

FY 2011 BEVERLY BOARD OF HEALTH ANNUAL REPORT

It is the mission of the Board of Health and its staff to serve as a resource intended to prevent, promote, protect and meet the multitude of health related needs of the community.

The following is a summary of the programs and inspectional activities implemented by the Board of Health and its' staff for the 2011 fiscal year (July 1, 2010 – June 30, 2011).

BOARD OF HEALTH

Frank S. Carbone, Jr., MD, Chairman
William J. Alpine, Jr., Esq.
Jerald A. Parisella, Esq. (resigned December 31, 2010)
Susan Higgins (appointed January 2011)

Medical Director, Demetrious Rizos, DO, FACP, FASN
Inspector of Animals, James Lindley

HEALTH DEPARTMENT STAFF

William T. Burke III, RS, CHO, Director of Public Health
Judith Balboni, Administrative Assistant/Clerk of the Board
Joseph A. Reale, RS, Environmental Analyst
John Fralick, Health Inspector (resigned August 18, 2010)
Santa Zingariello, Health Inspector (started November 29, 2010)
Kathleen McCullough, Principal Clerk
Patricia Zingariello, RN, BSN, CHO, Public Health Nurse

DENTAL CLINIC STAFF

Kiva Skolnick, D.M.D., Dentist
Susan Pelletier, RDH, Dental Clinic Hygienist
Judy Tanzella, RDH, Dental Clinic Hygienist
Kathleen Ambrefe, Clinic Coordinator

ENVIRONMENTAL HEALTH

The Board of Health is responsible for directing and administering a program of environmental health related services for the city and its residents. The Health Department is responsible for enforcing numerous State Sanitary and Environmental Codes as mandated by State law. Massachusetts General Law, Chapter 111, Section 31, provides the Board of Health with the authority to make reasonable health regulations. In addition to the mandated state regulations, the health department is responsible for the enforcement of local regulations. A variety of inspections are conducted to determine compliance with said codes and regulations. The following is a list of enforcement activities for FY 2011:

TYPE	TOTAL #
Plan Reviews/ compliance visit	96
Food Service Inspections	372
Food Service Re-inspections	287
Food Service Complaints	14
Retail Food Inspections	69
Retail Food Re-inspections	39
Retail Food Complaints	0
Mobile Food Inspections	7
Mobile Food Re-inspections	0
Temporary Food Inspections	1
Housing Inspections	50
Housing Re-inspections	37
Rooming House Inspections	22
Change of Occupancy Inspections	229
Change of Occupancy Re-inspections	32
Lead Paint Determinations	0
Nuisance/Trash Inspections	48
Nuisance/Trash Re-inspections	16
Recreational Camp Inspections	38
Recreational Camp Re-inspections	0
Semi-Public Swimming Pool Inspections	24
Semi-Public Swimming Pool Re-inspections	16
Tanning Facility Inspections	9
Tanning Facility Re-inspections	1
Soil Testing (Title 5)	4
Septic System Construction Inspections	37
Environmental Complaints	9
Court/Administrative Hearings	1
Food Related Hearings	2
Meetings, Seminars and Conferences	235
Beach Sampling (12 weeks)	132
Beach Re-Sampling	16
Animal Complaints	1
Body Art Establishment Inspections	0
Body Art Establishment Re-inspections	0
Body Art Practitioner License Review	11
Vaccination Clinics	14
TB Surveillance	15

NUMBER of PERMITS ISSUED as of JANUARY 1, 2011

Change of Occupancy.....	266
Food Related.....	261
Milk.....	186
Caterers.....	10
Tobacco Sales.....	44

Swimming Pools.....	12
Recreational Camps for Children.....	13
Disposal Construction Installers.....	11
Septic Haulers.....	11
Tanning Facilities.....	9
Dumpster Contractors.....	9
Body Art Establishments.....	2
Body Art Practitioners.....	9
Keeping of Animals.....	18
rDNA.....	3
Funeral Directors.....	2
Motels.....	1
Frozen Desserts.....	13
TOTAL.....	
880	

