding Environmental Health Programs in County and regional health departments. The Monmouth County Health Department (MCHD) is the only local health authority of the six remaining health departments in Monmouth County whose programs are certified by NJDEP to perform investigation, enforcement, and regulation of air and noise pollution, solid waste disposal, recycling, hazmat emergency and terrorism response, hazardous waste storage and disposal, underground storage tanks, surface and ground water pollution. In addition to directly providing these services, the MCHD coordinates these services through uniform shared services agreements with one regional health department and three municipal hazmat teams.

On pages 85-87 of the “Strategic Plan, Monmouth County, May 2009”, Monmouth County residents give top ratings for the success of various services provided by MC government, including the Health Dept., regarding environmental cleanliness (75%) and the condition of beaches and coastal areas (73%) in MC. The Health Dept. tops the list of services that residents think are the highest priority for continued County support: protecting the environment and water quality (84%), and preparing emergency personnel for a disaster or other crisis (74%); and more than 2-in-3 residents think it is very important for the County to provide a facility for hazardous waste disposal (70%), and to provide health services, such as immunizations, screenings and restaurant inspections (69%). Four out of the top five categories of what residents think are the most important services to continue paying for are also provided by the Health Dept.: protecting the environment and water quality (96%), preparing emergency personnel for a disaster or other crisis (95%), providing a facility for the disposal of hazardous household waste (93%), and health services, such as immunizations, screenings, and restaurant inspections (92%). http://co.monmouth.nj.us/documents/145/Monmouth%20County_Strategic%20Plan%202009.pdf.

The MCHD Environmental Health Program commits our efforts where the most good can be achieved within the constraints of the budget and the scale of our post-9/11 duties. Super Storm Sandy quickly increased responsibilities for the department to provide the management of congregate shelters. Trained staff is needed from other County departments in order for the MCHD to adequately provide public health services as they emerge during future disasters.

Various environmental health reports, including an expanded version of the annual reports that are summarized below can be accessed at <http://co.monmouth.nj.us/page.aspx?ID=3390> .

WATER POLLUTION CONTROL PROGRAM

The MCHD Water Pollution Control Program acts as an agent to the NJDEP through the County Environmental Health Act (CEHA). Responsibilities of the Water Pollution Control Program include responding to citizen and NJDEP complaints related to water pollution, such events as fish kills, algae blooms, and illegal or dangerous discharges into water bodies. Other directives for the program are set forth by the Safe Drinking Water Act, Private Well Testing Act, Cooperative Coastal Monitoring Program and ambient stream water quality monitoring. This program also oversees Geographic Information Systems which supports environmental investigations, as well as Public Health initiatives.

Public Non-Community Wells: In 2015, 46 transient systems and 35 non-transient inspections were conducted. Inspection reports generated through the New Jersey Environmental Management System (NJEMS) are sent directly to the well system owners.

Private Well Testing Act (PWTA): Private wells, periodically or if involved in realty transfers, are required to be analyzed for primary and secondary USEPA and NJDEP water quality parameters. A total of 461 PWTA results were received from NJDEP. Letters were sent to residents within 200 ft. of wells that exceeded primary parameter standards, to advise those on shallow wells of possible risks to their drinking water.

Cooperative Coastal Monitoring (CCMP): Forty six bathing beach sites were monitored weekly during the recreational bathing season. There were no bathing beach closures due to bacteria in 2015. There were seven re-samples after initial sampling results exceeded bacteria standards, three of which were posted with an advisory. Six sites were monitored monthly during the winter months. Recreational bathing season sample results can be found at www.njbeaches.org.

Unguarded Beach Monitoring: Five unguarded bay/river beaches were sampled weekly during the 2015 bathing season. Results were posted to our newly created [Unguarded Beach web page](#).

Fish kills: Periodic fish kills of adult menhaden occurred during the springtime in the Navesink River. These fish kills were believed to be caused by hypoxia. In-situ water quality parameters, obtained by this department indicated dissolved oxygen levels plummeted during diurnal oscillations.

Phytoplankton: In 2015, Field observations made during the coastal monitoring program initiated 44 phyto plankton samples to be obtained and analyzed. On two occasions on different water bodies, Cyano-Bacteria (Blue Green Algae) cell counts exceeded safe levels. Health advisories were physically posted at these Lakes and posted to the Health Department website.

