

FY2021 BEVERLY BOARD OF HEALTH ANNUAL REPORT

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

The following is a summary of the programs and inspectional activities implemented and conducted by the Board of Health and its staff for the 2021 fiscal year (July 1, 2020 – June 30, 2021).

BOARD OF HEALTH

Frank S. Carbone, Jr., MD, Chairman (7/1/20-12/31/20) VACANT
William J. Alpine, Jr., Esq.
Susan M. Higgins

Medical Director, Demetrious Rizos, DO, FACP, FASN
Inspector of Animals, Matthew J. Lipinski, Certified ACOAM, NACA

HEALTH DEPARTMENT STAFF

William T. Burke III, RS, CHO, Director of Public Health
Kathleen McCullough (retired 2/19/20), Karen Alpine (2/22/21) Secretary I/Clerk of the Board
Joseph A. Reale, RS, Environmental Analyst
David Goodwin, Health Inspector
Karen Alpine (7/1/20 -2/22/21), Pam Woodberry (5/17/21), Principal Clerk
Teresa Kirsch, RN, BSN, Public Health Nurse

DENTAL CLINIC STAFF

Judy Tanzella, RDH, Dental Clinic Hygienist
Andrea Schuster (resigned 8/19/20), Rosa Babb (5/17/21), Principal Clerk

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, examples include, but not limited to: Nicotine Delivery (tobacco), Noise, Body Art. The Health Department enforces these BOH Regulations as well. The COVID-19 Pandemic greatly added to the Environmental Health Divisions workload as local health departments were the primary enforcement agents in their communities, enforcing and educating the public and business communities on the numerous business closings, local and state Orders and reopening sector guidance.

A variety of inspections are conducted to determine compliance with said codes and regulations. The following is a list of inspectional activities for FY2021:

TYPE	TOTAL #
Plan Reviews/ Compliance visit	181
Food Service Inspections	207
Food Service Re-inspections	70
Food Service Complaints	33
Retail Food Inspections	33
Retail Food Re-inspections	14
Retail Food Complaints	4
Mobile Food Inspections	5
Mobile Food Re-inspections	0
Temporary Food Inspections	2
Housing Inspections	13
Housing Re-inspections	3
Rooming House Inspections	7
Change of Occupancy Inspections	205
Change of Occupancy Re-inspections	2
Lead Paint Determinations	0
Nuisance/Trash Inspections	83
Nuisance/Trash Re-inspections	16
Recreational Camp Inspections	12
Recreational Camp Re-inspections	1
Semi-Public Swimming Pool Inspections	17
Semi-Public Swimming Pool Re-inspections	4
Tanning Facility Inspections	1
Tanning Facility Re-inspections	0
Soil Testing (Title 5)	2
Septic System Construction Inspections	25
Environmental Complaints	8
Court/Administrative Hearings	0
Food Related Hearings	0
Meetings, Seminars and Conferences	379
Beach Sampling (12 weeks)	121
Beach Re-Sampling	25
Animal Complaints	0
Body Art Establishment Inspections	3
Body Art Establishment Re-inspections	2
Body Art Practitioner License Review	0
Vaccination Clinics	35
TB Surveillance	0
Residential Kitchen Inspection	3
Biological Safety Establishment Inspections	2

North Shore Visiting Mothers Program visits 0
 Covid-19 Compliance 204

NUMBER of PERMITS ISSUED FY2021

Change of Occupancy.....	165
Food Related.....	475
Caterers.....	7
Tobacco Sales.....	43
Swimming Pools.....	5
Recreational Camps for Children.....	17
Disposal Construction Installers.....	10
Septic Haulers.....	7
Tanning Facilities.....	1
Dumpster Contractors.....	7
Body Art Establishments.....	3
Body Art Practitioners.....	10
Keeping of Animals.....	26
Biological Safety (formerly rDNA)	6
Funeral Directors.....	1
Motels.....	1
Bathing Beaches	11
TOTAL.....	795

In FY2021, the department continued to collaborate with other municipalities and organizations to receive grants/awards and to obtain favorable service contracts. Examples include:

GRANTS/AWARDS

- **\$137,231–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 events and other emergencies where public health has a response role.
- **\$23,778 – Medical Reserve Corp (MRC).** Funding to recruit, train and drill medical and non-medical volunteers for the North Shore – Cape Ann Emergency Preparedness Coalition and MA Responds. Volunteers are utilized at events and in cases of disasters within the fifteen communities that comprise the coalition. The trained, credentialed medical and non-medical volunteers prepared to staff Emergency Dispensing Sites (EDS), Disaster Shelters, and to support public health initiatives in our communities including COVID-19 activities. This year’s COVID-19 response included staffing at vaccination clinics, testing sites, pool testing in schools, calling centers, vaccine

registration assistance centers, distribution of PPE, and meals to those under isolation/quarantine.

