

## **FY 2012 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 2012 fiscal year (July 1, 2011 – June 30, 2012).

### **BOARD OF HEALTH**

Frank S. Carbone, Jr., MD, Chairman  
William J. Alpine, Jr., Esq.  
Susan Higgins, PE

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  
Santa Zingariello, Health Inspector (resigned June 7, 2012)  
Kathleen McCullough, Principal Clerk  
Patricia Zingariello, RN, BSN, CHO, Public Health Nurse

### **DENTAL CLINIC STAFF**

Kiva Skolnick, D.M.D., Dentist (on medical leave)  
Dawna Kowalski, D.M.D., Dentist (started in January-fee for service basis)  
Susan Pelletier, RDH, Dental Clinic Hygienist (resigned November 30, 2011)  
Judy Tanzella, RDH, Dental Clinic Hygienist  
Kathleen Ambrefe, Principal Clerk (transferred December 31, 2011)  
Andrea Shuster, Principal Clerk (started December 5, 2011)

### **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. In addition to the mandated state codes, Massachusetts General Law, Chapter 111, Section 31, provides the Board of Health with the authority to make reasonable health regulations. In accordance with this provision, the Board modified its fee schedule (last done in 2004) and began the process of updating the regulation pertaining to recombinant DNA technology/biological safety during this fiscal year. A variety of inspections are conducted to determine compliance with said codes and regulations. The following is a list of enforcement activities for FY 2012:

<b>TYPE</b>	<b>TOTAL #</b>
Plan Reviews/ compliance visit	162
Food Service Inspections	302
Food Service Re-inspections	232
Food Service Complaints	24
Retail Food Inspections	64
Retail Food Re-inspections	37
Retail Food Complaints	4
Mobile Food Inspections	9
Mobile Food Re-inspections	1
Temporary Food Inspections	1
Housing Inspections	53
Housing Re-inspections	35
Rooming House Inspections	27
Change of Occupancy Inspections	283
Change of Occupancy Re-inspections	32
Lead Paint Determinations	0
Nuisance/Trash Inspections	45
Nuisance/Trash Re-inspections	27
Recreational Camp Inspections	34
Recreational Camp Re-inspections	0
Semi-Public Swimming Pool Inspections	26
Semi-Public Swimming Pool Re-inspections	22
Tanning Facility Inspections	5
Tanning Facility Re-inspections	1
Soil Testing (Title 5)	5
Septic System Construction Inspections	22
Environmental Complaints	19
Court/Administrative Hearings	0
Food Related Hearings	2
Meetings, Seminars and Conferences	280
Beach Sampling (12 weeks)	132
Beach Re-Sampling	12
Animal Complaints	1
Body Art Establishment Inspections	3
Body Art Establishment Re-inspections	2
Body Art Practitioner License Review	0
Vaccination Clinics	5
TB Surveillance	51

**NUMBER of PERMITS ISSUED as of JANUARY 1, 2011**

Change of Occupancy.....	317
Food Related.....	228
Milk.....	184
Caterers.....	10
Tobacco Sales.....	47
Swimming Pools.....	11

Recreational Camps for Children.....	15
Disposal Construction Installers.....	10
Septic Haulers.....	9
Tanning Facilities.....	5
Dumpster Contractors.....	9
Body Art Establishments.....	2
Body Art Practitioners.....	10
Keeping of Animals.....	18
rDNA.....	5
Funeral Directors.....	2
Motels.....	1
Frozen Desserts.....	14
Bathing Beaches .....	10
<b>TOTAL.....</b>	<b>907</b>

In FY 2012 the department continued to collaborate with other municipalities and organizations to receive grants/awards and to obtain favorable service contracts. Examples include:

**GRANTS/AWARDS**

- **\$184,066 –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](http://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.
- **\$115,000 – MDPH North Shore/Cape Ann Tobacco Alcohol Policy Program**. The grant was awarded to a fifteen-community collaborative. The purpose of the grant is to provide policy, inspection and enforcement support for the communities within the collaborative area. The goal of the grant is to maintain a presence in the retail environment coupled with enforcement to decrease accessibility to age restricted products.
- **\$100,000 – Massachusetts Department of Public Health District Incentive Grant (PHDIG)**. The grant was awarded to eight community partners (Beverly, Danvers, Lynn, Marblehead, Nahant, Peabody, Salem and Swampscott). The purpose of this grant is provide financial support for groups of municipalities to enter into formal, long term agreements to share resources and coordinate activities in order to improve the scope, quality and effectiveness of local public health services for their combined populations.

