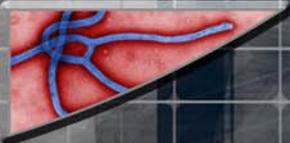




MONMOUTH COUNTY HEALTH DEPARTMENT



2014 ANNUAL REPORT



Monmouth County Health Department

Annual Report

2014

Christopher P. Merkel, M.P.H.
Public Health Coordinator & Health Officer

Mission Statement:

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

1. Monitor health status to identify community health problems.
2. Diagnose and investigate health problems and hazards in the community.
3. Inform, educate and empower people about health issues.
4. Mobilize community partnerships to identify and solve health problems.
5. Develop policies and plans that support individual and community health efforts.
6. Enforce laws and regulations that protect health and ensure safety.
7. Link people to needed personal health services and assure the provision of health care when otherwise unavailable.
8. Assure a competent public health personal healthcare workforce.
9. Evaluate effectiveness, accessibility and quality of personal and population-based health services.
10. Research for new insights and innovative solutions to health problems.

2014 Monmouth County Board of Chosen Freeholders

Lillian G. Burry, Director

Gary J. Rich, Deputy Director

John P. Curley

Thomas A. Arnone

Serena DiMaso

2014 Monmouth County Board of Health

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Dr. Jon Barone

Thomas Calabrese

Judy Thorpe

Michael Ticktin

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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 2014:

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

2014 Annual Report Monmouth County Board of Health

Overview

The Monmouth County Board of Health, established in 1978, is composed of nine members who are appointed by the Monmouth County Board of Chosen Freeholders. The Freeholder Board's function is to establish policy and govern 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 countywide 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.

Principle 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 Department is collaboration with community-based organizations and institutions to identify health problems and assure access to health services. For example, beginning in 2005, the Department worked in conjunction with the six 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, utilizing a strategic planning tool called Mobilizing for Action Through Planning and Partnerships (MAPP). This tool helps 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, risk factors for heart disease, adult and childhood obesity, and 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.

Working in conjunction with the Monmouth County Correctional Institution to provide Tuberculosis diagnostic and treatment services for inmates and staff.

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 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.

Organization 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.

Currently, the Department is composed of (54) 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 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 2014, 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 fifteen (15) Registered Environmental Health Specialists (REHS) enforce 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 2014, the Health Department Staff inspected (124) recreational bathing facilities including swimming pools, spas, splash parks, ocean bathing beaches and a water park. Staff members investigated (2) complaints involving recreational bathing sites. REHS Staff are also required to inspect Youth Camps each summer season. In 2014, (24) 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 before opening. 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 2014, the Department sponsored (26) clinics in our covered municipalities which provided free vaccinations to (2,187) 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 (322) animal bite investigations involving animal observation and an additional (46) investigations which involved specimen delivery to the State Department of Health Laboratory. Three (3) 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 2014, staff inspected (25) licensed facilities and responded to (11) animal related complaints.

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 2014, (329) plans for new septic systems and wells were reviewed to ensure compliance with (2,114) well and septic inspections conducted in 2014. This total reflects the certification of completion of (191) new septic systems, (48) 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. One hundred thirty-eight (138) plan reviews were conducted in 2014.

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 (6) complaints were investigated in 2014.

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 reviewed (3) new facility plans. Credential reviews were conducted for (12) new artists.

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 (118) artists from across the country, each requiring credential and training review prior to participating. One hundred five (105) booth inspections were conducted over the course of the event, with more

than 10,000 visitors attending. This event involves the participation of (6) staff members to maintain Health Department presence over all three days.

Tanning Facilities

In 2014, our Registered Environmental Health Specialist staff continued to inspect tanning facilities following the passage of statewide regulations. Twelve (12) facilities were inspected, and one complaint was investigated.

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 (121) complaints involving sanitation, food handling and/or food-borne illness. The REHS staff also responded to (21) 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 (182) retail food conferences throughout 2014.

The Health Department's dedicated and professional Registered Environmental Health Specialist staff completed (2,260) routine retail food inspections during 2014. This number includes mobile establishments and temporary events.

While there was no single event to rival 2012's "Bamboozle", staff diligently inspected more than (113) 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 a barbeque competition.

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. Nine (9) mold complaints involving landlords and tenants were investigated in 2014.

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 (30) investigations alone, with other types of critters such as roaches, lice, ticks and bees combining for an additional (30) 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. One hundred thirty-three (133) housing complaints were investigated in 2014 with an additional (181) re-inspections performed.

"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 2014 portion of the grant period, September 1, 2014 through December 31, 2014, our department conducted (14) 1-hour classes which were attended by (172) affected homeowners, and presented (7) full-day sessions attended by (84) 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.

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 2014, (129) immunization audits were conducted.

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 10 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.

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 2.

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 Kozloski 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 (421) children, administering (1,002) total immunizations.

<u>Infant and Preschool Immunizations</u>	Immunized	147
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<u>School Age Children</u>	Immunized	274
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Adolescent and Adult Immunizations

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 2014, we provided Hepatitis B vaccines to Marlboro Police, Matawan Police, Fire and First Aid, Neptune Schools, and Marlboro First Aid.

Seasonal Influenza Clinics

In 2014, the Department's team of Public Health Nurses provided greater than 2,000 seasonal influenza vaccinations at senior centers and various sites in various municipalities.

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 collaboration was formed between JSUMC and the Monmouth County Health Department to establish an STD clinic on the 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 in Neptune on Tuesdays and Thursdays from 4:00 to 6:00 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 2014, (1,441) clients were seen with concerns regarding sexually transmitted diseases at the clinic.