Sewage Pump Out Boat: The *Royal Flush* underwent major repairs during this year's boating season. Pump out services for the Navesink/Shrewsbury rivers were subcontracted to the NY/NJ Baykeeper organization in 2015. From late September through mid-October, The Baykeeper's pump out boat *Head Mistress* serviced 145 boats, removing approximately 3900 gallons of waste for proper disposal through an agreement with MCHD.

Ambient Surface Water Quality: Ten sites were sampled over five weeks for a variety of parameters, depending on their salinity and classification. Six sites are in the vicinity of

Monmouth Park to monitor water quality after upgrades to their stormwater collection system was completed; the other four represent sites with little impairment. Results are sent to NJDEP for inclusion on the USEPA Integrated List of Water Quality Limited Segments and may be found at <http://co.monmouth.nj.us/ambients.asp>. In 2015, Eighteen NJDEP ambient surface water sites were sampled weekly for bacteria and temperature over a five week period.

Watershed Management Initiatives: Staff participated in the Wreck Pond Brook Regional Stormwater Management Plan Committee. The staffs' scientific and local knowledge contributed to the planning of a secondary inlet/outlet structure currently being constructed at Wreck Pond. MCHD staff was present during Governor Christie's announcement of additional funding for the Wreck Pond initiative in Spring Lake in the summer of 2015.

Complaints: A total of 16 environmental and drinking water complaints were received and investigated primarily involving discharges into water bodies and discolored drinking water.

Environmental Laboratory: The laboratory maintained and calibrated state certified field sampling instrumentation, used in complaint investigations and ambient water quality sampling. Database management and sample tracking was performed for multiple projects and complaints. The laboratory analyzed 44 Phytoplankton (algae) samples for identification and enumeration.

Geographic Information Systems (GIS): Over 60 new GIS mapping projects were generated for programs during 2015. Most environmental, public health, and domestic preparedness datasets were updated during the year. GIS projects during the year primarily focused on environmental investigations and domestic preparedness. It was also utilized to improve daily workflow efficiency. One example of this is the generation of 200ft adjacent property owners lists for public notification of gross alpha radiation exceedances under the Private Well Testing Act.

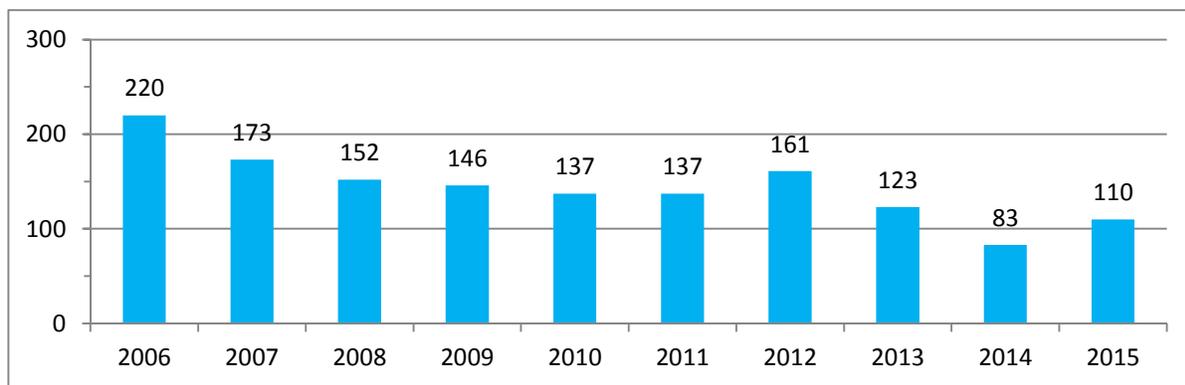
Website: The MCHD website continued to be a strong public information tool in 2015. An [Algae Monitoring and Advisory](#) page was created to provide information and guidance in the event of a harmful algae bloom. Also, a [videos](#) page was created, which contains several clips discussing multiple aspects of the health department. All pages of the MCHD website were maintained and updated throughout the year. A major goal of these updates was to improve accessibility from mobile devices.

