

Board of Health Report for March 2022 Meeting
Public Health Nursing Division, Lowell Health Department

*Submitted by Public Health Nurse Manager
Nicole Chauncey, BSN, RN*

A. Communicable diseases reported

The following table is a summary of the number of cases of each communicable disease reported to the Lowell Health Department via the Massachusetts Virtual Epidemiologic Network (MAVEN).

*Note: All counts are classified as **confirmed** events unless otherwise specified. MDPH case classification manuals can be accessed [here](#).*

Disease	Jan 2022	Feb 2022**	2022 YTD	2021 total
Amebiasis	0	0	0	0
Anthrax	0	0	0	0
Arbovirus (other)	0	0	0	0
Avian Influenza	0	0	0	0
Babesiosis	1 suspect	0	1 suspect	2 suspect
Borrelia miyamotoi infection	0	0	0	0
Botulism	0	0	0	0
Calciivirus/Norovirus	1	0	1	4
Campylobacteriosis	0	0	0	12 confirmed 3 probable
Clostridium perfringens	0	0	0	0
Cryptococcus neoformans	0	0	0	0
Cryptosporidiosis	2	0	2	11
Cyclosporiasis	0	0	0	0
Dengue Fever	0	0	0	0
Diphtheria	0	0	0	0
Eastern equine infection	0	0	0	0
Ehrlichiosis	0	0	0	
Encephalitis	0	0	0	1 suspect
Enterovirus	0	0	0	0
Giardiasis	3 probable	3 probable	6 probable	6 confirmed 2 probable
Glanders	0	0	0	0
Group A Streptococcus	3 revoked	2 revoked 1 suspect	8 revoked 1 suspect	7 confirmed 22 revoked 1 suspect
Group B Streptococcus	1	1 confirmed 1 revoked	2 confirmed 1 revoked	6 confirmed 4 revoked
Haemophilus Influenzae	0	0	0	1 confirmed
Hansen's Disease (Leprosy)	0	0	0	0
Hantavirus infection	0	0	0	0
Hemolytic Uremic Syndrome	0	0	0	0
Hepatitis A	0	0	0	1 suspect
Hepatitis B	9 probable	6 probable	15 probable	12 confirmed

				21 contact 101 probable 6 revoked 2 suspect
Hepatitis C	1 confirmed 8 probable 2 revoked	2 confirmed 12 probable 3 revoked	3 confirmed 20 probable 5 revoked	37 confirmed 54 probable 111 revoked
Hepatitis D	0	0	0	1 suspect
Hepatitis E	0	0	0	1 suspect
Human Granulocytic Anaplasmosis	0	0	0	2 confirmed 3 revoked 5 suspect
Influenza	50	15	65	238 confirmed 1 contact 1 suspect
Invasive bacterial infection (other)	0	1 suspect	1 suspect	0
Legionellosis	0	0	0	1
Leptospirosis	0	0	0	0
Listeriosis	0	0	0	0
Lyme Disease	0	1 suspect	1 suspect	34 suspect
Lymphocytic choriomeningitis	0	0	0	0
Malaria	1	1	2	6 confirmed
Measles	0	0	0	1 revoked
Melioidosis	0	0	0	0
Meningitis – Unknown Type	0	0	0	2 suspect
Meningococcal Disease	0	0	0	0
Monkeypox	0	0	0	0
Mumps	0	0	0	1 revoked
Novel coronavirus (SARS, MERS, etc.)	8106 confirmed 9 contact 1164 probable 27 suspect	634 confirmed 4 contact 154 probable 6 suspect	8740 confirmed 13 contact 1318 probable 33 suspect	15177 confirmed 4008 contact 1309 probable 5 revoked 193 suspect
Pertussis (and other Bordatella species)	0	0	0	1
Plague	0	0	0	0
Polio	0	0	0	0
Powassan virus infection	0	0	0	0
Psittacosis	0	0	0	0
Rocky Mountain Spotted Fever	0	0	0	0
Rubella	0	0	0	0
Salmonellosis	0	0	0	11
Shiga toxin producing organism	0	0	0	1 suspect
Shigellosis	0	0	0	1
Staphylococcal Enterotoxin	0	0	0	0
Streptococcus pneumoniae	0	0	0	2 confirmed
Tetanus	0	0	0	0
Toxic shock syndrome	0	0	0	0
Toxoplasmosis	0	0	0	0
Varicella	1 probable	0	1 probable	3 probable

