MDPH Tuesday Infectious Disease Webinar Series

Tools for Local Boards of Health

March 14, 2023

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

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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 March 14, 2023

- MAVEN Updates & Reminders
  - Restrictions in notating HIV status of cases
- COVID-19 Weekly Webinars & MAVEN Help Desk Email Statistics
- Happy Three Year Pandemic Anniversary!!
- Introduction to Invasive Meningococcal Disease (IMD) Investigation and Follow-Up for LBOHs.
  - Rosa Hernandez, MPH
  - Alexandra DeJesus, MPH, CIC
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>
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<tbody>
<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>
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<tr>
<td>2nd Tues 4/11/23</td>
<td>Tuberculosis</td>
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<tr>
<td>4th Tues 4/25/23</td>
<td>4th Tuesday Office Hours</td>
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- 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, March 28, 2023
HIV Status: Never Document In MAVEN

• Remember: HIV Status should NEVER be documented in MAVEN Events.
  • Not in the Notes Section NOR in the Clinical Question Packages.

• If a MAVEN Event asks for Underlying Conditions, please note “Immunocompromised” or if that is not available in the drop-down, select “Other” and Specify “Immunocompromised.”
  • Drop Down Options for Immune Compromising Conditions and/or Underlying Conditions will vary based upon the disease event.
  • It is important to NEVER note HIV status directly in MAVEN Events.
COVID-19 Weekly Webinars
& MAVEN Help Desk Email Statistics

Hillary Johnson, MHS, Senior Epidemiologist Advisor to Local Health
Scott Troppy, MPH, PMP, CIC, Surveillance Epidemiologist
Bureau of Infectious Disease and Laboratory Sciences
MA Department of Public Health
Tuesday Webinar Stats for 2020
Friday Office Hours - 2020
Tuesday Webinar Stats for 2021
Friday Office Hours - 2021
Tuesday Webinar Stats for 2022

MonkeyPox Training
MAVEN Help Desk Emails, 2020 & 2021

How many emails did the Help Desk receive in...

<table>
<thead>
<tr>
<th>Month</th>
<th>2020</th>
<th>2021</th>
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<tbody>
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<td>8,244</td>
</tr>
<tr>
<td>February</td>
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<tr>
<td>October</td>
<td>12,225</td>
<td>6,716</td>
</tr>
<tr>
<td>November</td>
<td>13,273</td>
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152,293 total emails

All data included in this dashboard are preliminary and subject to change. Data Sources: Bureau of Infectious Disease and Laboratory Sciences. Created by the Massachusetts Department of Public Health, Bureau of Infectious Disease and Laboratory Sciences, Division of Surveillance, Analytics and Informatics.
MAVEN Help Desk Emails, 2022 & 2023

How many emails did the Help Desk receive in...

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<th>Month</th>
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<td>September</td>
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<td>November</td>
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<tr>
<td>December</td>
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28,586 total emails

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MAVEN Help Desk Emails, 2020-2023

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180,879 total emails

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Hello Global Infectious Disease Pandemic...

My 2020 Plans for Work/Life Balance

Coronavirus
STUDY: Consuming memes during the COVID pandemic: Effects of memes and meme type on COVID-related stress and coping efficacy.

• Researchers with Pennsylvania State University and the University of California Santa Barbara found that memes helped people cope with life during the COVID-19 pandemic, according to a study published this week in the Psychology of Popular Media journal.

• Researchers found that those who viewed memes reported "higher levels of humor" and more positive feelings, according to a news release from the American Psychological Association, which publishes the journal.
The Study Found:

- Those who viewed memes that specifically referenced the pandemic felt less stress than those who viewed non-pandemic-related memes.

- They also felt more capable of coping with the COVID-19 crisis and were better at processing information.

- And they were also less likely to be stressed about the pandemic than those who didn't view memes related to COVID-19 at all, researchers concluded.
You Did It! Three Years In!!!!

March 10, 2020: State of Emergency Was Declared by Governor Baker
A Look Back at 2020...

- **Jan & Feb 2020:** Returning travelers (beginning with China) were identified for quarantine.