HAZARDOUS MATERIALS RESPONSE/UST/PESTICIDE CONTROL PROGRAMS

The Monmouth County Health Department's Hazardous Materials Response Unit continues to provide outstanding hazardous materials and environmental response services to the citizens of Monmouth County. It is the responsibility of the hazardous materials unit to develop and maintain standardized hazardous materials (Hazmat) and CBRNE (Chemical, Biological, Radiological, Nuclear, and Explosive) emergency response capability, capacity, and competence. We maintain a core of highly trained and equipped personnel that will respond to hazmat and CBRNE emergencies and conduct investigations in coordination with the New Jersey Department of Environmental Protection (DEP), the Department of Health and Senior Services (DHSS), and the New Jersey State Police (NJSP) Special Operations Section.

The MCHD hazmat team is available to respond to any hazmat/CBRNE incident in Monmouth County on a 24 hour per day/ seven day per week/365 day per year basis. Each hazmat team member is equipped with a specialized emergency response vehicle containing all the detection, personal protection, and response equipment needed to handle most routine incidents in the field. The hazmat unit also maintains two heavy duty emergency response trucks capable of supporting extended operations for larger incidents. In addition, we maintain equipment capable of supporting command, logistics, decontamination, and mobile power needs at any incident.

We handle a wide range of incident responses each year from private citizens, business interests, industrial facilities, and government agencies. Incidents vary in nature from small residential spills of household chemicals and heating oil to large-scale industrial spills, chemical reactions, fires, illegal dumping and over the road accidents involving cargo spills or releases of motor vehicle fluids. A total of 110 responses/complaints were investigated during the 2015 calendar year.



MCHD Hazmat Unit Responses 2006-2015

The hazmat unit continues to be involved in domestic preparedness planning for the County. The hazmat unit's Program Coordinator maintains a seat on the County's Grant Working Group and LEPC, and regularly participates in other planning meetings with County OEM and the County Fire Marshall. Coordination with the County OEM and Fire Marshall has resulted in an integrated network of primary and secondary departments for mutual aid including hazmat/CBRN response and mass decontamination.

The regulated underground storage tank (UST) enforcement unit performed 65 facility inspections during 2015. The UST unit initiated 58 penalty actions and ten cease use/delivery ban orders in coordination with the DEP's Central Region Field Office. The UST enforcement unit also continues to enforce Clean Air Act regulations for stage two vapor recovery equipment as a part of our regular UST program responsibilities.

Our hazmat unit participated in a DEP pilot Pesticide Control Program (PCP) again in 2015. The Pesticide Control Program is primarily responsible for ensuring compliance with federal and state laws and regulations regarding the use, sale, transport, disposal, manufacture, and storage of pesticides in the state of New Jersey. It also promotes pollution prevention and pesticide use reduction through training and outreach activities involving Integrated Pest Management (IPM). Under the program, our staff performed compliance inspections of area landscapers, multiple family residences, unregistered products, and compliance assistance inspections of area schools.

In 2015, _____ inspections and complaint investigations were conducted by MCHD staff.

The hazmat unit is also responsible for handling all requests for review of Health Department environmental records. Access to government records by private citizens is governed under the Open Public Records Act (OPRA). A total of 470 OPRA requests were processed through the hazmat unit in 2015.

The hazmat/UST staff regularly provides support to other Health Department units and County agencies. We also participate in the Health Department's Cooperative Coastal Monitoring Program during the summer months. All members of the hazmat/UST staff also maintain certification in NJDEP odor field enforcement procedures to assist our Air Pollution Control Unit with after-hours complaints. Our UST unit provides compliance assistance for regulated underground storage tank systems to several County agencies and facility owners. In addition, the hazmat/UST staff provides logistics support for the Health Department's Strategic National Stockpile Personal Protective Equipment distribution program.

Continuing education and training are essential parts of our mission to provide a comprehensive emergency preparedness system throughout Monmouth County. The Health Department's hazmat unit maintains some of the most highly trained hazmat/CBRNE response personnel in the State of New Jersey. In 2015, we continued to expand our emergency response capability and competence by taking advantage of numerous federal, state, and local training opportunities.