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 6 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-rays, physicals, medication management and monitoring of Tuberculosis cases and contacts. Tuberculosis testing services for employees of schools as well as Tuberculosis education and training in proper testing procedures is also provided.

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In 2014, the Monmouth County Health Department Tuberculosis Program provided care in (2,785) clinic visits. One hundred eleven (111) close contacts of TB cases were identified and examined. Additionally, the TB clinic staff provided Mantoux testing for (1,210) individuals, conducted (246) chest X-rays, and managed prescription therapies for (427) 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 8 times a year, and free mammography is available to uninsured women. Referrals are made for women in need of diagnostic evaluation.

Cancer Screenings

- 75 Women screened for cervical cancer (PAP test)
- 83 Women screened for breast cancer (Mammogram)
- 75 Women received breast examination by a physician
- 158 Women received educational material on cancer screenings
 - 6 Cervical Cancer - referred - 0 diagnosed
 - 5 Breast Cancer - referred - 1 diagnosed

Diabetes Program

- 150 Risk assessments completed, and diabetes education provided

Cardiovascular Disease

- 150 Risk factor assessments / screenings for hypertension referred; and cardiovascular disease education information provided
- 10 Referred for medical evaluation and educational programs
- 5 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.

Vouchers are given for purchasing eye glasses, and referrals are made for free surgery for those who qualify. Clinics began in October and 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.

In 2014, the department further partnered with Meridian Health Services. Meridian supplies (2) screeners at each clinic. They provide free blood pressure screening, body mass index, osteoporosis screening, diabetes and cholesterol screening. In the first year (279) individuals were screened and referred as needed.

Eye Clinic Statistics

Total Screened: 315

Ebola

The 2014 Ebola epidemic was the largest in history, affecting multiple countries in West Africa. Two (2) imported cases, including (1) death and (2) locally acquired cases in healthcare workers had been reported in the United States, as per the Centers for Disease Control and Prevention (CDC).

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 Monmouth County in November, (4) 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

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 10 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 2014, the Monmouth County Health Department was asked by the New Jersey Department of Health 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, actually assisting one in their jurisdiction, and testing consumer goods for three 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 (10) classes were held in 2014.

In 2014, the Monmouth County Health Department assisted with (8) inspections in other jurisdictions throughout New Jersey, and tested consumer products for (8) lead cases in other jurisdictions.

The Monmouth County Health Department offers free lead screening to children from 6 months to 6 years old who do not have medical insurance. As well in 2014 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.

In 2014, (560) children without insurance were screened for lead poisoning. Fifteen (15) children were referred to the Monmouth County Health Department for elevated blood lead levels.

For children with blood lead levels of 10 or above, our licensed lead inspector/risk assessors checked the home where the child lives as well as previous addresses within 6 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. A total of (16) inspections were conducted in 2014 related to children with elevated blood lead levels. Of the (16) inspections, lead was found in (14) of the dwellings.

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 repair on 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 2014 (6) houses were inspected for the Community Development program.

Consumer Product Testing

In 2014, the Monmouth County Health Department licensed an XLT unit designed to test consumer products for lead, cadmium and mercury content. Testing was done at health fairs, in homes of children with elevated blood lead levels, and for other health departments. A variety of testing was done throughout New Jersey to assist other health departments in determining a source of lead for children with elevated blood lead levels. Two hundred eighty-seven (287) items were tested. A Surma cosmetic was found to contain in excess of 28,000 parts per million lead.

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.

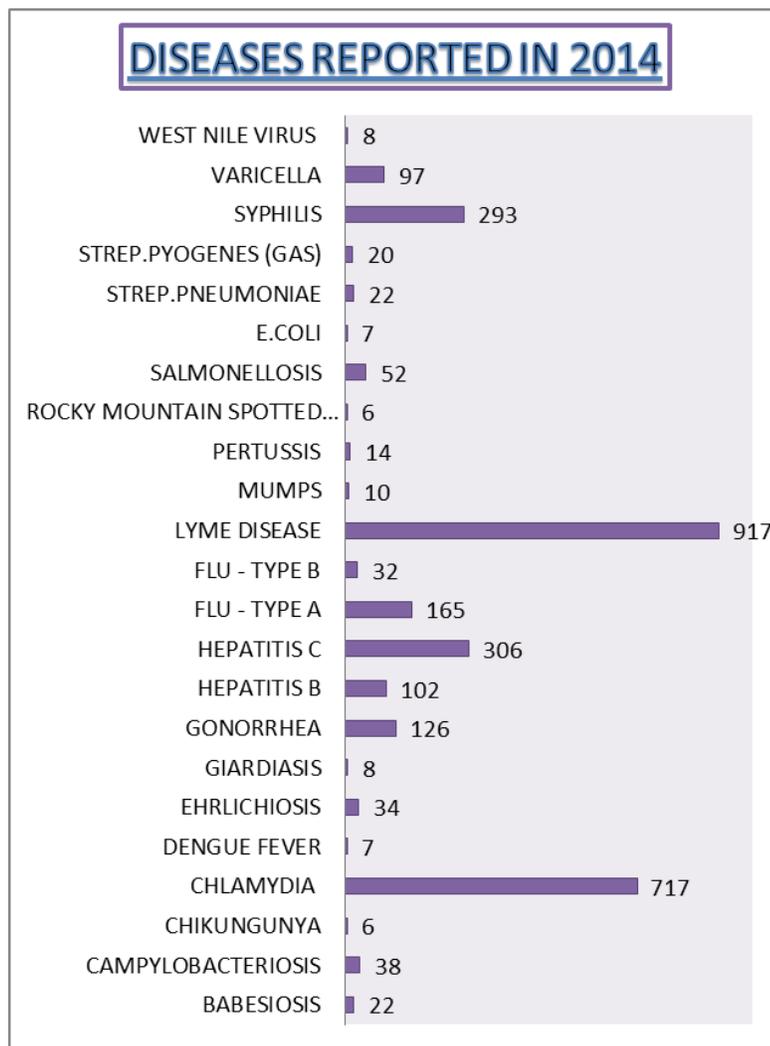
In 2014, over (300) individuals contacted the Monmouth County Health Department for travel-related purposes. In the same year, the travel clinic served (100) patients at (12) scheduled clinics, and provided (135) doses of vaccine.