- **\$50,000 – Local Public Health Collaborative Skin Cancer Prevention Project** from the North Shore Community Health Network. The grant was awarded to an eighteen 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. The following objectives have been realized during the fiscal year: regional adoption of standard inspection tools for tanning facilities; 100% compliance to biannual inspections of tanning bed facilities; and implementation of outdoor UV exposure awareness/educational campaign including development of radio PSA's, website, tri-fold brochure, logo, tagline, trainings, and social marketing materials. For more information visit [www.sunsafety411.org](http://www.sunsafety411.org).
- **\$750 MDPH Fluoride Rinse Grant** - Provides fluoride and supplies for the Fluoride Rinse Program.

### **IN-KIND DONATIONS**

Beverly Dental Society  
 North East Home Care at Beverly Hosp.  
 Fluoride Rinse Parent Volunteers  
 Jacqui Williams, MDPH  
 Northeast Regional Ambulance  
 Endicott College 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 aerial response.

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The Board of Health/Health Department offered and sponsored a wide variety of community health, environmental awareness and educational outreach programs in FY 2012. 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 2012 was 259, an increase of 55 from FY 2011. The clinic continued the

Fluoride Mouth Rinse Program that was implemented by the school nurses at each elementary school this year. The clinic provides ongoing educational outreach. The clinic total insurance reimbursement for the year was \$28,026. The reimbursement will be used to offset operating costs in FY 2013. The high school renovation project includes space for the Health/Dental Center. A Request for Proposals (RFP) was issued in May of 2012. Northeast Health Systems was the sole respondent to the RFP. Contract discussions are ongoing, including incorporation of a dental component within the Health Center. The incorporation would aid in the sustainability of this ninety-six year old public health program. For a complete summary of clinic activities please see the FY12 Beverly Dental Clinic Annual Report

- **Annual Seasonal Flu Clinics** – Approximately 560 doses of seasonal Flu vaccine were administered at our flu clinics in the fall of 2011 and winter of 2012, which included first responders. With the continued help of Endicott nursing students, the Health Department's FY 2012 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 along with non-perishable food items were collected. In an effort to immunize a captive audience, we conducted a flu clinic at the Senior Center bingo game in the fall. We contract with Public Sector Partners to bill Medicare and Commonwealth Medicine for major private health insurance plans 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 230 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 seventy-seven reportable diseases. The following reportable diseases were investigated this fiscal year:

**Case Counts for Beverly (July 1, 2011 – June 30, 2012)**

Disease Name	Status	Event Counts
Babesiosis	CONFIRMED	4
Campylobacteriosis	CONFIRMED	7
Cryptosporidiosis	CONFIRMED	1
Cholera (Vibrio species)	CONFIRMED	1
Ehrlichiosis	REVOKED	2
Ehrlichiosis	SUSPECT	3
Giardiasis	CONFIRMED	2
Group A streptococcus	CONFIRMED	3
Group A streptococcus	REVOKED	15
Group B streptococcus	CONFIRMED	3
Hepatitis B	CONFIRMED	2
Hepatitis B	CONTACT	1
Hepatitis B	PROBABLE	1
Hepatitis C	CONFIRMED	21
Hepatitis C	PROBABLE	8
Human Granulocytic Anaplasmosis	PROBABLE	3
Human Granulocytic Anaplasmosis	REVOKED	9
Human Granulocytic Anaplasmosis	SUSPECT	2
Influenza	CONFIRMED	4
Legionellosis	CONFIRMED	1
Lyme Disease	CONFIRMED	10
Lyme Disease	PROBABLE	6
Lyme Disease	SUSPECT	28
Invasive bacterial infection (other)	CONFIRMED	1
Pertussis	CONFIRMED	1
Varicella	PROBABLE	5
Salmonellosis	CONFIRMED	5
Salmonellosis	REVOKED	1
Shiga toxin producing organism	CONFIRMED	1
Toxoplasmosis	SUSPECT	2
Staphylococcus aureus (MRSA, VISA, VRSA, TSS)	CONFIRMED	114
Streptococcus pneumoniae	CONFIRMED	6
Streptococcus pneumoniae	REVOKED	1
<b>Total Events/Cases</b>		<b>274</b>

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 some of which required post-exposure rabies prophylaxis.