In FY 2011 the department continued to collaborate with other municipalities and organizations to receive grants/awards and to obtain favorable service contracts. Examples include:

GRANTS/AWARDS

- **\$196,404 –Public Health Emergency Preparedness Grant** from the Massachusetts Department of Public Health (MDPH). The grant was awarded to a fifteen-community coalition called The North Shore – Cape Ann Emergency Preparedness Coalition. The purpose of the grant is to develop a regional approach to public health emergency preparedness and develop specific public health roles/plans for infectious disease emergencies. For more information visit the coalition’s website at www.nscalert.org
- **\$14,285 – Medical Reserve Corp (MRC)**. Funding to recruit, train and drill medical volunteers for the Emergency Preparedness Coalition to utilize at events and in cases of emergency.
- **\$108,000 – MDPH Tobacco Control Program**. The grant was awarded to a ten-community collaborative called The North Shore Area Boards of Health Collaborative. The purpose of the grant is to provide enforcement support for the community’s *Environmental Tobacco Smoke and Youth Access to Tobacco Regulations*. One full and one targeted compliance check of the 44 establishments selling tobacco products were conducted. In addition, two store visits were conducted, one educational visit to insure each establishment had the appropriate signage and permits, the second to assess the emergence of Other Tobacco Products (OTP) that are inundating the retail markets.

- **\$50,000 – Local Public Health Collaborative Skin Cancer Prevention Project** from the North Shore Community Health Network. The grant was awarded to a seventeen community collaborative of local health departments. The goals of the project are to reduce skin cancer rates on the North Shore/Cape Ann area and to strengthen the capacity of local public health to work collaboratively.
- **\$750 MDPH Fluoride Rinse Grant** - Provides fluoride and supplies for the Fluoride Rinse Program. 1,148 students participated in the program during FY 2011.
- **\$9,240 MDPH Zostavax (shingles vaccine) Grant** - Used to provide immunization to 60 eligible Beverly seniors at no cost. This grant overlapped with the previous fiscal year. Cash donations in the amount of \$125.00 were collected and given to Beverly Bootstraps for their food pantry.

IN-KIND DONATIONS

Fluoride Rinse Parent Volunteers
 Jacqui Williams, MDPH
 Northeast Regional Ambulance
 Salem State Nursing Program
 Council of Aging Knitting Club

SERVICE CONTRACT

- As a member of the subcommittee of the Essex County Household Hazardous Collection Network we were able to negotiate a very beneficial collection contract with Clean Harbors Inc. for 2011, 2012 and 2013 that was significantly below the state contract prices and lower than previous contracts.
- The City of Beverly continues to be a member of the Northeast Massachusetts Mosquito Control and Wetlands Management District. The district services include, but are not limited to: catch basin treatments, selective ground adulticiding, habitat surveillance and emergency response aerial

The Board of Health/Health Department offered and sponsored a wide variety of community health, environmental awareness and educational outreach programs in FY 2011. Examples include:

COMMUNITY HEALTH

- **Beverly Dental Clinic** – Provides oral health services to schoolchildren, who otherwise would not have access to care. The total patient enrollment in the clinic for FY 2011 was 204, a decrease of 104 from FY 2010. The clinic continued the Fluoride Mouth Rinse Program in elementary schools with 1,148 students participating, an increase of 76 from FY 2010. The clinic provides ongoing

educational outreach. The clinic total insurance reimbursement for the year was \$28,667. The reimbursement will be used to offset operating costs in FY 2012. The high school project includes space for the dental clinic's assimilation. Efforts are ongoing regarding finding an entity for the operation of the School-based Health/Dental Center. The assimilation will aid in the sustainability of the ninety-five year old public health program. For a complete summary of clinic activities please see the FY11 Beverly Dental Clinic Annual Report