- **\$125,000 – MDPH North Shore/Cape Ann Tobacco Alcohol Policy Program (NS/CA TAPP).** The grant was awarded to a fifteen-community collaborative. The purpose of the grant is to provide policy promotion, retail inspections and enforcement to all tobacco permit holders within the collaborative communities. The goal of the grant is to maintain a presence in the retail environment coupled with enforcement to decrease accessibility to age restricted products.
No compliance checks were conducted in FY21 due to COVID. One full round of retailer inspections along with pricing surveys were carried out at all retail tobacco merchants. Merchants were provided with new signs that are required under state law. Additionally, informational material was mailed to all retailers prior to the State law enactment date of June 1, 2021.
- **\$0 – Massachusetts Department of Public Health District Incentive Grant (PH-DIG).** Although the grant ended in FY16, the participating communities continue to meet on a regular basis to share best management practices, address common community concerns and investigate/apply for other grant opportunities. The original grant was awarded to eight community partners (Beverly, Danvers, Lynn, Marblehead, Nahant, Peabody, Salem and Swampscott) that comprise the *North Shore Shared Public Health Services Program (NSSPHSP)*. The purpose of this grant is to 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. The group worked on best practices and model North Shore Mother Home Visiting Partnership (NSMVP) and began looking at a regional approach to COVID-19 best practices and both flu/potential COVID vaccination clinics. As a state recognized regional program/entity, the participating communities were fast-tracked initial and subsequent COVID-19 support funding. Beverly received \$61,750 in October and \$18,865 in March.
- **\$100,000 – MDPH - Massachusetts Opioid Abuse Prevention Collaborative Grant.** The City of Gloucester Health Department/Healthy Gloucester Collaborative, City of Beverly Health Department/Be Healthy Beverly and Town of Danvers/Danvers Cares under the project name *Partnership for Opioid Prevention and Leadership*. The grant was for three years (FY21 is the eighth and final of the grant) of funding at \$100,000 per year to collaboratively address the issue of opioid misuse/abuse and unintentional deaths and nonfatal hospital events associated with opioid poisonings in these three municipalities. Local activities included the continued operation of a medication disposal drop box in the police station available 24/7/365 and the two, one-day medication take-back programs, distribution of the Youth Risk Behavior Survey data and continued development and capacity building of the Beverly Substance Abuse Prevention Committee (the working group of Be Healthy Beverly). Regional activities included: Police Department Crisis Intervention Partnership/Training (diversion from arrest to treatment); Building Youth Coping Skills (a Life Skills evidence based train-the trainer program for middle school aged youth); Overdose Prevention & Nasal Naloxone State Certified Train-the-Trainer

(stakeholders, school nurses); Scope of Pain certified medical provider training was offered to area physicians and outreach to the dental community about the online program.

- **\$100,000 – MDPH – Substance Abuse Prevention Collaborative (SAPC) Grant.** The focus of the grant is the prevention and reduction of underage drinking and other drug use in Massachusetts communities through a regional coalition that includes Beverly in conjunction with the City of Gloucester (fiscal agent & programmatic sponsor) and the Towns of Essex, Rockport, Manchester and Ipswich. The grant is for \$100,000 per year for three years with potential renewals. FY21 is sixth and final year of the grant. Over the past years the following was accomplished: ongoing capacity building (engaging stakeholders and strengthening partnerships including with schools, police, public health, and community volunteers); achieving greater consistency regarding data collection and assessment across the region to drive planning and strategies (school-based youth risk behavior surveys); ongoing implementation of evidence-based social/emotional learning curriculum in schools; implementation of alcohol compliance checks with media awareness; and sponsoring of various community awareness, education and training workshops and forums on youth substance use (including harms of marijuana, protective factors/coping skills, and skills-based training for those who work with youth).