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.



(Note: Diseases with 5 or more total cases are included. Hepatitis B and C include Acute, Chronic & Perinatal)

Disease Field Representative Report

Executive Summary

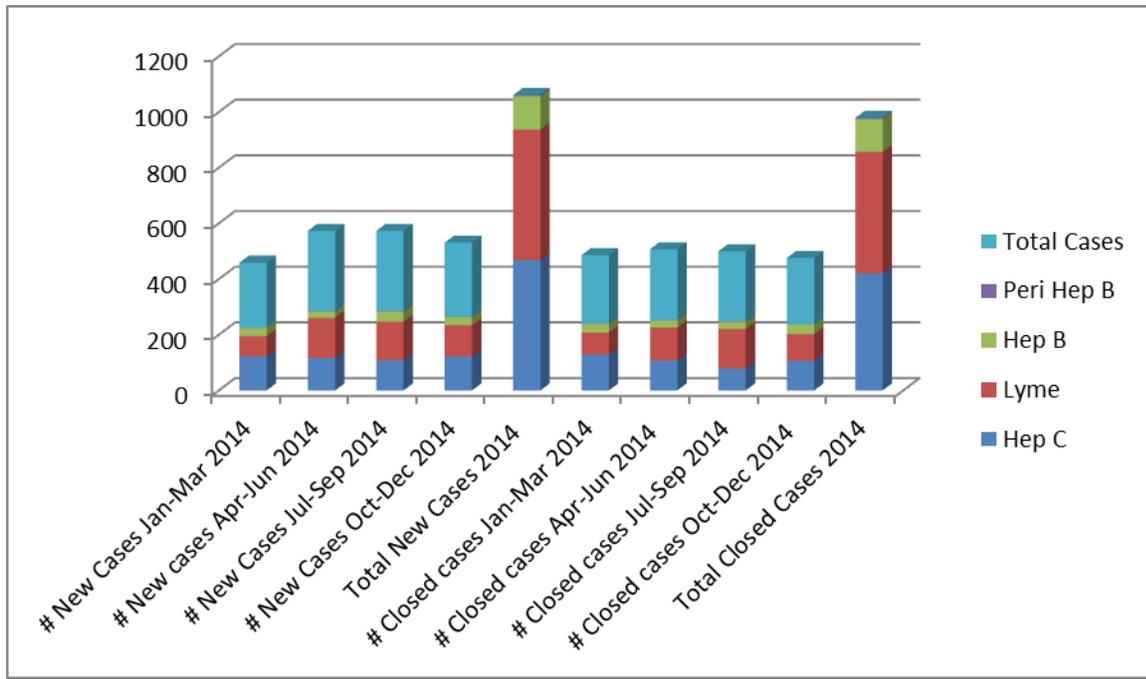
As the data shows, Lyme and Hepatitis C cases are abundant. Hepatitis C cases include both baby boomers (over 50 years old) and many young injection drug users who are being diagnosed as chronic cases at very young ages (average age is about 25). The data suggests we could consider doing more education in these two disease areas.

Communicable Disease New Cases Opened/Reopened & Investigation Begun (Monmouth County Health Department Town Data)

	New Lyme	New Hep C	New Hep B	New Peri Hep B	Current Peri Hep B	New Acute C	Current Acute Hep C (Epi)	Current Acute Hep B (Epi)	Peri Hep C	Total New Cases
Jan-Mar 2014	73	122	30	0	4	0	3	1	1	234
Apr-Jun 2014	144	117	23	1	3	1	1	1	0	288
July-Sep 2014	139	108	37	2	2	1	2	1	0	287
Oct-Dec 2014	113	121	30	1	4	1	3	0	0	266
Full Yr 2014	469	468	120	4	13	3	9	3	1	1,075

Communicable Disease Cases Confirmed and Closed Monmouth County Health Department Town Data

	Lyme Confirmed	Hep C Confirmed	Hep B Confirmed	Peri Hep B Not a Case	Acute Hep C	Acute Hep B	Peri Hep C	Total Cases Closed	Hep C Info Mailed
Jan-Mar 2014	79	129	31	1	5	1	0	246	19
Apr-Jun 2014	119	107	26	1	0	1	0	254	19
Jul-Sep 2014	142	79	26	2	1	1	0	251	24
Oct-Dec 2014	96	106	35	0	--	2	--	239	22
Full Yr 2014	436	421	118	4	6	5	0	990	84

