Follow-up for Positive COVID-19 Cases and their Close Contacts

Tools for LBOHs

May 19, 2020

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Topics Today

• Contact Tracing Collaborative
  • Presentation and your questions
• MAVEN Updates
• Vital Records - Quick mention
  • (more for Friday 5-22)
Tuesday & Friday Webinars for LBOHs

Tuesdays & Fridays @ 11am

- Isolation of Cases and Quarantine of Contacts is the goal until that strategy changes/evolves.
- MAVEN is the main reporting source and where you should document your work.
  - Send Cases to CTC for follow-up if not:
    - Hospitalized, Deceased, or linked to a Cluster Facility
- Focusing on Priority Activities
- Clusters in Facilities in your community need your help.
  - Call Epi Program to create cluster events.

MAVEN Help has Guidance Documents and Previous Webinars:

MDPH Epi Program: 617-983-6800
MDPH MAVEN Help Desk: isishelp@state.ma.us
MDPH Food Protection Program: 617-983-6712
CTC Help Desk: 857-305-2828
CTC COVID Email:
COVID19CommunityTracingCollaborativeQuestions@mass.gov
MAVEN Status Map as of 5/19/2012
MAVEN Reminders
MAVEN Help Section

How to Contact the MAVEN Help Desk in ISIS:
We are available M-F (9-5 p.m.)

- ISIS Help Desk 617-983-6801
- ISIS Fax Number 617-983-6813
- isishelp@state.ma.us (do not email names or identifying information - use the MAVEN Event ID)
- Epi-of-the-Day and Epidemiologist on Call 617-983-6800
- MAVEN Change Request Document (please print, complete, and out fax back to ISIS to request changes, enhancements, corrections to the MAVEN database)

MAVEN Online Help

- Expand all  Collapse all

- COVID-19 I BOH
- General Information
- Frequent Asked Questions (FAQs)
- Division of Global Populations (DGP)
- ePostcards/Webinars
LBOH Case Report Forms are Pending Workflow

- **UPDATE** to your LBOH Case Report Forms (CRF) are pending: We have updated the workflow to only show non-COVID-19 cases that are still pending.

<table>
<thead>
<tr>
<th>Workflow Queue</th>
<th>Total Count</th>
<th>Priority</th>
<th>Last Update</th>
<th>Total Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBOH Notification for Routine disease</td>
<td>6</td>
<td>Very High</td>
<td>05/19/2020 08:56 AM</td>
<td>6</td>
</tr>
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<td>LBOH Case Report Forms (CRF) are pending</td>
<td>0</td>
<td>High</td>
<td>05/19/2020 08:56 AM</td>
<td>6</td>
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<tr>
<td>LBOH Needs final review</td>
<td>3</td>
<td>Medium</td>
<td>05/19/2020 08:56 AM</td>
<td>3</td>
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<tr>
<td>LBOH Notification but no follow-up required</td>
<td>2</td>
<td>Medium</td>
<td>05/19/2020 08:56 AM</td>
<td>2</td>
</tr>
</tbody>
</table>
First Responder Report – Confirmed Cases Only

- Probable
- Contacts
- Unclassified (negative)

Do not show on this report
Confirmed and Probable Line List Report

- **UPDATE to your COVID-19 Confirmed Case Line List Report:** We have updated the existing report – the revised report is now named **COVID-19 Confirmed and Probable Case line list report.**
  
  - You can run this on a daily basis to see events that had a negative lab then a positive lab.
  
  - Once you run the report look at the Create date and then Step 1 Notification Date – you may see an event with a create date of April then a Step 1 date of May 15\textsuperscript{th}. This is a flag that you have had an update to the event. (Unclassified to a Confirmed Event).

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Event ID</td>
<td>Create Date</td>
<td>Event date</td>
<td>Official City</td>
<td>Name</td>
<td>Step 1 - LBOH acknowledged</td>
<td>LBOH acknowledged date</td>
</tr>
<tr>
<td></td>
<td>103799277</td>
<td>3/15/2020</td>
<td>3/9/2020</td>
<td>LOWELL</td>
<td>Name of Event</td>
<td>Yes</td>
<td>5/15/2020</td>
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<tr>
<td>2</td>
<td>103799280</td>
<td>3/15/2020</td>
<td>3/12/2020</td>
<td>LOWELL</td>
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<td>3/15/2020</td>
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<tr>
<td>3</td>
<td>103809797</td>
<td>3/20/2020</td>
<td>3/18/2020</td>
<td>LOWELL</td>
<td>Name of Event</td>
<td>Yes</td>
<td>5/13/2020</td>
</tr>
</tbody>
</table>
Immediate Notification workflow (COVID-19 Only)

- **UPDATE:** We have updated the **COVID-19 Immediate Notification Workflow** - it only retain events within the past 5 days.
  - This will allow proper notification of all new COVID-19 events for your jurisdiction. The workflow will refresh every 24 hours and remove those cases that have you have not updated **Step 1- LBOH Notification to “Yes”**.
  - You may see events with Step 1 populated to Yes. You need to review the Event Date associated labs with the event.
LBOH COVID-19: Set Assistance to No Workflow

- Newly confirmed cases within the past 24 hours
- Cases are extracted to CTC at 10 a.m. every day
- This will allow you to retain your cases that you want to follow-up on and **leave blank** those cases you want to forward to CTC.

***As a reminder CTC is only taking confirmed cases at this time not Probable or Contact cases.
You may see these in MAVEN

When you see Roster Import paired with the MAVEN Concern for CTC it may mean the contact/event was created by CTC - now look in the wizard
CTC sending cases back to MAVEN – look in your wizard for Investigation status – date will not be populated for these cases

Yes

Date first sent to the CTC: mm/dd/yyyy

Investigation Status: In progress
QP#8 – shows that a case was sent to MAVEN

Date first sent to CTC is populated: date is present then DPH sent the event to CTC for them to investigate and status will show In Progress until they are done.