- **Annual Seasonal Flu Clinics** – Approximately 750 doses of seasonal Flu vaccine were administered at our flu clinics in the fall of 2010, which included first responders. With the continued help of Endicott nursing students, the Health Department's FY 2010 flu clinics were able to provide immunizations in an efficient and cost-effective manner. The use of nursing students benefits the department, the community and the students. We are happy to have had their assistance and plan on continuing this partnership in the future. A food drive to benefit Beverly Bootstraps was held at the flu clinics and cash donations of \$391.00 along with non-perishable food items were collected. The Health Department participated with other local health departments in a regional seasonal flu clinic conducted at the Northshore Mall on December 16, 2010. One hundred forty doses were administered. We continue to contract with Public Sector Partners to bill Medicare for our seasonal flu clinics. They are paid 10% of paid claims and we have found an increase in the rate of reimbursement above and beyond that 10% fee.
- **Student Nurses** – The department continues its partnership with Endicott and Salem State Nursing Programs. The Salem State RN to BSN Program was a one-on-one experience to expose students to public health nursing. Whereas this nurse was already a licensed registered nurse, she was able to provide hands on approach and assist with public health functions.
- **River House Shelter Nursing Services** – The health department serves as a resource for the River House staff regarding health-related problems or concerns. Nursing services for shelter clients was arranged with Partners Home Care through a grant. Unfortunately, grant funding ceased in June 2010 and nursing services are no longer provided. Partners Home Care continues to provide the following services: flu and pneumonia clinics and quarterly TB clinics. The health department will continue to work with the shelter to pursue sources of nursing services. The health department provides over-the-counter medications and supplies such as: individual first aid kits, sunscreen, gloves, hand sanitizer, cough drops, Tylenol, ibuprofen, bandages and alcohol swabs. Educational materials were provided to clients and staff.
- **Morbidity & Mortality** - There were approximately 198 deaths of Beverly residents where death occurred within the community. These figures include deaths at Beverly Hospital, three nursing homes, at home by illness and through accident or suicide. The leading cause of death is Heart Disease with the general category of Cancer as a very close second. Death by drug overdose has steadily increased over the last few years, similar to many other communities.

- **Communicable Disease Surveillance** – In accordance with 105 CMR 300.000: Reportable Diseases, Surveillance, and Isolation and Quarantine Requirements the health department is responsible for investigating the seventy-seven reportable diseases. The following reportable diseases were investigated this fiscal year:

Case Counts for Beverly (July 1, 2010-June 30, 2011)

Disease Name	Status	Event Counts
Babesiosis	CONFIRMED	1
Campylobacteriosis	CONFIRMED	7
Cryptosporidiosis	CONFIRMED	3
Dengue Fever	SUSPECT	2
Ehrlichiosis	REVOKED	1
Ehrlichiosis	SUSPECT	1
Giardiasis	CONFIRMED	3
Group A streptococcus	REVOKED	10
Group B streptococcus	CONFIRMED	7
Group B streptococcus	REVOKED	1
Hepatitis A	SUSPECT	1
Hepatitis B	CONTACT	2
Hepatitis B	PROBABLE	1
Hepatitis C	CONFIRMED	8
Hepatitis C	PROBABLE	12
Human Granulocytic Anaplasmosis	PROBABLE	1
Human Granulocytic Anaplasmosis	REVOKED	4
Human Granulocytic Anaplasmosis	SUSPECT	1
Influenza	CONFIRMED	9
Legionellosis	CONFIRMED	1
Lyme Disease	CONFIRMED	9
Lyme Disease	REVOKED	2
Lyme Disease	SUSPECT	13
Malaria	CONFIRMED	1
Pertussis (and other Bordetella species)	CONFIRMED	3
Polio	REVOKED	1
Salmonellosis	CONFIRMED	5
Salmonellosis	REVOKED	1
Shiga toxin producing organism	CONFIRMED	1
Shigellosis	REVOKED	1
Staphylococcus aureus (MRSA, VISA, VRSA, TSS)	CONFIRMED	114
Streptococcus pneumoniae	CONFIRMED	3
Streptococcus pneumoniae	REVOKED	1
Syphilis	SUSPECT	17
Varicella	PROBABLE	1
Varicella	REVOKED	1
Varicella	SUSPECT	4
Vibrio sp.	CONFIRMED	1

These cases do not include the vast numbers of illness complaints, including noroviruses, which are expected to be investigated but have not been laboratory confirmed. In addition, there were numerous animal bite follow-ups.