	1 suspect		1 suspect	2 revoked 5 suspect
Vibrio sp.	0	0	0	2
Viral Hemorrhagic Fevers	0	0	0	5 contact 2 revoked
Viral Meningitis (aseptic)	0	0	0	7 suspect
West Nile Virus Infection	0	0	0	1 revoked
Yellow fever	0	0	0	0
Yersiniosis	0	0	0	1
Zika Virus Infection	0	0	0	0

**denotes case is connected to a foodborne illness investigation*

***up to date as of 2/28/22 at 1pm*

B. Tuberculosis (TB) cases reported

The following table is a summary of the number of cases of active and latent tuberculosis (TB) disease reported to the Lowell Health Department via the Massachusetts Virtual Epidemiologic Network (MAVEN).

Disease	Jan 2022	Feb 2022**	2022 YTD	2021 total
TB Active	3 suspect	5 suspect	8 suspect	9 confirmed 10 revoked 1 suspect
TB LTBI	27 confirmed 5 suspect	29 confirmed 2 contact 4 suspect	56 confirmed 2 contact 9 suspect	392 confirmed 30 contact 1 revoked 67 suspect

***up to date as of 2/28/22 at 1pm*

C. Current TB caseload

As of 2/28/22 at 1300, the Public Health Nursing Division is providing case management to a total of 10 reported suspect/confirmed cases of active TB.

- Of the 10, 7 cases are currently on antibiotic therapy and receiving DOT or check-ins at least once per week virtually via WebEx and/or in person.
- Of the 10, 1 is awaiting further test results to determine the course of treatment.
- Of the 10, 2 will be revoked if their cultures remain negative for TB after 60 days.

In January 2022, 2 cases completed their treatment for active TB and were released from our case management.

D. Refugee arrivals reported

The following table is a summary of the number of refugees and refugee families reported to the Lowell Health Department via the Massachusetts Virtual Epidemiologic Network (MAVEN).

	Jan 2022	Feb 2022**	2022 YTD	2021 total
Total families	2	3	5	62
Total persons	2	11	13	139

**up to date as of 2/28/22 at 1pm

E. Immunizations given

The following table is a summary of the number of patients vaccinated by the Lowell Health Department as reported to the Massachusetts Immunization Information System (MIIS).

*Note: Immunizations are counted by the number of patients who received 1 or more doses of the vaccine type indicated during the given time frame. For multi-dose vaccines (such as the Moderna and Pfizer COVID-19 vaccines), each patient is counted only once for the 2-dose series; thus, the total of **doses** administered may be greater than what is reported below.*

Vaccine type	Dec. 2021	Jan 2022	Feb 2022	2022 YTD	2021 total
COVID-19	150	119	29	140	5970
Influenza	17	8	2	10	189

F. Public Health Nurse activities

- a. Training/onboarding

G. Public Health Nurse Manager activities

- a. Staffing
 - i. Onboarded 2 new Public Health Nurses
 - ii. Continued to develop orientation materials for new Public Health Nursing, Contact Tracing, and Epidemiology staff.
- b. Vaccination
 - i. Held weekly clinics on Tuesday evenings from 4pm-7pm at the Health Department
 - ii. Attended weekly meeting with DPH vaccine coordinators and bi-weekly meeting Vaccine Equity Outreach and Engagement meeting
- c. COVID-19 contact tracing
 - i. Continued with onboarding and staff development for new Contact Tracers

d. Miscellaneous

- i. Attended bi-weekly check-in with UMass Lowell Health and Wellness
- ii. Participated in COVID-19 test kit distribution event on Sat, February 5.
- iii. Tabled (with Reyna and Srey, contact tracers) at Winterfest to hand out COVID-19 information, test kits, and PPE
- iv. Gave a brief presentation at the Feb 25 Vaccine Equity Outreach and Engagement meeting, highlighting Lowell's achievements in COVID-19 vaccination to Secretary Sudders and Commissioner Cooke.