Date first sent to CTC is blank: date is not filled in then CTC created the event in Sale Force (CTC database) and send the event back into MAVEN.

The event from CTC will either create a new MAVEN event or it will append to an existing event and the MAVEN alert/concern will show "This case has been sent to the MA COVID-19 Community Tracing Collaborative. Please do not initiate follow-up at this time."
Steps 2, 3, & 4 are updated with CTC information once the CTC completes their case investigation.
Report for CTC Data Report

- COVID-19 LBOH CTC Data Report
  - This report pulls all cases that were sent to the Community Tracing Collaborative (CTC) and the data obtained at the CTC. The report will allow you to extract and see what fields were sent back to MAVEN for your events. When the CTC creates contacts on their side those events will be created in MAVEN with a flag that the CTC has the case and the CTC investigation status will show “In progress” until they have completed their investigation.
Event/Case questions

• If you have a question about MAVEN functionality, contact the MAVEN Help Desk: isishelp@state.ma.us

• LBOH CTC Inbound Line (857-305-2828)
  • Purpose: specific CTC questions and clarifications around procedures or case information
  • A select set of inbound line supervisors have access to MAVEN to assist with clarifying questions on specific cases/contacts with the CTC

• You can also email: COVID19CommunityTracingCollaborativeQuestions@mass.gov
  • Purpose: to provide MAVEN assistance with COVID or CTC questions
Summary of New Guidance & Tools

- **Date: May 13, 2020 - Testing of Persons with Suspect COVID-19**
  - Updated Testing Guidance saying who should be tested.
    - Includes language stating we should test CONTACTS to COVID-19 right away.
    - Discourages serology testing.
    - BUT, if you ARE going to get serology testing, get a PCR at the same time.

- **Date: May 11, 2020 - Recommendation for Routine Molecular Testing of People Identified as Close Contacts to COVID-19 Cases**
  - Recommendation to Test Contacts identified through contact tracing – regardless of symptoms.
    - They still need to isolate a full quarantine period, even if their test comes back negative early in quarantine.

- **Date: May 8, 2020 - COVID-19 PCR and Antibody Testing Public Health Response Recommendations**
  - Table describes different Public Health Actions based upon different testing results.
    - Big take home: Encourage PCR testing to help alleviate unanswered questions. But in the absence of PCR testing information, we take a conservative approach and require serology positive individuals to isolate.

- **Date: May 7, 2020 – Occupational Exposure & Return to Work Guidance**
  - HCW & Non-HCW discontinuation of Isolation Guidance.
    - Describes strategies for ending isolation for cases.
    - Also outlines requirements for quarantine for contacts
    - (While there are two documents (HCW & non-HCW), the key table on the front page is identical and tells key information)
Switching Gears: Death Reporting

- Death is tracked under OUTCOME in the Clinical Question Package.
- This is where our COVID-19 deaths are officially tallied.
- It is not an automatic process. SOMEONE needs to enter it. (Could be you.)
Vital Records Data: Death Records

• How are vital records getting into MAVEN?
  • What are the challenges with this process?
• How are vital records used to classify cases?
• What is still “to be done”? 
How are vital records getting into MAVEN?

• Sometimes from all of you (or other direct report)!
• We also get a daily cut from vital records of the death registry
  • This covers all deaths from 1/1/2020 to current date
  • Both finalized and preliminary records are included
  • Includes causes and location of death, demographics, underlying conditions
How are vital records getting into MAVEN?

- Information on all cases of COVID reported to date are pulled from MAVEN Daily
- MAVEN data and Vital records data are matched using last name, first name and date of birth
  - Matches for confirmed, probable and suspect cases that have not been reported are imported by roster every day.
  - Cases already marked as deceased are updated with any new information every other day.
- Matches to revoked, contact, unclassified cases have just recently been updated.
What are the challenges with this process?

• Spelling errors, hyphenated last names, and missing/wrong dates of birth!
  • Computer programs don’t see Hillary and Hilary as the same thing
  • We’ve seen lots of date of birth errors (7 as 9, 0 as 8, month and day swapped)
  • There are still lots of duplicates in MAVEN
    • When cases are deduplicated spelling may change
    • Some records are missing dates of birth

• When there are differences between the records, we may need to look at each case by hand to determine if they are a match
  • There are 3 people working on this data, and this takes time!
  • As you know, addresses are not always what we would expect. This slows things down further.
Classifying Cases

- The goal of classifying cases is to make sure all states are counting cases the same way.
- For cases with no laboratory testing:
  - Probable Cases: Death certificate lists COVID-19 disease or SARS-CoV-2 as a cause of death or a significant condition contributing to death (also acceptable: COVID, novel coronavirus, or coronavirus 2019).
  - Qualifier on the cause of death such as, but not limited to, “suspected”, or “possible” are not considered to meet vital records criteria, would be considered as suspect cases.
  - Coronavirus, without an indication of which coronavirus, is not considered to meet vital records criteria.
- Recent laboratory results count over what is listed on the death cert.
Still to be done

• To cut down on duplication, importing cases with vital signs indication of death but no matching case in MAVEN is a slow process. These cases have just been entered this week.
• We are capturing ‘all cause mortality’ on people who have tested positive for COVID-19
  • We are not excluding deaths due to other causes
  • We are planning to look more closely at timing.
• BUT, looking at confirmed cases where death happened >30 days after the event date, only 8/198 did not have some indication of COVID as a cause of death
Thank you for time today

• More to discuss related to death data on Friday 5-22-2020.