SOLID WASTE CONTROL

The Monmouth County Health Department Solid Waste Enforcement Team (SWET) completed its twenty-eighth year of operation in 2015. Current personnel consist of a Program Coordinator–Solid Waste, Haz-Mat Technician, two Senior Environmental Health Specialists, two Haz-Mat Responders and two Environmental Services Trainees. Our scope of work for the previous year included compliance monitoring at a Major Operating Sanitary Landfill and Transfer Stations, Closed landfills, Class A Recycling Facilities, Class B Recycling Facilities – including General, Limited, and Exempt Activities, Compost Facilities, and Farmland Leaf Mulch Sites. SWET has an established program to monitor solid waste haulers for compliance with regulations governing registration and transporter requirements. We continued to conduct solid waste transporter interviews to determine their eligibility for exemption from the licensing process. Our field activities include recycling compliance inspections and waste audits at businesses and institutions throughout the County to ensure compliance with our Monmouth County Solid Waste Management Plan. SWET handles citizen complaints as well as investigates complaints received and referred to us by the NJDEP. One SWET staff member is assigned fulltime to oversee the operation of the Household Hazardous Materials Facility for the Monmouth County Reclamation Center. Additionally, three staff members are part of Haz-Mat Emergency Response Team.

Monmouth County has 247 various facilities that handle solid waste and/or recyclables, each requiring a minimum between 1 and 4 inspection per site per year with more frequent inspections conducted on as needed basis. The number of facilities range every year as new facilities are added, some operate on a temporary basis and others have ceased operating. The facilities range in size and include the following: exempt recycling or composting sites handling brush, leaves, asphalt, concrete or tires; NJDEP fully permitted operations handling similar products but on a

much larger scale; four transfer stations; one operating sanitary landfill and 28 closed landfills. Facilities that are found non-compliant receive a Notice of Violation (NOV) and are given a grace period to correct any deficiencies. In more egregious cases the grace period may not be warranted and the facility may be subject to a penalty assessment or court action. In 2015 we issued three NOV's and 1 summons to facilities we inspected. Facilities found to be operating outside of the scope of permitted work are brought to compliance through this enforcement action. SWET personnel conduct a number of joint inspections with NJDEP staff to ensure uniformity in enforcement protocols.

SWET conducted 367 recycling compliance inspections at businesses and institutions throughout the County. These resulted in 62 violations of the New Jersey Administrative Code's recycling regulations. These recycling regulations adopted by the State are based on local Municipal Ordinances, thus allowing us to easily incorporate local Recycling Coordinators and Code Officials into the enforcement process. We typically refer all initial violations to the municipality in which it occurred. Guidelines under the grace period law call for initial offenders to be afforded a period of 30 days to implement programs or strategies to bring the recycling program into compliance. In most cases this is achieved under the jurisdiction of local municipal enforcement. There still remain several towns which do not follow-up on our referrals, so in these cases we will re-inspect violators to ensure violators address their deficiencies. Evidence of the effectiveness of this system can be noted by the penalty actions taken by SWET in 2015. We issued just one summons for the 62 violations cited at local establishments for failure to recycle items mandated in the local ordinances. Our spring focus was on outdoor events including recreation, beaches and swimming pools, fairs and carnivals and all sporting events. Later in the year we focused on schools and hotels/motels. We plan on continuing this more goal oriented approach in 2016 with a focus on major retail chains, outdoor events and small retail establishments. In addition to recycling inspections of retailers the focus of NJDEP has shifted our direction starting in 2014 to concentrate our inspections on individual loads of trash being dropped off at the transfer stations. We inspect the loads for recycling content and follow-up with the generator and the hauler on correcting any infractions. A total of 156 loads were inspected resulting in 104 Notices of Violations and four summonses being issued.

During our inflow inspections at the Monmouth County's four transfer stations a total of 1,100 solid waste vehicles and/or containers were inspected resulting in 148 NOV's and 31 summonses being issued. Inspectors check for compliance with all registration and transporter requirements which are regulated under the New Jersey Solid Waste Management Act and the Monmouth County Solid Waste Management Plan. This includes inspections for banned or hazardous materials, regulated medical waste, or mandated recyclable materials being disposed in the waste stream. We also monitor haulers for compliance with Monmouth County Intrastate Waste Flow Control Requirements. This requires haulers transporting household waste to dispose of this material at the Monmouth County Reclamation Center (MCRC) or take it to an out of state solid waste facility for final disposition. Since the MCRC is a user funded public utility, it is extremely important that a steady flow of waste is received to keep the operation fiscally secure. The transporter violations that occur most frequently include; Failure to maintain solid waste vehicles or containers; Failure to ensure device used for solid waste transport is registered with the Department; Failure to properly mark solid waste vehicle/container; Failure to carry current DEP registration certificate; Failure to comply with limitations on approved registration; Collecting solid waste and source separated recyclables in the same vehicle. Solid waste containers are also inspected at various developments and construction sites. For the fourth consecutive year, no

Regulated Medical Waste or Waste Flow Control violations were cited. In addition SWET monitored proper disposal of 204 asbestos loads brought to MCRC by both homeowners and contractors. Monmouth County SWET is one of only several regional offices in the state that conduct exempt hauler self-generator solid waste transporter interviews on behalf of the NJDEP. A total of 57 applicants met the criteria and were interviewed and assisted in completion of the application for final processing by NJDEP.