- End of January into February – first identified contacts (flights, travel, etc.)
  - MDPH received CDC lists and followed up for 14 Day quarantine period & monitoring.
  - Within **the first two weeks of February, we had 500 travelers** and flight contacts we were following up on, and that number just continued to spike.
  - **Epis & LBOHs worked on weekends and evenings**, notifying town health departments or travelers themselves to ensure quarantine.
  - **Epis also began facilitating Persons Under Investigation (PUIs)** – a very long and complicated process to assess risk and approve testing for suspect cases.
Welcome to the Virtual World...

Me in 2019: I wonder what memes in the 2020’s will be like...

Memes in the 2020’s:
If the coronavirus would wear pants, would it wear them like this or like that?

Virtual meetings are basically modern seances.

"Elizabeth are you here?"
"Make a sound if you can hear us."
"Is anyone else with you?"
"We can't see you. Can you hear us?"
In The Beginning

- **January 21, 2020**: First Travel-related Case of 2019 Novel Coronavirus Detected in United States (Washington State)

- **January 25, 2020**: First Confirmed Case in MA (Travel related)

- **Testing was only available at CDC**, and all suspect cases required intense pre-screening and ruling out of other possible illnesses prior to being approved for testing.
  
  - **Epis spent countless hours** investigating every request for testing and applying strict CDC criteria because the testing resources were so limited, and CDC had a tremendous national backlog from every state.

- **End of February/Early March**: follow-up volume expanded to include positive cases identified here in MA and their contacts.

- **Last Week of February**: Large Biotech conference in MA with many international attendees. Significant spread occurred as a result.
Biotech Conference 2/24-2/27

Schools Close

1st LTCF Cluster

Indiv. Epi Case Follow-up Discontinues due to volume
Social Distancing/Staying Home

Stay home. Practice social distancing. Clean yourself often

OMG. We're all becoming cats!

Quarantine week 4: I cut it myself

My Personal Style is best described as “didn't expect I would have to turn on my camera for this meeting.”
The World Shut Down, But Public Health Did Not...

Can you believe we used to wake up, put on clothes, leave the house, commute, work all day, commute home, put on different clothes AND THEN GO OUT AND SOCIALIZE?!!

Social Distancing Be Like:

The rest of the world: Uses Metric System
America:

Stay one Komodo dragon length apart.

Social Distancing Guide
For Dog People

2 Great Pyrenees
4 Beagles
15 Chihuahuas
We Learned the Importance of Masking

Why are you wearing a mask, were you burned by acid or something like that?

Oh no, it’s just they are terribly comfortable, I think everyone will be wearing them in the future.

Doctor: Protect the ones you love most from Coronavirus
Me:

And so it begins...

Pumpkin Spice Scented

The masked singer.
Masks are Effective!

Effectiveness of Face Mask or Respirator Use in Indoor Public Settings for Prevention of SARS-CoV-2 Infection — California, February–December 2021 – Kristin L. Andrejko, et. al. MMWR February 4, 2022

• What is added by this report?
  • Consistent use of a face mask or respirator in indoor public settings was associated with lower odds of a positive SARS-CoV-2 test result (adjusted odds ratio = 0.44). Use of respirators with higher filtration capacity was associated with the most protection, compared with no mask use.

• What are the implications for public health practice?
  • In addition to being up to date with recommended COVID-19 vaccinations, consistently wearing a comfortable, well-fitting face mask or respirator in indoor public settings protects against acquisition of SARS-CoV-2 infection; a respirator offers the best protection.
Home School & Home Daycare...

coronavirus

my already dwindling mental health
university sending students home global panic events home cancelled

Anyone else feel like they have cooked dinner 400 times this month?!

Snarky Breeders @snarkybreeders

At this point, I’m really tired of binge watching my kids.

Me: maybe I just need another cup of coffee
Narrator: she did not need another cup of coffee
Guidance Was Changing by the Minute...

What we know about this Novel Disease

- Isolation Guidance began with only a Testing Out option (needing two consecutive negatives...)