- **Massachusetts Immunization Program Vaccine Depot** – The Massachusetts Immunization Program (MIP) provides vaccines for the Beverly Health Department. Vaccines are now drop-shipped directly to community vaccine providers by McKesson. 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 21, 2012 event was very successful, accepting hazardous waste from 182 vehicles, a decrease of 77 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, 23 Beverly residents attended Salem's event and 22 Salem residents attended Beverly's event. Also collected were 44 propane tanks, 40 automobile tires and 12 car batteries. The net cost of the event to the city was \$5,917.28.
- **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. Also, 4-8 foot bulbs may be dropped off at Dawson's Hardware. The following mercury containing products were collected this year: 36 thermometers, 54 thermostats, 21,440 linear ft of bulbs, 710 CFLs and 500 U-tube bulbs.
- **Medication Take Back Program** – In conjunction with Beverly Hospital and the Beverly Police Department two collection events were held in FY 2012 at the Senior Center. The first was on October 1st and the second was on April 28th. Participants received a gift bag filled with educational and emergency preparedness materials. Both events were well received. 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 safely store their sharps prior to disposal.

## EDUCATIONAL OUTREACH

- **Choke Saver Training** – In conjunction with Northeast Regional Ambulance, the department sponsored an anti-choking training for food service personnel. Approximately 22 food handlers participated in the training.
- **Employee CPR** – In conjunction with the Fire Department, a CPR with AED course was provided to interested City employees. The Health Department provided a face shield on a key chain to all participants. Approximately 16 employees attended.

In addition, the Dental Clinic Staff received an in-service on oxygen equipment use and bloodborne pathogens by Northeast Regional Ambulance.

- **Third Grade Program** – Dr. Stanley Sozanski of the Beverly Dental Society arranged dental education visits to all third grade classrooms from a Beverly dentist or hygienist. This program is sponsored by the Beverly Health Department 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 1, 3 and 5. The program promotes good oral health habits to children. The children received a toothbrush, sticker and activity book.
- **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, Bed Bugs and Extreme Heat.  
In addition, BevCam put on a live educational program for the elderly on Stroke prevention and education. The health department provided posters, educational materials and a DVD on Stroke signs and symptoms for all participants.
- **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 CPR.
- **Emergency Preparedness** – Conducted pandemic planning with the three Beverly nursing homes. In addition, sets of eight laminated emergency preparedness posters were given to the following: City Hall, the library, public and private schools, the YMCA and summer camps. 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.
- **Lions Recycle for Sight** – For children, clear vision means a better education, healthier development and a better quality of life. For adults, it means greater employment opportunity and economic strength. For seniors, it means less dependence on others. For the past several years, the health department has collected eyeglasses and changed someone's life by recycling them through a local Lions Club.

- **Mosquito/Tick Education** – Laminated posters and educational materials were prepared and presented to the following: Beverly Recreation Department, schools, library, City Hall, the 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 and extreme heat.
- **Channing Bete** – The Channing Bete Company creates research-based reliable health care resources in formats for readers of all ages. The public health nurse was invited to be a professional reviewer of new educational materials with an incentive of receiving 100 free brochures per review. In the past year, the health department has received brochures on the following subjects: solving conflicts, using social media safely, managing stress and preventing and treating the flu.
- **Education on Wheels** – The department partnered with SeniorCare to disseminate educational materials on a quarterly basis via their Meals on Wheels Program to reach the homebound clients they serve. Some of the materials included: emergency preparedness, sharps disposal, extreme heat, how to dispose of unused medications, food safety for seniors, handwashing, extreme cold, seasonal flu and stroke information.
- **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 Bootstraps and Health Fairs at Beverly Hospital, 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.

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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, Pioneering Healthy Communities and the Massachusetts Association of Public Health Nurses

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The Board of Health charges fees for various permits and services. The following is a list of associated fees collected during FY 2012:

Housing Inspections.....	\$ 14,103.30
Food, Milk, Frozen dessert, Retail & Mobil .....	31,690.00
Caterers.....	1,317.50
Tobacco Sales Permits.....	3,300.00
Beach Permits.....	100.00
Swimming Pools.....	2,200.00
Summer Recreational Camps .....	1,700.00
Soil tests, Title V, & Plan reviews.....	2,400.00
Installers/Haulers.....	2,562.50
Tanning Salons.....	875.00
Dumpsters.....	225.00
Body Art.....	1,750.00
Animal Keeping.....	1,100.00
rDNA.....	400.00
Motel.....	100.00
Funeral Directors.....	225.00
Other / Miscellaneous.....	<u>307.50</u>
 The total fees collected.....	 \$64,355.80

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As we enter fiscal year 2013 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 2013.

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](http://www.beverlypublichealth.org)