We received a total of 55 complaints from local citizens and 22 complaint referrals from the NJDEP. Historically the majority of our complaints center on either: solid waste transporter activities, asbestos transport and disposal, or illegal dumping. Violations commonly cited include: Use of poorly maintained equipment resulting in waste spillage onto public roadways, Failure to dispose of solid waste at an approved facility; Illegal Dumping; Operating an Illegal Solid Waste Facility; Operating an Illegal Recycling Facility; Failure to properly seal asbestos in leak tight containment during transport, Failure to send to the State the Notification of Intent to Remove Asbestos prior to engaging in the activity; Conducting business as a Solid Waste Broker without possessing the required State license and certificate. All minor violations are served Notices of Violation and are reinvestigated for compliance after appropriate grace periods ranging from one to thirty days. Those violations which are non-minor (repeat offenses or knowingly/purposely committing a violation) result in the issuance of a municipal court summons or a Notice of Penalty Assessment. During 2015 our complaint investigations led to the issuance of one NOV, and one Penalty Assessment. As always we adhere strictly to all CEHA notification and reporting requirements regarding enforcement activities. The investigations of all NJDEP referrals were responded back to the State within five days with updates on current status.

SWET personnel were in attendance for the following educational and training courses; Annual eight Hour Haz-Mat Refresher, Haz-Mat Technician Refresher, Blood Borne Pathogens, Cardio-Pulmonary Resuscitation, Haz-Mat Training Drills, Municipal Recycling Coordinators Bi-Monthly Workshops, NJ Compost Operator Certification, Understanding Sustainability Management, NJDEP NJEMS Data Entry Refresher, Radiation Training, Recycling Webinars, Respirator Fit Testing, Right To Know, Solid Waste & Recycling Compliance Assistance Training. Additionally, one staff member completed the Certified Recycling Professional program and received the certification in September of 2015.