SERVICE 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 (larvaciding), selective ground adulticiding, habitat surveillance and emergency aerial response.

The Board of Health/Health Department offered and sponsored a wide variety of community health, environmental awareness and educational outreach programs in FY2021. Examples include:

COMMUNITY HEALTH

- **COVID-19** – Once again this year, COVID-19 Pandemic activities taxed and at times overwhelmed the department. Local public health continued to be, the primary enforcement agent of COVID restrictions, involved with complaint investigations, conducting case investigations and contact tracing. Added to the mix this year was planning, standing up, and operating COVID vaccination clinics. There were 204 COVID related compliance inspections, rivaling food service and change of occupancy inspections for the greatest number. The administrative staff fielded hundreds of calls with questions on the entire gambit of this issue including, but not limited to, nursing home/assisted living concerns over loved ones, travel restrictions, testing options, mask questions, business requirements, vaccine availability, etc. They also had to track grant funding, overtime, part-time employees, etc. The Dental Hygienist was utilized as a medical screener at many of our vaccination clinic.

The following *excerpts* were taken from our weekly 209 Situational Reports to illustrate some of the activities.

July 2020

Mr. Goodwin, Mr. Reale and the temporary inspector (Mr. Giacalone) will continue spot-checking play structures, outdoor dining and retail stores and have added indoor dining, personal care services (nail salons, body art, etc.) into the mix as step 2 of Phase 2 began on 6/22. Also, as part of our regular inspection mandates we will have eyes on rec camps, semi-public pools and Farmer's Market

HR Director has informed us that the school nurses can be paid over the summer recess through public health grant funding. PH Nurse has identified several school nurses interested in summer employment and are completing the employment process. We have augmented our stable of nurses with the addition of a regional PH nurse previously working for Peabody to assist with weekend coverage.

Phase 3 started on Monday, 7/6/20 including fitness centers and changes to youth and adult sports. Compliance spot checks and assistance being conducted for those sectors.

Submitted (6/29) an invoice to Peabody for \$2,740.00 for regional funds for PH nursing. Received 7/29

PH Nurse and Director continue to participate in the School District Reopening Task Force currently meeting twice per week. Schools preparing three models, all in, all remote and hybrid of both. School Committee to review on 7/29 and plan to vote on a plan on 8/6/20.

DPH is hosting informational sessions this week 7/29-7/31 for Local Public Health municipalities with higher education campuses.

August 2020

PH Nurse and Director continue to participate in the School District Reopening Task Force currently meeting twice per week. PH Nurse and Director discussed with Superintendent Charochak the use of the MDPH quarantine guidance vs DESE guidance for school students and personnel. Superintendent agreed to implement and to add to the Districts re-opening plan. DPH and DESE resolved some conflicts around quarantine, masks and distancing.

PH Nurse and Director had a virtual meeting with Private Schools on 8/20 to become familiar with their planned reopenings and establish point of contact info.

September 2020

Advertised for additional nursing staff to assist with case investigation as school nurses return to school. We hope to bring several part-time nurses on board as schools and colleges reopen. We received several resumes for review. One candidate has been hired; a former school nurse will be a liaison with the BPS and Health Dept. Several other interviews conducted on 9/10 and 9/14. Three to four additional candidates will be offered PT nursing positions pending pre-employment requirements. The candidates all bring different strengths and have the ability to work nights and weekends.

Potential flu clinic site walk-throughs were conducted on Friday 9/11 with our regional emergency preparedness consultants/planners.

October 2020

The three additional nurses have been hired, 2 of 3 have completed the MAVEN training and will be coming on line. PH Nurse conducted a first responder flu clinic on 9/23 at central fire engine bay.

A BOH Emergency Order delaying implementation of Step 2 of Phase III of the Commonwealth's re-opening plan and limitations on gathering was issued and became effective at 12:01 am on Monday, October 5, 2020. The BOH met on 10/15/20 and approved the Emergency Order.

The Health Dept./city will be reimbursed up to \$3,923.69 via funds from MDPH Bureau of Infectious Disease and Laboratory Sciences (BIDLS) Immunization Division to support the enhancement of local influenza vaccine activities for the fall 2020 influenza season.