- **Massachusetts Immunization Program Vaccine Depot** – The Massachusetts Immunization Program (MIP) provides all of the vaccines for the Beverly Health Department. Vaccines are now drop-shipped directly to community vaccine providers by the State. A yearly audit is conducted by the Massachusetts Department of Public Health. Temperature logs and associated paperwork are reviewed for compliance with the immunization standards.

ENVIRONMENTAL AWARENESS

- **Household Hazardous Waste Collection Event** – The April 23, 2011 event was very successful, accepting hazardous waste from 259 vehicles, a decrease of 76 vehicles from last year. Beverly and Salem continued their reciprocity agreement this year allowing one another's residents the option of attending either event. In the fall, 45 Beverly residents attended Salem's event and 35 Salem residents attended Beverly's event. Also collected were 88 propane tanks, 110 automobile tires and 25 car batteries. The net cost of the event to the city was \$6,032.62.
- **Mercury Recovery Program** – Mercury thermometers may be exchanged for digital thermometers and other mercury containing products (i.e. thermostats, button batteries, etc.) may be dropped off for recycling. The following mercury containing products were collected this year: 16 thermometers, 29 thermostats, 3.7 lbs of button batteries and 2 lbs of elemental mercury.
- **Medication Take Back Program** – In conjunction with Beverly Hospital and the Beverly Police Department two collection events were held in FY 2011. The first was on September 25th and the second was on May 7th. Both events were well received. The September 25, 2010 collection was a regional collection including the communities of Beverly, Hamilton, Wenham and Ipswich. Three hundred ninety-nine pounds were collected with the majority coming from Beverly. This zone ranked second in the state for amount collected. On November 18th, the Health Department, Police Department and Beverly Hospital were honored with a plaque from North Shore Elder Services for the work that was done establishing and maintaining a Medication Take Back Program. The "We Give Thanks" award was given for community collaboration in a project that benefitted the elderly.
Beverly Hospital continues to provide a sharps kiosk in the hospital lobby for residents to dispose of their sharps on a 24/7/365 basis. The health department provides sharps containers at the Senior Center and City Hall for interested residents so that they may store their sharps prior to disposal.
The health department purchased four wall-mounted sharps containers for all the Senior Center restrooms to provide a safe alternative to disposing of them in the trash, thus minimizing potential needles sticks to the custodial staff.

EDUCATIONAL OUTREACH

- **Choke Saver Training** – In conjunction with the Greater Beverly Chapter of the American Red Cross, the department sponsored an anti-choking training for food service personnel. Approximately 37 food handlers participated in the training.
- **Third Grade Program** – The Dental Clinic arranged dental education visits to all third grade classrooms by a dental hygienist. The program sponsored by the Health Department is in recognition of February Dental Health Month.
- **Oral Health Education** – Our annual Dental Health Education Program was presented to all public and two parochial schools for grades K, 1, 3 and special needs. The program promotes good oral health habits to children.
- **Hoarding Task Force** – The Health Department continues to participate in this multi-discipline working group to deal with the difficult problems associated with hoarding.
- **BevCam** – Beverly Cable has been provided with educational DVD's which include the following topics: Respiratory Hygiene, Vaccine for Children, ICE the Forgotten Food, Beavers, Coyotes, Food Safety for Seniors, Flu Care at Home, Handwashing, Sun Safety and Bed Bugs.
- **Emergency Preparedness Coalition Volunteer Trainings** – Training topics for medical and non-medical volunteers regarding emergency dispensing sites and pandemic planning. Trainings held this year included: Behavioral Health, Sheltering, Small Animal Sheltering and First Aid.
- **Emergency Preparedness** – Conducted pandemic planning with the three Beverly nursing homes. In addition, a set of eight emergency preparedness posters were laminated and sets were given to the following: City Hall, the library, public and private schools and the YMCA. Funds also supported the donation of pediatric facemasks, good health habits coloring books and stickers for children waiting in the Emergency Department of Beverly Hospital.
- **Sun Safety** – The Public Health Nurse created a sun safety display at the public library. To encourage the use of sunscreen, packets of sunscreen accompanied the display. In addition, a sun safety poster contest took place for fourth graders. Winners of the contest received sun-safety prizes, as did participating classrooms. Participant's posters will hang at the library through the summer.
- **Mosquito/Tick Education** – Laminated posters and educational materials were prepared and presented to the following: Beverly Recreation Department, schools, library, City Hall, YMCA and summer camps.
- **Newsletters** – Articles on the following subjects were submitted to the Council on Aging newsletter: seasonal flu, handwashing, shingles and colon cancer.

