MDPH Tuesday Infectious Disease Webinar Series

Tools for Local Boards of Health

February 14, 2023

Hillary Johnson, MHS
Senior Epidemiology Advisor to Local Health, Division of Epidemiology

Scott Troppy, MPH, PMP, CIC
Senior Epidemiologist – MAVEN User Management & Data Visualization Lead

Kate Hamdan, MPH
Surveillance Epidemiologist, MAVEN Training Team Lead

Alexandra De Jesus MPH, CIC
Epidemiologist II – Pandemic Response Coordinator, Division of Epidemiology
Agenda Feb. 14, 2023

• MAVEN Updates & Reminders

• 2023 Local Health Internship Program:
  • Summer 2023 Local Health Host Applications are now being accepted!
  • Julie Coco, MPH, Internship & Training Coordinator
  • Shaun McAuliffe, BOH Director, Hopkinton, MA

• Introduction to Measles Case Investigation and Follow-up for LBOH.
  • Joyce Cohen, MPH & Hillary Johnson, MHS, Division of Epidemiology.
2023 Updated Infectious Disease Tools for LBOH Webinar Schedule!

New 2023 Schedule!

<table>
<thead>
<tr>
<th>All Registrations:</th>
<th><a href="https://maven-webinars.constantcontactsites.com/">https://maven-webinars.constantcontactsites.com/</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Tues 2/14/23</td>
<td>Introduction to Measles Case Investigation</td>
</tr>
<tr>
<td>4th Tues 2/28/23</td>
<td>4th Tuesday Office Hours</td>
</tr>
<tr>
<td>2nd Tues 3/14/23</td>
<td>Introduction to Invasive Meningococcal Disease</td>
</tr>
<tr>
<td>4th Tues 3/28/23</td>
<td>4th Tuesday Office Hours</td>
</tr>
<tr>
<td>2nd Tues 4/11/23</td>
<td>Tuberculosis</td>
</tr>
<tr>
<td>4th Tues 4/25/23</td>
<td>4th Tuesday Office Hours</td>
</tr>
</tbody>
</table>

- You help us identify topics/needs/content!
- Be sure to send ideas, requests, and questions to Hillary and Scott!

MAVEN Help has Guidance Documents and Previous Webinars:

Next Office Hours: Tuesday, February 28, 2023
Massachusetts Department of Public Health
Local Health Internship Program

Public Health Workforce Development and Increasing Capacity at the Local Level

Julie Coco, Epidemiologist II
Internship Program Coordinator
Division of Epidemiology
Bureau of Infectious Disease and Laboratory Sciences
MA Department of Public Health
MDPH Local Health Internship Program Summer 2023

- **Goal:**
  - Provide graduate public health students with the opportunity to supplement their classroom education by gaining an understanding of the critical role of local health departments, and to support local health departments in undertaking and completing public health projects.

- **Interested?**:
  - Please complete the online 2023 Local Health Internship Host Application Form. *(DEADLINE: February 17th)*
  - MDPH will recruit and match qualified public health students with approved LBOH Host Placements.

- **Requirements**:
  - Develop a solid outline of tasks the student will be required to perform.
  - Be able to host mid-May until mid-August (most interns will need around 160 cumulative internship hours).

- **Questions?**:
  - Please reach out to Julie Coco, Julie.coco@mass.gov.
Sample Projects from Summer 2022

- Mansfield Community Health Assessment
- Community in Every Step: Using Key Informant Interviews to Develop a Community Needs Survey in Canton, MA
- PFAS Education Materials to address Town Water Contamination & Community Concern in Hopkinton, MA
- Accessing Community Capacity for Prevention of Youth Substance Misuse in Walpole, MA Through MassCALL3 Substance Misuse Prevention Grant Program
- Mosquito-Borne Illness in Easton: Addressing Attitudes Towards Mosquito Spraying and Alternative Preventative Methods
- Investigating the Feasibility of an Online COVID-19 Positive Rapid Antigen Test Self-Reporting Tool, Southern Berkshire County, Summer 2022
- Geographic Information System mapping of tick discovery in Bedford, MA 2022
- Developing Educational Materials for Food Establishment Operators to Increase Food Safety Awareness
Summer 2022

- 15 Paid Interns last season.
- 5 Returned Evaluations from LBOH
  - 5/5 ranked ‘overall experience’ as excellent
- 6 Returned Evaluations from Students
  - 6/6 ranked ‘overall experience’ as excellent
- Project Areas
  - Needs Assessment
  - Environmental Health
  - Substance Use Disorder
  - Infectious Disease (including Mosquito-Borne disease, Healthcare Associated Infections, and COVID-19)
  - GIS/SAS Data Analysis
  - Health Education
- 6 Universities Represented
  - Umass Amherst
  - Boston University
  - Brown University
  - Northeastern University
  - Temple University
  - Tufts University
The Local Health Internship - Hopkinton

Background:

- I participated in a DPH-sponsored program at the Tri-Town Health Department in Lee, Lenox and Stockbridge.
- Project - investigate the unusually high rate of hypertension across all age groups in Lee.
- Result - MDOT road salt application salinated wells.
- Health Director (Peter Kolodziej) inspired me to become a Sanitarian and pursue MPH.

Mission:

- Identify local projects that both challenge and provide future opportunity for the intern, and selfishly research issues that I don’t have time to address myself.
- Projects have included:
  1. Prevalence of ticks in playgrounds, recess areas and ballfields,
  2. Tick-borne education for Hopkinton hikers,
  3. COVID-19 case tracking and stats,
  4. COVID-19 illness tracking and monitoring in schools,
  5. Return of the Health Fair,
  6. PFAS in Hopkinton, and literature review of the immune system dysfunction and dysregulation caused by COVID-19.

Shaun McAuliffe, BOH Director, Hopkinton, MA.
The Local Health Internship - Hopkinton

Experience: PFAS Project - “I don’t want to become a policy wonk” - Talia Feldscher

- Phase I ESA instruction, MDEP data resource tutorial - meetings on Zoom, at office and BU
- Review of possible PFAS sources in town and Fire Fighting Foam deployment
- Review of known PFAS impacted public water supply wells with source comparison
- Review of other possible sources of PFAS (food supply), reconstituted sewage sludge used for fertilizer(farms and golf clubs) municipal sewage treatment plants and residential septic systems
- Research concluded that Hopkinton’s PFAS contamination was most likely the result of food supply and sewage treatment
- Why are our resources ($$$) focused on treating public water supply
- Intern has gone on to study PFAS and Public Health Policy
- Her educational material has been shared with residents, select board, several Central Massachusetts communities, MDPH, MDEP, State Senate President, State Representatives, United States Representatives Jim McGovern and Jake Auchincloss, local newspapers

E-mail me for PFAS presentation at smcauliffe@hopkintonma.gov
Introduction to Measles Case Investigation and Follow-Up for LBOHs

February 14, 2023

Hillary Johnson, MHS
Joyce Cohen, MPH

Division of Epidemiology and Immunization
Massachusetts Department of Public Health
305 South Street
Jamaica Plain, MA 02130-3597