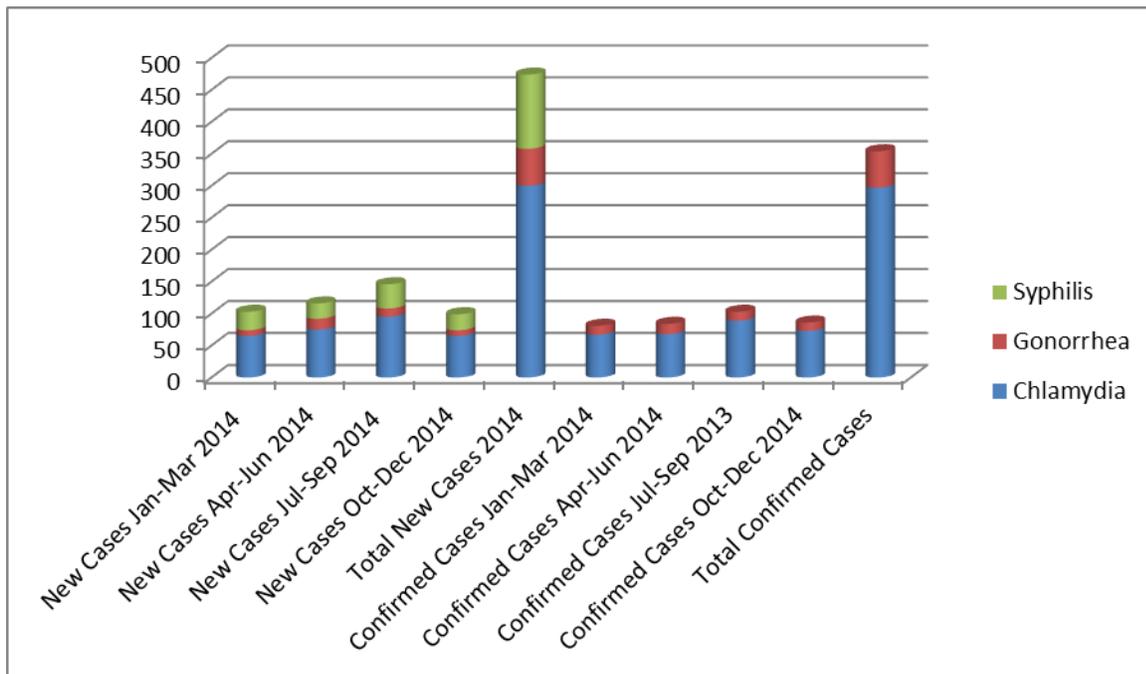


“New” STD Cases (County-Wide) Investigated (not including STD clinic cases)

	New Chlamydia	New Gonorrhea	New Syphilis (State investigates/confirm)	Home Visit to Inform Patient	Total New Cases
Jan-Mar 2014	65	9	29	4	103
Apr-Jun 2014	75	17	24	5	116
Jul-Sep 2014	95	13	38	1	146
Oct-Dec 2014	65	9	25	8	99
Full Yr 2014	300	58	116	18	464

STD Cases Confirmed, Treated and Closed in CDRSS by Field Representative

	Confirmed Chlamydia	Confirmed Gonorrhea	Total Cases Confirmed & Treated	Partners Informed	Disease/Clinic/Follow-up Info mailed
Jan-Mar 2014	67	14	81	91	24
Apr-Jun 2014	68	16	84	64	23
Jul-Sep 2014	89	14	103	76	32
Oct-Dec 2014	73	13	86	34	19
Full Yr 2014	297	57	354	265	98



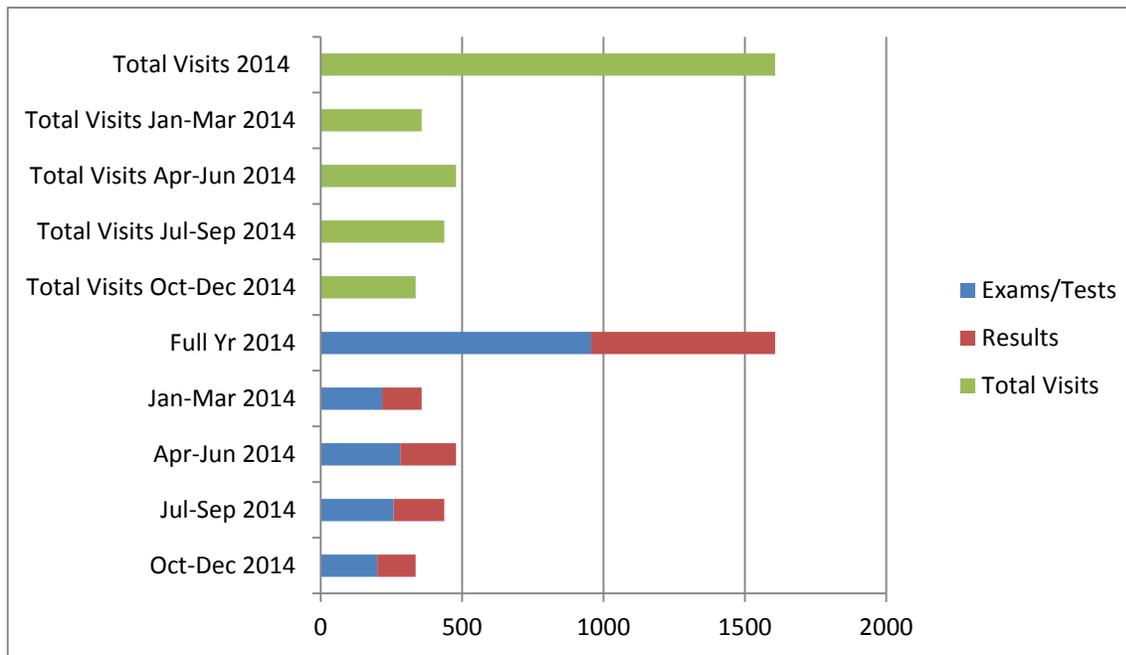
Notes:

1. STD cases are confirmed/closed after ensuring patient has been treated/educated on how to prevent re-infection and stop spread and partners notified to also seek treatment and testing.
2. STD Disease info from the CDC, follow-up info and clinic info is mailed to patients upon request so they may get test of cure, get free HIV testing and inform partners where they can receive low cost or free testing/treatment.