HOUSEHOLD HAZARDOUS WASTE FACILITY

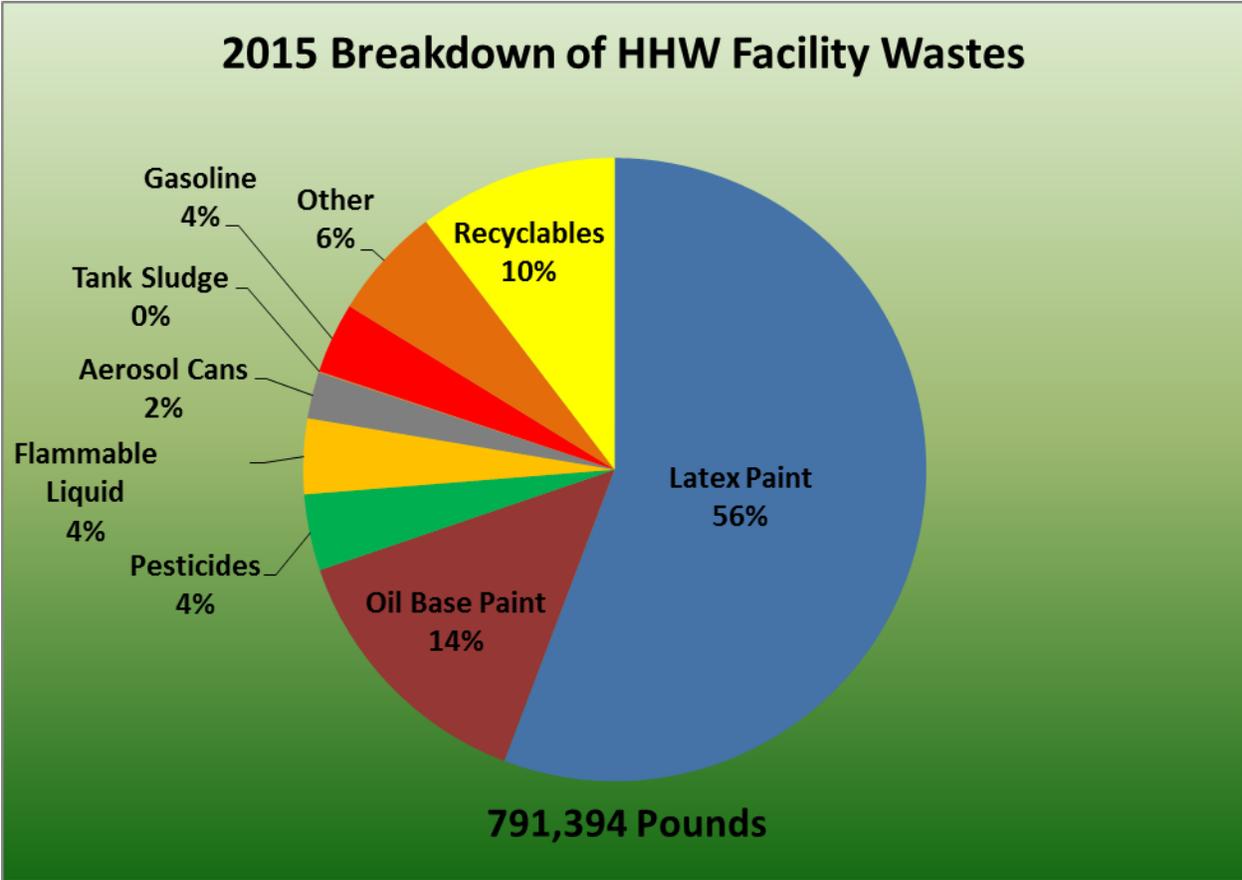
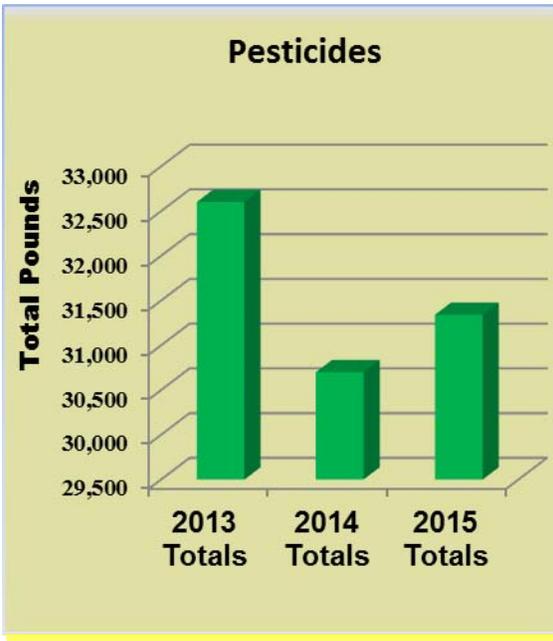
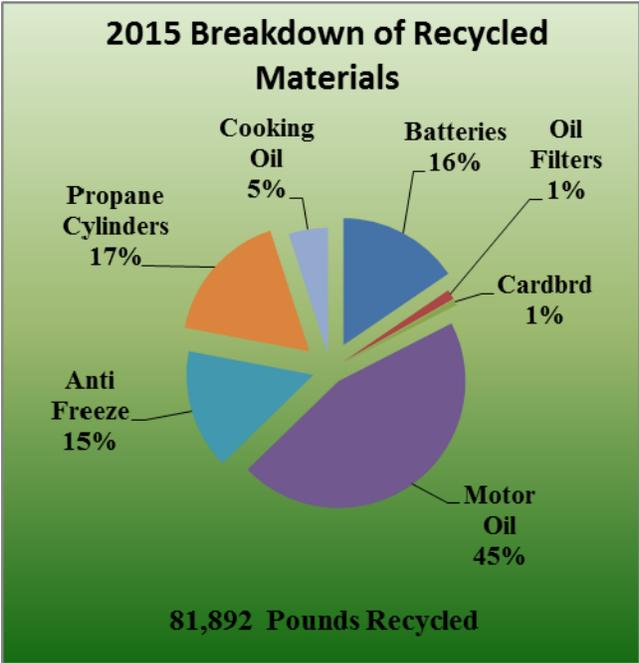
With continued support from the Board of Chosen Freeholders, The Monmouth County Household Hazardous Waste Facility (HHW) will begin its 20th year of operation in 2016. Throughout its inception, this permanent facility has provided County residents, non-profits, and government entities, with an environmentally safe disposal outlet for a variety of hazardous household chemicals that may otherwise end up in our waste stream. In 2015, more than 9,000 participants utilized this facility which generated over 790,000 pounds of hazardous household waste. There has been a significant increase in participation over the last three years including, 6,369 participants in 2013, 8,604 in 2014, and 9,265 participants in 2015. These increases can best be attributed to the abolishment of the previously required, "appointment system" which is no longer in place. County residents may continue to use this facility without the need to make appointments and on a first come, first serve basis.