- **Education on Wheels** – The department partnered with SeniorCare to disseminate educational materials on a monthly basis via their Meals on Wheels Program to reach the homebound clients they serve. Some of the materials included: emergency preparedness, extreme heat, how to dispose of unused medications, food safety for seniors, handwashing, extreme cold and seasonal flu.
- **Beverly Bootstraps** – The Health Department donated hand sanitizer and Kleenex packages to the Back to School Bonanza program, along with educational materials. In addition, we provided nutritional snacks for the after-school program, health-related books for the summer reading program and coordinated the donation of crocheted/knitted hats, mittens and scarves from the Council on Aging Knitting Club.
- **Health Fairs and Special Events** – The Public Health Nurse provides educational outreach at various events throughout the year. Examples have included: YMCA’s Healthy Kids Day, Employee Benefits Fair, Tiny Tots Day at Lynch Park, Back to School program at Beverly Boot Straps and Health Fairs at Endicott College and the Council on Aging. In addition, educational materials were provided to the Connecting Young Moms program at Beverly Hospital and various Boy and Girl Scout troops for badge activities. School nurses have received educational materials and posters for their schools and crocheted/knitted hats, mittens and scarves for needy children.

The Director of Public Health and the Public Health Nurse serve on a number of municipal and community committees, regional coalitions and professional organizations. Examples of which are: Emergency Medical Services Committee, Local Emergency Planning Committee, Hazardous Waste Oversight Committee, the Beverly Community Council, Beverly Resource Group, North Shore - Cape Ann Community Health Network, North Shore Area Boards of Health Tobacco Control Collaborative, Essex County Household Collection Network, North Shore – Cape Ann Emergency Preparedness Coalition, Community Advisory Council, TRIAD, Hoarding Task Force, Sun Safety Steering Committee and the Massachusetts Association of Public Health Nurses

The Board of Health charges fees for various permits and services. The following is a list of associated fees collected during FY 2011:

Housing Inspections.....	\$ 11,854.00
Food, Milk, Frozen dessert, Retail & Mobil	28,480.00
Caterers.....	890.00
Tobacco Sales Permits.....	2,200.00
Swimming Pools.....	1,300.00
Summer Recreational Camps	900.00
Soil tests, Title V, & Plan reviews.....	1,800.00
Installers/Haulers.....	1,650.00
Tanning Salons.....	1,000.00
Dumpsters.....	225.00

Body Art.....	1,400.00
Animal Keeping.....	750.00
rDNA.....	300.00
Motel.....	100.00
Other / Miscellaneous.....	<u>520.00</u>
 The total fees collected.....	 \$53,369.00

As we enter fiscal year 2012 the Board of Health and the Health Department will continue to conduct compliance inspections, investigate complaints and promote policies and programs to protect public health and the environment. We will continue to work with other municipalities and private organizations to obtain beneficial grant awards and cost effective service contracts.

On behalf of the Board and its staff I wish to thank Mayor Scanlon and the City Council for their support of our public health efforts throughout the year and for their anticipated assistance and support in fiscal year 2012.

Respectfully submitted,
For The Board of Health

William T. Burke III, RS, CHO
Director of Public Health

For more information, please visit our website at: www.beverlypublichealth.org