STD Clinic Summary and Recommendations

During the warmer months between April to September, the clinic typically has a higher number of patients seen (exams, testing and results education).

	<u># Getting Exams/Tests</u>	<u># Pts Getting Results/Education</u>	<u>Total # Pts Seen</u>
Jan-Mar 2014	217	140	357
Apr-Jun 2014	281	197	478
Jul-Sept 2014	258	179	437
Oct-Dec 2014	200	135	335
Full Year 2014	956	651	1,607



MCHD & School Health “Action for Fitness in Monmouth County”



Overview of Accomplishments

In eleven (11) months, Monmouth County Health Department’s Pediatric Obesity Prevention and Community Wellness Program known as “Action for Fitness in Monmouth County” worked to start three new School Health Councils (SHC) in the Asbury Park elementary schools.

The goal of these SHCs is to motivate and empower the school staff to be effective role models and to develop better nutrition education and encourage and increase daily physical activity. Together with our key partners, the Asbury Park School District, Safe Routes to School/EZ Ride-Meadowlink, Meridian Health and the Community YMCA, we developed walking and bike safety programs, the BOE passed a "party policy" to reduce sugar, portion sizes, and incorporate more fruits and vegetables at classroom parties and make all class parties meet the NJ standards for foods served in schools.

Environmental changes were implemented by building a school garden at Thurgood Marshall, and installing a mass media tool to broadcast reminders to exercise daily and eat healthy foods to the school community.

- ✓ Submitted a policy change for BOE approval that will require all school parties to adhere to the District nutrition guidelines which follow NJDOH guidelines. At Dec 2014, it was approved twice and needs one more BOE approval vote to be approved and implemented.
- ✓ Surveyed all students to find out what they know re nutrition & physical activity
- ✓ Evaluated current district Physical Activity policies and suggested changes that will support our mission
- ✓ Fostered an environment that lets the students know that physical activity is important for them to live long and healthy lives by starting/promoting:
 - roller-skating classes in gym
 - Moving and Grooving with Hopscotch
 - Walk to School Celebrations once a month at each school
 - Bike Rodeos for each school to teach bike safety, provide bike helmets and encourage biking as a lifelong physical activity

- a weekly Family Fitness Activity for students, staff and families to do fun cardio exercises together led by the YMCA
- a media tool that provides fitness reminders and healthy eating tips
- monthly articles for parent news/website re: nutrition and physical activity
- ✓ Promoted and utilized evidence-based initiatives and educational programs to teach kids about the importance of good nutrition and eating fresh fruits and vegetables such as
 - the Fresh Fruit and Vegetables grant,
 - Kid Power and Operation Lunch line 3D Musical
 - creating an edible vegetable garden at Thurgood Marshall school
 - donating a peach tree/strawberry plants to the PK and K classes at both schools to teach the kids how to grow healthy food and let them taste the fruits of their labor
 - encouraged the Food Service to look at the Smart Lunchroom program and asked them to post nutrition info and encourage kids to eat and taste a variety of fruits and veggies



Medical Reserve Corp (MRC)

The Monmouth County Health Department Medical Reserve Corp (MRC) is a (383) person team consisting of (233) medical professionals and (150) community volunteers. MRC volunteers have diverse skills and are trained and prepared to assist our County Health Department with public health priorities and emergency response. The MRC's overall goal is to improve community resiliency and public health in Monmouth County. All members are asked to complete (6) core training courses, including an Orientation To Public Health, Incident Command Training, Psychological First Aid, Personal Emergency Preparedness, an MRC Orientation, and Shelter Operations. 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.

Our volunteers actively participate in the Farmingdale School Health Council by aiding in their Walking School Bus program, and attend their monthly planning meetings. A team of (9) MRC served the broader community by staffing a fluid station at the New Jersey Marathon in April 2014.

Autism Awareness Training was held in April, where (13) members attended. Seventeen (17) members participated in the Belmar Beach Bash for Autism in September where First Aid and Art Activity stations were manned. Twenty-four members participated in the Great Shake Out in October, by dropping, covering, and holding their position for 60 seconds.



Environmental Health Program

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 Monmouth County government, including the Health Department, regarding environmental cleanliness (75%) and the condition of beaches and coastal areas (73%) in Monmouth County. The Health Department 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 Department 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](http://co.monmouth.nj.us/documents/145/Monmouth%20County%20Strategic%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. "Superstorm" 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

Major public health activities delegated by the County Environmental Health Act include those mandated by the Safe Drinking Water Act, the Private Well Testing Act and the Cooperative Coastal Monitoring Program. Response to citizen and NJDEP complaints regarding fish kills, algae blooms, and discharges into water bodies is another core priority. Our Ambient Surface Water Quality Monitoring Program, targeted water quality studies, and operation of the sewage pump out boat are additional environmental health initiatives. Geographic Information Systems (GIS) analysis techniques greatly improve the program's ability to conduct environmental investigations as well as planning Public Health activities.