The 65 plus, preregistration (100 participates), drive through flu clinic was held on 10/21/20. The clinic was booked to capacity and ran smoothly. Thanks to Chip Palmer, Building Manager COA and Mark Foster and staff for logistical support with tents etc.

The Health Department received additional COVID funds (\$61,750.00) via District Incentive Grant COVID-19 Response Funds.

November 2020

The department has offered Flu mini-clinics for teachers providing in-person learning

The Governor announced on November 2, 2020 several targeted measures to curb rising COVID-19 cases and hospitalizations that included several Orders and an Advisory:

- Stay at Home Advisory <https://www.mass.gov/news/stay-at-home-advisory>
- COVID-19 Order No. 53 Order Requiring Early Closing for Certain Businesses and Activities, Limiting Hours for Alcohol and Adult Use Cannabis Sales, and Modifying

Chapter 138 License Renewal Requirements [[download](#)] <https://www.mass.gov/doc/covid-19-order-53/download>

□ COVID-19 Order No. 54 Revised Order Further Regulating Gatherings in the Commonwealth [[download](#)] <https://www.mass.gov/doc/covid-19-order-54/download>

□ COVID-19 Order No. 55 Revised Order Requiring Face Coverings in Public [[download](#)] <https://www.mass.gov/doc/covid-19-order-55/download>

The department sent a memo to all our permitted establishments, Beverly Main Streets and Chamber regarding the aforementioned orders/advisory. The effective date of these is 12:01 AM on November 6, 2020.

Due to the upcoming holidays, occupancy limit reminders were sent to larger food retailers on 11/23/20. Site inspections were conducted on 11/25/20. Said retailers were found to be in compliance, actively monitoring occupancy and other safety standards. Some implemented outside order pickup to further help de-densify inside space.

December 2020

The consistent increases in cases and number of contacts associated with those cases has saturated the time of the recently hired four PT nurses. At this time, more cases are being handed off to the CTC for follow-up at the discretion of the PH Nurse.

The Governor announced on December 8, 2020, Statewide Rollback to Phase 3, Step 1 and additional restrictions effective December 13th. The additional restrictions include but are not limited to; Restaurants and Venues – no more than six patrons per table, impose a 90-minute time limit on tables, patrons must wear masks at all times except when eating and drinking, musical performances at restaurants will no longer be permitted. Offices and Gyms – patrons must wear masks at all times in gyms. In offices, employees must wear masks at their place of work when not in their own workspace and alone

The department has conducted outreach and education to sectors that have been affected. Beverly Main Streets and Chamber were contacted regarding the aforementioned changes. Inspectors have been conducting compliance checks (with and without BPD) of restaurants, grocery stores, gyms and responding to any complaints.

The CTC is experiencing surge capacity as well and they continue to add more personnel

On December 22, 2020, the Governor announced Temporary Revisions to COVID-19 Measures effective December 26th. The revisions reduce occupancy limits from 40% to 25% across many sectors, the specific sector guidance remains in place.

The department is conducting outreach and education to sectors that will be affected. Beverly Main Streets and Chamber will be contacted regarding the aforementioned changes.

Local Public Health is discussing its role in the pending vaccinations. Salem, our district lead, was approached about capacity of assisting/providing vaccination clinics for first responders. Salem, as the lead, submitted a survey on behalf of the eight-community district as DPH set a minimum of 200 responders to qualify for consideration. Salem was informed earlier this week that they/we were accepted. Planning continues on the best, most efficient and swiftest way to accomplish this. There is no funding support for this and the state software to help/track this effort is not yet finalized. There is a planning meeting with the district partners and their public health nurses scheduled today 1/6/21 to discuss logistics further. Further planning and logistic meetings were conducted this week with still others planned.

On December 20 and 30, 2020 there were meetings of regional communities to discuss Hospital trends and possible regional municipal rollbacks of sectors. Invitees include Mayors, Town Managers, Public Health Directors, Board of Health Members and Hospital CEOs. District Communities include Salem, Lynn, Peabody, Beverly, Marblehead, Danvers, Swampscott and Nahant. On January 4, 2021, the regional group decided to hold off on local rollbacks in part due to the Governor's Temporary Revisions effective December 26, 2020. The matter maybe revisited as new data is obtained.

January 2021

The proposed clinics will take place at Marblehead COA and at Beverly MATF anticipating the week of 1/11/21 pending shipment of vaccine and in sufficient numbers.