- Eventually a non-test strategy was allowed, which was symptom-based but required 3 days without symptoms (and only a 7 day isolation period)...

- Clinical guidance on WHO COULD BE TESTED and WHERE to send the test was constantly evolving.
Every Sector was Affected...

- The Emergency Orders began flooding in:
  - March 12, 2020: Restricted Visitors in LTCF
  - March 13, 2020: Limits on Gatherings Order (≤ 250 people)
  - March 15, 2020: Limits on Gatherings Order (≤ 25 people)
  - March 15, 2020: Closed K-12 Schools
  - March 18, 2020: Closed Daycares
  - March 23, 2020: Limits on Gatherings Order (≤ 10 people)

- End of March & Into April: there were several thousand cases in MA.
  - Congregate Settings like Long Term Care Facilities, nursing homes, assisted living facilities, etc. began to see large outbreaks across residents and staff.

Me: I think I'm ready to date again...

The universe: oh yeah?
*releases world-wide virus preventing all human interaction*
Local Health Department Webinars to Keep Everyone Up to Date

▸ First Recorded Webinar to outline COVID-19 Case Investigation and Follow-up for LBOH occurred March 17, 2020.
  ▸ 2020: 65 Live Webinars
  ▸ 2021: 66 Live Webinars
  ▸ 2022: 26 Live Webinars

▸ Highest Attendance:
  ▸ December 1, 2020: 910 Participants

▸ Develop Case Investigation Materials and Tools for MAVEN Help.

▸ Epis respond live to questions and assist in follow-up.
Congratulations! You’ve Made it to August of 2020!
MAKE SOME NOOOOOISE!
All of Us:

@rubohconjkl

My vacation this year

DUE TO NATIONWIDE SHORTAGE
Pigeon allowed to drive the bus
Testing

five of you stand before me but i only have four at-home rapid covid tests in my hands

What will you do with your four wild & precious COVID tests?

11:49 AM · 1/18/22 · Twitter for iPhone
Finally Vaccines Came Along
Which Vaccine Will You Get?!!!!
Taking a moment to note some vaccine milestones

VACCINES CAUSE ADULTS

I’ve got 99 problems
but smallpox,
polio, diphtheria,
tetanus, measles,
mumps, rubella,
pertussis, rotavirus,
H. influenza, varicella
and hepatitis
ain’t one
Dolly for President...

"VACCINE, VACCINE, VACCINE, VACCIIIINE..

Dolly Parton didn’t tumble outta bed and stumble to the kitchen and pour herself a cup of ambition just for you to refuse to take the COVID vaccine that she helped fund.
School!!!!!!
Sports

Fencing: the perfect COVID-19 Sport

1. Masks
2. Gloves
3. If anybody gets closer than 6 feet to you, you stab them.
"I'm going to put out new versions of my old releases every few months"

Oh, look, Variants!

Omicron

My Holiday Plans

My Fall Plans

Delta

Omnicron
Where We Were and Where We Are

**March 2020**
- New Disease
- No pre-existing immunity
- No Specific prevention or treatment
- Unknown spectrum of disease
- Unknown transmission
- Limited testing capacity
- No vaccine

**March 2023**
- Going to be living with COVID-19 for the foreseeable future
- Vaccines widely available, monoclonal antibodies available
- Widespread testing & abundance of in-home testing options
- Known high risk individuals
- Known transmission through droplets, aerosol, close contact settings increase spread
- Risk of evolving variants
- Building Public Health Infrastructure

**Note:**
- President Biden plans to extend the COVID-19 national emergency to May 11, 2023, then end it on that date.
And Now...

Atlanta Mom

I need to get back in shape but I’m kind of waiting to see if the world is going to end before I put any real effort in.

Tom Cashman
@_tomcashman

Somehow we ended up here

Apocalypse

Having to go to work

How Much I Never Want to See Another Chart Again in My Life
YOU GET A THANK YOU!

AND YOU GET A THANK YOU!

AND YOU GET A THANK YOU!

EVERYONE GETS A THANK YOU!