Public Non-Community Wells

Seventy-three (73) transient water systems and (44) non-transient systems were inspected in 2014. Inspection reports generated through the New Jersey Environmental Management System (NJEMS) are sent directly to the well system owners.

Private Well Testing Act (PWTA)

Wells that involve realty transfers are required to be analyzed for primary and secondary USEPA and NJDEP water quality parameters. A total of (432) PWTA results were received from NJDEP regarding well tests that failed to meet one or more parameters, generally iron, manganese or pH. Letters were sent to (261) residents within 200 feet of wells exceeding gross alpha activity and/or nitrates standards to advise those on shallow wells of possible risks to their drinking water.

Coastal Cooperative Monitoring Program (CCMP)

Fifty-One (51) sites were monitored weekly during the recreational bathing season, with (6) sites monitored monthly during the winter months. There were (11) re-samples, each of which was posted with an advisory after initial sampling results exceeded bacteria standards, (10) of which followed rainfall. Other failures or proactive closures occurred during outfall construction in Long Branch, pumping down Lake Como onto the beach, and opening the Wreck Pond spillway following two heavy rainfalls to prevent flooding. There was one mandated closure due to a bacterial exceedance from sediment disturbance during a fish kill cleanup. Results and seasonal updates may be found on the web at www.njbeaches.org.

Shark River Fish Kill

A fish kill of adult menhaden in the Shark River triggered a massive response by the Health Dept. and (5) bordering municipalities. Approximately 750,000 to 1,000,000 menhaden entered the river, schooled and depleted the available oxygen.

Public works employees from all (5) municipalities with the assistance of two skimmer boats from Passaic Valley Sewerage Authority and over (200) Department of Correction inmates worked for more than a week on the cleanup. The lack of depth in the river hampered operations, as dead fish were hung up on the mudflats at low tide. It was believed dissolved oxygen plummeted during the diurnal oscillation, as readings were below the normal daytime range. Death by oxygen depletion was later confirmed by the NJDEP fish pathologist.

Phytoplankton

A moderate spring diatom bloom, mainly of *Chaetoceros sp.* and *Skeletonema sp.* kicked off the beginning of the season. Routine phytoplankton samples were collected during coastal monitoring sampling in the Bayshore. Two moderate phytoplankton blooms, one consisting mainly of *Eutreptia sp.*, the other of *Heterosigma akashiwo* were noted and identified by laboratory staff. In mid-July samples of a low bloom off the coast of mixed phytoplankton, mainly *Skeletonema sp.* and *Heterocapsa rotundatum*, were collected and identified.

Sewage Pump-Out Boat

Royal Flush pumped-out (11,660) gallons of sewage from (276) boats on the Navesink and Shrewsbury rivers. A grant of more than \$4,000 for operations and maintenance reimbursement was submitted to the Marine Trades Association under the federally funded Clean Vessel Act.

Ambient Surface Water Quality

Ten (10) sites were sampled over five weeks for a variety of parameters, depending on their salinity and classification. Six (6) sites are in the vicinity of Monmouth Park to establish water quality after renovating their storm water collection system; the other (4) 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>. Eight (8) NJDEP ambient surface water sites were sampled weekly for bacteria and temperature over another five week period.

Watershed Management Initiatives

Staff participated in the Wreck Pond Brook Regional Storm water Management Plan Committee and Technical Advisory Committee, and the Sediment Control Committee.

Complaints

A total of (25) environmental and drinking water complaints were received mainly involving sewage or grease spills into water bodies and discolored drinking water.

Environmental Laboratory

While most laboratory functions were outsourced in 2009, the laboratory maintains certification of field sampling equipment and instrument calibration, as well as database management and vendor sample tracking, along with algae identification and enumeration. This is critical to continuing our surface and groundwater programs.

Geographic Information Systems (GIS)

More than (45) new GIS mapping projects were generated during 2014. Most environmental, public health, and domestic preparedness datasets were updated during the year. A notable project involved the identification of over 25,000 residential tax parcels that were directly impacted by Super storm Sandy's maximum storm surge. This data will be cross-referenced with ongoing blood lead level testing being conducted by the Department to determine if there is any correlation between elevated blood lead levels in residential areas within the storm surge.

Website

The Health Department maintains a section on the Monmouth County website at www.visitMonmouth.com. In 2014, several new sections were added to the [Clinical & Preventative Health](#), [Environmental and Consumer Health](#), and [Lead Poisoning Prevention](#) pages. A new [Health Department News](#) section was created to provide department updates in one convenient location. The [Environmental Documents](#), [Beach Sampling Results](#), and [Calendar of Events](#), pages were updated throughout the year.

Hazardous Materials Response/UST/Pesticide Control Programs

Hazardous Materials Emergency Response

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 24/7/365 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. The hazmat unit performed a critical role in Monmouth County's response to the devastation wrought by "super storm" Sandy. We coordinated with local, state, and federal agencies to assess and remediate numerous hazardous items and their associated impacts throughout the affected areas of Monmouth County. In total, (244) items were identified and assessed over a 27-day period. One Hundred Forty-one (141) items were recovered for proper disposal and (103) claimed by owners or referred to other agencies. In addition, the hazmat unit identified (39) residential properties that were impacted by home heating oil spills caused by the storm. These properties were remediated and restored through the NJDEP Publicly Funded Response Program at no cost to the property owners. As of March 2013, all (39) properties were remediated and restored. Over \$298,000 was expended to complete this effort.