First responder clinics were held in Marblehead on 1/11 and 1/12 and in Beverly on 1/13. Additional Beverly clinic will be held on 1/14 and 1/15.

On December 22, 2020, the Governor announced Temporary Revisions to COVID-19 Measures effective December 26th to January 10th but may be extended. Measures extended to 1/24/21. Measures expired on 1/25/21. The revisions regarding occupancy limits from 40% to 25% across many sectors remains in effect. The specific sector guidance remains in place.

On 1/22/21 Eight NS communities (Salem, Swampscott, Marblehead, Lynn, Nahant, Beverly, Peabody, Danvers had a meeting with mayors/Town Managers and health departments to discuss regional vaccination clinic. Sites mentioned were SSU, NS Mall, Lynn Tech. The group to continue to discuss/fine tune.

Phase 2 clinics are tentatively scheduled at SSU South Campus for the week of 2/1/21. The second dose first responder clinics are scheduled for the week of 2/8/21.

State has informed LPH that vaccine supply is tight and we may only request 100 doses per week.

PHN continuing case management work and actively involved with BPS and two colleges. To better facilitate support of Endicott College with case investigation as the PHN is pivoting to vaccinations, Endicott has been switched to The CTC Prime model for higher education. PHN also organizing and participating in regional vaccination clinics. Inspectional staff continues to monitor/investigate complaints of non-compliance with reopening sector specific protocols and best practices and answer business questions on operations and evolving guidance.

February 2021

Additional meetings were conducted this past week. Discussions included a model of conducting clinics (2x/week) rotating through the five communities whereas vaccine limits to community LBOH is limited to 100 doses and regional approaches are looked at more favorably for receiving vaccine. Also mentioned was that Salem would transition operation of the Salem State Site to Cataldo Ambulance to offer additional clinics open to all five communities.

A Phase 1 Clinic was held at SSU on 1/26/21 and 1/28/21. A Phase 2 clinic is scheduled at same location on 2/5/21. The second dose first responder clinics are scheduled for the week of 2/8/21.

The second dose first responder clinics were conducted the week of 2/8/21 over a five-day period at Marblehead COA and MATF in Beverly. The five-community Health Dept. collaborative held a clinic on 2/16/21 at Beverly COA, 135 doses administered. A similar clinic to be held at Danvers COA on 2/18/21. Three second dose clinics are scheduled for the week of 2/22/21 (2/23, 2/25 and 2/26) at SSU.

The five-community health dept. collaborative held clinics on 2/16/21 at Beverly COA, 135 doses administered, and Danvers COA on 2/18/21. Participants were scheduled (3/9 and 3/11) for their respective second doses before leaving the first dose clinics. Three second dose clinics are scheduled for the week of 2/22/21 (2/23, 2/25 and 2/26) at SSU.

On 2/17/21, we were informed that effective March 1st, the state would no longer provide first dose vaccines for individual municipal clinics. DPH is committed to filling any second dose requests.

March 2021

With St. Patrick's Day pending, inspectional staff conducted site visits (day and evening) on 3/16 and will again on 3/17 to reiterate restaurant sector and entertainment guidance. A health dept. memo doing the same was sent via the Licensing Board's distribution list.

A second dose clinic were held at the Beverly COA on 3/9/21 and Danvers COA on 3/11.

The Commonwealth entered into Phase IV – Step 1 effective on 3/22/21.

Several small senior housing clinics (Beverly Fairweather) were held this past week by the regional collaboration of communities. Beverly is participating in the State Homebound Vaccination Program. The Program's central intake line has gone live.

April 2021

Beverly is part of a regional collaboration waiting on approval from the state for a regional vaccination site at the O'Keefe Center at SSU. We informed on 4/12/21 that our regional proposal has been approved. We were further informed that due to current vaccine supply constraints approval does not result in the availability of vaccine at this time. Therefore, it could be many weeks before the state will be able to allocate vaccine to our regional collaborative. Note: this was before today's nationwide pause on the use of J&J vaccine by federal and state health authorities.