Monmouth County employs a “Landfill Ban Restriction” on all HHW waste types. As a result, nearly 800,000 pounds of HHW have been recycled or properly disposed of. Monmouth County also does not use the household waste exemption for any hazardous wastes collected at the facility. All waste shipped from the facility is fully regulated as RCRA hazardous waste.

The Monmouth County Health Department operated this facility from 1996 through the end of 2013. Effective January 7, 2014, the County of Monmouth awarded the contract to an outside vendor to operate the Monmouth County Household Hazardous Waste Facility. A member of the Health Dept. staff serves as Facility Manager and oversees the daily operation of the facility. The Monmouth County Reclamation Center sponsors this essential service with continued Health Department oversight. Starting June 1, 2016, new hours of operation will be implemented as follows:

Tuesday & Wednesday	11:00-4:00
Thursday	11:00-5:00
Friday	11:00-7:00
Saturday	8:00-4:00





AIR/NOISE POLLUTION CONTROL PROGRAMS

During 2015, the Monmouth County Health Department Air and Noise Control Program performed 192 site visits 155 of which were minor source inspections.

Air and Noise Site Visits

In total, 192 site visits were made during 2015 compared to 244 in 2014.

<u>Site Visits</u>	<u>2015</u>	<u>2014</u>
Citizen Complaints	5	22
DEP Referrals	32	64
Minor Source	<u>155</u>	<u>142</u>
Total	192	244

Minor Source Inspections

This year, 155 minor source inspections were conducted compared to 142 in 2014. Although our requirement has not changed, the discrepancy in numbers reflects the transition from a calendar year to a fiscal year.

<u>Minor Source</u>	<u>2015</u>	<u>2014</u>
B sources	122	111
Dry Cleaners	<u>33</u>	<u>31</u>
Total	155	142

Noise Control Program

Twelve noise complaints were investigated in 2015. One of these complaints is an ongoing complaint that has yet to be resolved.

GIS/GPS Completed Projects

All maps for GIS are updated on an as needed basis. The dry cleaners map was updated regarding date inspected, permit renewal and equipment on site.

Looking Ahead

In 2016 we will complete our fiscal year 2015-2016 DEP requirements for minor source inspections. We will also continue to serve the residents of Monmouth County, particularly as they are affected by issues under the jurisdiction of the Air and Noise Program.

Monmouth County Health Department

2015 Activity Summary

1275 Flu vaccinations administered
1224 Tuberculosis clinic services provided
2,092 Communicable disease cases investigated
1,284 Clients treated at Sexually Transmitted Disease (STD) clinic
1023 Lyme disease cases identified; education also provided
321 Free eye clinic screenings provided
157 Women screened for cancer
385 Medical Reserve Corp volunteers registered

2,187 Dogs and cats vaccinated at 26 clinics

2,260 Routine retail food inspections performed
2,114 Well and septic inspections conducted

3,900 gallons were pumped instead of dumped in the ocean and other waterways
by the pump-out boat

967 Ocean and bay samples were analyzed through Cooperative Coastal
Monitoring Program to protect Monmouth County bathers
192 Site visits performed by Air Noise Program staff for minor sources and
complaints

470 Environmental property record searches performed by Hazmat personnel
688 Complaint investigations conducted department-wide
367 Recycling compliance inspections conducted

9,711 Public and Environmental Health work related activities performed by
department staff

791,394 Pounds of household hazardous waste were received from 9,265 residents at the
HHW permanent facility



2015 Health Department Annual Report



www.visitmonmouth.com/health