Domestic Preparedness Planning

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.

Regulated Underground Storage Tank Enforcement

The regulated underground storage tank (RUST) enforcement unit performed (71) facility inspections during 2014. The UST unit initiated (60) enforcement actions and (19) cease use/delivery ban orders in coordination with the DEP's Central Region Field Office. The RUST enforcement unit also continues to enforce Clean Air Act regulations for Stage II vapor recovery equipment as a part of our regular program responsibilities.

Pesticide Control Program

Our hazmat unit participated in a DEP pilot Pesticide Control Program (PCP) again in 2014. 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 PCP program, our staff performed (60) compliance inspections of area landscapers, multiple family residences, unregistered products, and (5) compliance assistance inspections of area schools.

OPRA Request Coordination

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 (309) OPRA requests were processed through the hazmat unit in 2014.

Supporting Other Agencies

The hazmat/UST staff regularly provides support to other Health Department units and county agencies. Hazmat staff provided logistics support to our public health personnel during shelter operations in the aftermath of Sandy. We also participate in the Health Department's Cooperative Coastal Monitoring Program during the summer months.

All members of the hazmat/UST staff 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

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 2014, we continued to expand our emergency response capability and competence by taking advantage of numerous federal, state, and local training opportunities.

Solid Waste Control Program

The Monmouth County Health Department Solid Waste Enforcement Team (SWET) completed its twenty-seventh year of operation in 2014. Current personnel consist of the Program Coordinator, Haz-Mat Technician II, Senior Environmental Health Specialist, and (2) Hazmat Responders. There are currently (2) vacant entry level positions that we hope to fill in early 2015.

The scope of work for 2014 included compliance monitoring at all major operating sanitary landfills 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.

Field activities include recycling compliance inspections and waste audits at businesses and institutions throughout the County to ensure compliance with the Monmouth County Solid Waste Management Plan.

SWET handles a high volume of citizen complaints as well as investigating complaint referrals from the NJDEP. We are also involved in oversight of the Household Hazardous Waste Facility and provide hazmat technicians for the Health Dept. Hazmat Emergency Response Program.

Solid Waste Facility Inspections

Monmouth County has (246) facilities for handling solid waste and/or recyclables, each requiring a minimum of one to four inspections per site per year. 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 solid waste transfer stations, one operating sanitary landfill and (27) 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 2014 we issued four NOVs and one summons to facilities we inspected. Those sites receiving a NOV

were prompt to respond to and correct the violations noted by inspectors. Some facilities are inspected by NJDEP personnel as well as SWET and we typically arrange for a joint follow up inspection with the NJDEP at non-compliant sites. This ensures uniformity in enforcement protocol and avoids conflicting reports from different agencies.

Recycling Compliance Inspections

SWET conducted (699) recycling compliance inspections at businesses and institutions throughout the County. These inspections resulted in (97) violations of the New Jersey Administrative Code's recycling regulations. The 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 facilities to ensure violators address their deficiencies. Evidence of the effectiveness of this system can be noted by the penalty actions taken by SWET in 2014.

We issued just two summonses for the (97) violations cited at local establishments for failure to recycle items mandated in the local ordinances. In addition to recycling inspections of retailers the focus of NJDEP has shifted starting in July to concentrate our inspections on individual loads 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 (79) loads were inspected resulting in (42) Notices of Violation (NOV) and one summons being issued. Our spring focus was on recreation areas, fairs, special events, and municipal bathing beaches. Later in the year we focused on supermarkets and dry cleaners.

During this latter phase of inspections we made great strides in dealing with regional corporate structure that allowed us to address recycling at dozens of stores in a chain rather than dealing with the stores individually. We plan on continuing this more goal oriented approach in 2015 with a focus on major retail chains.

Transporter Waste Flow Inspections

During our inflow inspections at Monmouth County's four transfer stations and one major landfill, (839) solid waste vehicles were inspected resulting in (151) NOVs issued and (15) court actions. 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 solid waste 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. For the third consecutive year, no Regulated Medical Waste or Waste Flow Control violations were cited. . In addition SWET monitored proper disposal of (197) asbestos loads brought to MCRC by both homeowners and contractors.

Solid Waste Complaint Investigations

We received a total of (46) complaints from local citizens and (23) 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 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 2014 our complaint investigations led to the issuance of (3) NOV's, (1) municipal court case, and (4) Settlement Agreements from Notices of 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.

Household Hazardous Waste Collection Program

Effective January 7th 2014, the Monmouth County Household Hazardous Waste Permanent Collection Facility located at 3211 Shafto Road in Tinton Falls saw a change in operation. The County outsourced the collection labor and disposal of materials to Radiac Environmental Services Company (Radiac) located in Brooklyn, New York. The contract is for a one year period with the option to extend for an additional year ending December 31, 2015. Radiac staffed and operated the facility under the Monmouth County Health Department's oversight. Some operational adjustments were made which has improved the drop off/participation process. The first major change was the elimination of the previously required appointment system. Monmouth County residents no longer make appointments to utilize the facility. The facility now operates on a first come first served basis during the open hours. The second change was the addition of night time collection hours. The facility is now open until 8:00 PM two days per week. The obvious advantage is that individuals with busy daytime responsibilities can now use this facility in the evening. A total of (8,604) participants dropped off (710,491) pounds of chemicals for the sum of \$452,329 which included all labor charges. The HHW program also continued its remote collection events during 2014, once in the spring and once in the fall.