The Governor announced changes to the mask order on 4/27/21 to be effective on 4/30/21. He also announced other upcoming changes regarding Phase IV Step 2 Industries and Gathering Changes effective 5/10/21, 5/29/21, and 8/1/21

May 2021

On May 11, 2021 vaccination clinics at the O'Keefe Center at SSU began and were held on Tuesdays and Thursday afternoons/evenings

On May 28, 2021, Governor Baker issued an Order rescinding COVID-19 restrictions on May 29th and terminating the State of Emergency effective June 15, 2021.

June 2021

The last vaccination clinic at the O'Keefe Center was held on 6/17/21 due to low interest in appointments/walk-ins. The site was left stocked with equipment so that it can be re-opened if demand increases.

On June 24, 2021, The Beverly Board of Health terminated its State of Emergency and remaining emergency order.

As the Director of the department, I want to express my sincere thanks and appreciation to the entire Health Department staff who worked at this additional full time responsibility since March of 2020. The long duration (15 months and counting) of this pandemic has taken a toll on public health workers as discussed in this Recent CDC MMWRs

- [Symptoms of Depression, Anxiety, Post-Traumatic Stress Disorder, and Suicidal Ideation Among State, Tribal, Local, and Territorial Public Health Workers During the COVID-19 Pandemic — United States, March–April 2021](#)

This public health emergency, again, demonstrated the regional collaboration and support of health departments by sharing and/or creating best practices and striving for regional consistency

with enforcement, policy and standing up vaccination clinics. As we enter FY2022, we are cautiously optimistic with the availability of effective vaccines. However, the Delta Variant is expected to become dominant as we move into and through the summer of 2021 compounded by vaccine hesitancy.

More information can be found on The Massachusetts Department of Public Health's Interactive Dashboard - <https://www.mass.gov/info-details/covid-19-response-reporting#interactive-data-dashboard>

- **Beverly Dental Clinic** – The 2020-2021 school year was the third year of clinic operation at its new location within the Health Suite of Beverly High School. Prior to the move, the clinic changed its operation to a Public Health Dental Hygienist Model. Although the new model no longer provides restorative dental work, it will make the clinic more sustainable for years to come. The Clinic continues its 1910 mandate to provide oral health services to schoolchildren who otherwise would not have access to care. Dental Clinic operations were impacted again this year by the COVID-19 Pandemic. Although the schools operated on modified schedule, the clinic was open with applicable sector guidance and safety protocols. The total patient enrollment was 40 compared to 115 in FY20 and 142 in FY2019. The decreased enrollment resulted in a decline in insurance reimbursement as well (\$9,124 in FY20 and \$12,800 in FY19). It is hoped that the FY22 school year will be more “normal”, however, there is still no vaccine approved for children under twelve years of age
For a complete summary of clinic activities please see the FY21 Beverly Dental Clinic Annual Report. The Dental Hygienist was utilized as a medical screener at flu and COVID-19 vaccination clinics.
- **Annual Seasonal Flu Clinics** – Approximately 359 doses of seasonal flu vaccine were administered at our public and first responder flu clinics in the fall of 2020. The 2020 flu clinics were staffed by a contingent of Public Health Nurses from neighboring North Shore communities, Health Department Staff as well as several MRC volunteers. The Health Department planned and implemented a successful drive –thru vaccination clinic for seniors. In addition, Health Department nursing staff administered vaccine to teachers and staff at each public school. The North Shore Public Health nurses assisted at flu clinics with our regional partners. The Health Department continues to contract with UMass Medical Center for Healthcare Finance to bill Medicare and private health insurance plans for purchased and state-provided seasonal influenza vaccine reimbursement and/or vaccine administration.
- **COVID-19 Vaccination Clinics** – A regional collaborative comprised of 5 towns including Beverly, Danvers, Marblehead, Salem and Swampscott held 32 clinics (1st and subsequent 2nd dose clinics) between January 11 and April 23, 2021 administering a total of 3,684 doses of Pfizer, Moderna or Jansen vaccine. First responders were prioritized for the first 5 clinics in January. Each clinic was staffed by a combination of public health nurses and staff, Medical Reserve Corps (MRC) Volunteers, NE Ambulance and other North Shore ambulance services and members of Massachusetts Task Force – 1 (MATF-

1) a FEMA organization located in Beverly. A second collaborative comprising the towns listed above with the addition of Nahant, Peabody and Saugus held clinics at Salem State University's O'Keefe Center during the months of May and June. A total of 648 doses were administered during the first and second dose clinics. The clinic operated on Tuesdays and Thursdays for six weeks until waning public interest in vaccine and increased availability at local pharmacies forced cessation of operation.

- **Morbidity & Mortality** - There were approximately 413 deaths reported to the Health Department of Beverly residents. This number was obtained from the Massachusetts Department of Public Health and is considered preliminary at this time. These figures include deaths at Beverly Hospital as well as facilities in other communities, nursing homes, at home by illness and through accident or suicide. Heart disease, cancer, respiratory ailments and dementia are major contributors to illness and death in the city. COVID-19 was the attributed cause of death of 70 individuals who resided in the community or in care facilities.
- **Animal Health** - The Animal Inspector quarantined 48 animals for rabies, sent two animals into the state lab for rabies testing and conducted 35 site inspections of where animals are housed.
- **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 suspected and confirmed cases of reportable disease. The following reportable diseases were investigated this fiscal year:

Case Counts for Beverly (July 1, 2020 – June 30, 2021)

Disease Name	Status	Event Counts
Arbovirus (other)	REVOKED	1
Babesiosis	CONFIRMED	1
Babesiosis	REVOKED	2
Brucellosis	REVOKED	1
Campylobacteriosis	CONFIRMED	7
Campylobacteriosis	PROBABLE	1
Clostridium perfringens	REVOKED	2
Ehrlichiosis	REVOKED	1
Enterovirus	SUSPECT	1
Group B streptococcus	CONFIRMED	1
Group B streptococcus	REVOKED	2
Hepatitis B	PROBABLE	10
Hepatitis C	CONFIRMED	11
Hepatitis C	PROBABLE	3
Hepatitis C	REVOKED	10
Human Granulocytic Anaplasmosis	CONFIRMED	2
Influenza	CONFIRMED	1
Influenza	REVOKED	1

Legionellosis	CONFIRMED	2
Listeria	CONFIRMED	1
Lyme Disease	SUSPECT	45
Malaria	CONFIRMED	1
Novel Coronavirus (SARS,MERS,ETC)	CONFIRMED	3076
Novel Coronavirus (SARS,MERS,ETC)	CONTACT	1986
Novel Coronavirus (SARS,MERS,ETC)	PROBABLE	147
Novel Coronavirus (SARS,MERS,ETC)	REVOKED	26
Novel Coronavirus (SARS,MERS,ETC)	SUSPECT	141
Q Fever	REVOKED	1
Rocky Mountain Spotted Fever	REVOKED	1
Salmonellosis	CONFIRMED	3
Streptococcus pneumoniae	CONFIRMED	3
TB-LTBI	CONFIRMED	21
TB-LTBI	CONTACT	1
TB-LTBI	SUSPECT	5
Varicella	SUSPECT	5
Vibrio sp	CONFIRMED	2
Total Events/Cases		5524

The above cases do not include the numerous non-laboratory confirmed illness complaints requiring investigation and follow-up. The number of communicable diseases investigated by the Public Health Nurse was greatly increased due to the global pandemic of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). Note that although some cases may be categorized as suspect, revoked or probable, most reportable diseases require an investigation by the local board of health. The Public Health Nurse also fielded numerous calls about potential exposures to COVID-19 as well as clusters of illness in work places and households. There were less than 5 cases of active tuberculosis (TB) in the city during this fiscal year. In addition, all animal bites reported to the city must be investigated to determine whether post-exposure rabies prophylaxis is recommended. The Public Health Nurse investigated incidents of reported animal bites as well as numerous complaints of bites or scratches.

ENVIRONMENTAL AWARENESS

- **Household Hazardous Waste Collection Event** – The April 24, 2021 event was very well attended, accepting hazardous waste from 416 vehicles, an increase from 320 in 2019. There was no collection in 2020 due to the pandemic. Beverly and Salem continued their reciprocity agreement this year allowing each other's residents the option of attending either and/or both events. In the fall, approximately 53 Beverly residents attended Salem's event and 47 Salem residents attended Beverly's spring event. Also collected were 193 propane tanks, 73 automobile tires and 121 car batteries. The net cost of the event to the city was \$21,749.80.