There were a total of (609) participants that dropped off over (19,340) pounds of chemicals at the following locations, Hazlet and Upper Freehold. As in previous years the Health Department was able to repurpose and recycle certain items such as propane tanks, used motor oil, automotive lead acid batteries and corrugated cardboard for a cost savings of \$2,245.45. The recycling of these items continued the “green” initiative that the County promotes when dealing with environmental management.

Continuing Education

SWET personnel were in attendance for the following educational and training courses; Annual 8-Hour Hazmat Refresher, Hazmat Technician Refresher, Blood Borne Pathogens, Cardio-Pulmonary Resuscitation, Hazmat Training Drills, Municipal Recycling Coordinators Bi-Monthly Workshops, NJDEP NJEMS Data Entry Training, Radiation Training, Recycling Webinars, Respirator Fit Testing, Right To Know, Solid Waste & Recycling Compliance Assistance Training. One (1) staff member started the Certified Recycling Professional program training series with completion date set for May of 2015.

Air / Noise Pollution Control Programs

Overview

During 2014, the Monmouth County Health Department Air and Noise Control Program performed (244) site visits, (142) of which were minor source inspections.

Air and Noise Site Visits

In total, (244) site visits were made during 2014 compared to (294) in 2013.

<u>Site Visits</u>	<u>2014</u>	<u>2013</u>
Citizen Complaints	22	22
DEP Referrals	64	71
Minor Source	142	187
Complaint Re-Investigations	16	14
Total	244	294

Minor Source Inspections

This year, (142) minor source inspections were conducted compared to (187) in 2013.

<u>Minor Source</u>	<u>2014</u>	<u>2013</u>
B sources	111	114
Dry Cleaners	31	73
Total	142	187

Noise Control Program

Thirteen (13) noise complaints were investigated in 2014. A long standing noise complaint in Asbury Park which had been ongoing for several years was finally resolved in 2014 with the installation of new equipment at the facility.

GIS/GPS Projects

All maps for GIS are updated on an as needed basis. The dry cleaners map and all staff maps were made current this year.

Environmental Program Activity Summary

Air/Noise Pollution Control Programs:

- 86 complaint investigations
- 31 dry cleaner inspections
- 111 B source inspections
- 14 field Notices of Violation issued

Hazardous Materials Emergency Response Program:

- 85 complaint investigations/hazmat responses
- 309 OPRA requests processed

Pesticide Control Program:

- 1 complaint investigation
- 22 landscaper inspections
- 10 multiple family residence inspections
- 25 unregistered product inspections
- 5 school Integrated Pest Management compliance inspections

Regulated Underground Storage Tank Enforcement Program:

- 71 UST inspections
- 60 field Notices of Violation issued
- 19 delivery ban/cease use orders issued

Solid Waste Enforcement Program:

- 69 complaint investigations
- 2 operating sanitary landfill inspections
- 14 transfer station inspections
- 26 class A recycling center inspections
- 47 class B recycling center inspections
- 276 exempt and limited class B recycling center inspections
- 6 class C recycling center inspections
- 41 compost facility inspections

- 27 closed landfill inspections
- 50 farmland leaf mulch site inspections
- 27 leaf transfer facility inspections
- 95 convenience center inspections
- 55 exempt hauler interviews
- 699 recycling investigations/surveys
- 439 solid waste truck inspections
- 79 recycling truck inspections
- 321 solid waste container inspections
- 2 transporter route investigations
- 2 waste flow investigations
- 169 field Notices of Violation issued
- 26 penalty actions taken

Household Hazardous Waste Collection Program:

- 8,604 residents served
- 710,491 pounds of total waste collected
- 465,318 pounds of paint collected
- 30,700 pounds of pesticides collected
- 36,045 pounds of waste motor oil recycled
- 10,621 pounds of waste anti-freeze recycled
- 5,038 pounds of rechargeable and lead acid batteries recycled

Safe Drinking Water Enforcement Program:

- 2 complaint investigations
- 44 non-transient, non-community potable water supply inspections
- 73 transient, non-community potable water supply inspections

Water Pollution Control Program:

- 23 complaint investigations
- 60 ambient surface water quality samples taken and analyzed
- 942 recreational bathing beach samples taken and analyzed
- 33 algae samples taken and analyzed

Sewage Pump-out Boat:

- 276 boats serviced on the Navesink and Shrewsbury Rivers
- 11,660 gallons of sewage pumped

Geographic Information Systems:

- Over 45 mapping projects generated
- Major focus on supporting planning initiatives for public and environmental health concerns in the aftermath of "super storm" Sandy
- Maintenance of the Health Department's website

Monmouth County Health Department

2014 Activities Summary

2,850 Flu vaccinations administered
2,785 Tuberculosis clinic services provided
2,092 Communicable disease cases investigated
1,441 Clients treated at Sexually Transmitted Disease (STD) clinic
917 Lyme disease cases identified; education also provided
315 Free eye clinic screenings provided
233 Women screened for cancer
383 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

11,660 gallons were pumped instead of dumped in the ocean and other waterways
by the *Royal Flush* pump-out boat

1,006 Ocean, bay and river samples were analyzed through Cooperative Coastal
Monitoring Program to protect Monmouth County bathers

244 Site visits performed by Air Noise Program staff for minor sources and
complaints

309 Environmental property record searches performed by Hazmat personnel

688 Complaint investigations conducted department-wide

699 Recycling compliance inspections conducted

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

710,491 Pounds of chemicals were received from (8,604) residents at the Household
Hazardous permanent facility