- **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.
- **Medication Take Back Program** – one collection was held on April 24, 2021 at the North Beverly CVS. The event collected and disposed of 539 pounds of unwanted/unused medications and had approximately 145 participants. Flyers on “Got Old Meds” home pick up service of the Police Department were handed out. Be Healthy Beverly provided 63 medication safety bottles and approximately 80 pens with Resource Navigator for Mental Health information. The placement of a medication disposal drop boxes at the Police Station and Lahey/Beverly Hospital continues to provide residents with the opportunity to dispose of their unwanted medications on a regular 24/7/365 basis.

Lahey/Beverly Hospital and Police Department continue to provide a sharps kiosk in the hospital/police station lobbies 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 Health Department sponsors trainings. Due to pandemic restrictions and other logistical problems, trainings did not occur in fiscal 2021.
- **Oral Health Education** – Cancelled due to COVID-19 Pandemic. Our annual Dental Health Education program is presented to all first graders in Beverly Public Schools. Because grade five is now housed at the Beverly Middle School, the program was unable to be presented as it has been in the past. Plans are underway to include fourth graders next year. This program continues to promote good oral health habits to all children.
- **Emergency Preparedness Coalition Volunteer Trainings** – Training topics for medical and non-medical volunteers. Trainings held this year included: emergency dispensing site functional drills, regional disaster sheltering functional drills, shelter manager course, drive through emergency dispensing site full scale drill, first aid, CPR with AED, n95 mask fit-testing and psychological first aid. Trainings were limited to “just in time” due to COVID.
- **Health Fairs and Special Events –Suspended due to COVID.**
- **North Shore Mother Home Visiting Partnership (NSMVP)** - The Public Health Nurse in collaboration with the public health nurses from Peabody, Gloucester, Hamilton, Newburyport and Salem offered a one-time, free home visit to new mothers and/or caretakers of infants up to a year old. During the visit, the nurse may assess the health of the mother and /or newborn and provide health and newborn information as well as

information about various services in the family’s respective community. Due to the COVID-19 pandemic, no visits occurred in this fiscal year.

The Director of Public Health and the Public Health Nurse serve on a number of municipal and community committees and regional coalitions. Examples of which are: Race Equity Task Force, Opioid Abuse Prevention Collaborative, Be Healthy Beverly, Drug Free Communities Grant, Emergency Medical Services Committee, Regional Youth Provider Network, Local Emergency Planning Committee, Hazardous Waste Oversight Committee, North Shore - Cape Ann Tobacco Alcohol Policy Program, North Shore – Cape Ann Emergency Preparedness Coalition, School Wellness Committee, North Shore Postpartum Depression Task Force, Mayor's Drug Task Force, Seniors at Risk Task Force, Public Safety & Health High Risk Work Group (HUB) and various regional grant related steering committees. COVID-19 has also required attendance at many bi-weekly virus control and sector re-opening meetings/taskforces.

The Board of Health charges fees for various permits and services. The following is a list of associated fees collected during FY2021:

Housing Inspections	\$ 8,250.00
Food, Milk, Frozen Dessert, Retail, Mobile, Temp.	35,504.00
Caterers	900.00
Tobacco Sales Permits	3,225.00
Beach Permits	100.00
Swimming Pools	750.00
Summer Recreational Camps	1,700.00
Soil Tests, Title V, & Plan Reviews.....	1,950.00
Installers /Haulers	1,700.00
Tanning Salons	225.00
Dumpsters	175.00
Body Art establishments, Practitioners.....	2,075.00
Animal Keeping	1,450.00
Biological Safety (formerly rDNA)	1,500.00
Motel	100.00
Funeral Directors	75.00
Other / Miscellaneous.....	<u>3.00</u>
The TOTAL fees collected.....	\$59,682.00

As we enter fiscal year 2022, the virus will continue to greatly impact and dictate our activities. Our roles in case investigation and as enforcement agents will continue for the foreseeable future. As children become eligible for vaccine, we may have a role in standing up and operating vaccination clinics. As the economy has opened and restrictions rescinded, we are seeing increased cases. The more contagious Delta Variant is expected to become dominant throughout the country and vaccine hesitancy is becoming an issue.

On behalf of the Board and its staff, I wish to thank the Beverly Police Department and Emergency Management for their pandemic support and assistance. Thanks to Mayor Cahill and the City Council for their support of our public health efforts, including COVID-19, throughout the year and for their anticipated assistance and support in fiscal year 2022.

Respectfully submitted,
For The Board of Health

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