



# Massachusetts Department of Public Health

## Local Health Reports Review and eCR updates Tools for LBOH

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# Outline of Today's Discussion:

- eCR (Electronic Case Reporting) Updates with Molly and Tara
- MAVEN Reports Overview with Lionel and Scott
- MAVEN Reports Guidance Document Review
- ...and More!



# Massachusetts Department of Public Health

## Electronic Case Report (eCR) Review

# Electronic Case Reporting (eCR) Update

## More Healthcare Organizations (HCOs) engaged

- Several sites sending eCR to MAVEN
- Many additional sites actively onboarding and preparing to send

## Major expansion of conditions included

- Early eCR messages focused on COVID
- Sites eCR for most MA reportable conditions

## MAVEN updates

- eCR Notification
- Additional data elements
- Organization of Electronic Case Reporting Question Package

## Event Summary

### Basic Information

Case ID:	100774894
Event:	Babesiosis
Name:	<a href="#">Denny Ford Mr</a>
Birth Date:	06/07/1985
Recorded Sex or Gender:	Male
Home Phone:	(617) 011-1002
Party Deduplication Status:	Pending <a href="#">Deduplicate</a>

Investigation S

Linked Events

Attachments:

### Notification

Event/Status/I

Event Status

Event Date:

Event Type:

Concerns **2**

Contact the

Please note

transplant in

Electronic Case Report Status **1**

An Electronic Case Report has been received for this event and can be viewed in the Electronic Case Reporting Question Package.

Workflow Status **1**

Event ID is in workflows [\[View List\]](#)

Case Classification **2**

Age unit: Years

Age at time of event: 37.16

### Notifications

Event/Status/Date/Type Notifier **3**

Event Status: Suspect

Event Date: 08/08/2022

Event Type: Report Date

Concerns **2**

Contact the provider to complete all questions in the Key Questions for Case Investigation Wizard.

Please note in the wizard whether or not the case has received a blood transfusion, tissue products or organ transplant in the past year.

Electronic Case Report Status **1**

An Electronic Case Report has been received for this event and can be viewed in the Electronic Case Reporting Question Package.

Workflow Status **1**

Event ID is in workflows [\[View List\]](#)

Case Classification **2**

Age unit: Years

Age at time of event: 37.16

[Edit Event Properties](#)

[Copy Event](#)

eCR Reportable Condition:	
Multisystem Inflammatory Syndrome in Children (MIS-C)	
eCR Condition Date:	
01/09/2025	
eCR Reportable Condition:	
COVID-19	
Add New	
eCR Condition Date:	
01/09/2025	
eCR Reporting Healthcare Organization:	
Beth Israel Lahey Health	
eCR Race:	
White	
eCR Hispanic:	
Yes	
Current housing status:	
Visit Date	
12/14/2024	

Did patient die:
No
eCR Occupation:
SEASONAL ACCOUNTANT
eCR Industry:
SPORTING GOODS
Was case hospitalized?
Yes
eCR Facility of Hospitalization:
BWH
eCR Hospital Admission Date:
12/13/2024
eCR Hospital Discharge Date:
12/14/2024

Medication Name:
20 ML remdesivir 5 MG/ML
Medication Start Date:
12/14/2024
Medication End Date:
12/14/2024
Status of Medication Regimen:
Medication Route (e.g. ORAL):
Intramuscular
Medication Total Dose:
Medication Dose Frequency:
Duration Medication was Taken:
eCR Diagnosis Code:
Pneumonia caused by Sev
eCR Diagnosis Date:
12/13/2024
eCR Symptom Code:
Chest Pain
eCR Symptom Onset Date:
12/10/2021

# HCOs Currently Sending eCR

- Cape Cod Healthcare
- UMass Memorial Health Care
- Sturdy Health
- Mt. Auburn Hospital
- OCHIN-affiliated Community Health Centers/Sites
  - Large number of MA CHCs, including Lynn Community Health Center, Outer Cape Health Services, several Boston facilities, and others
- Trinity Health (Mercy Medical Center)
- Tenet Healthcare (Leonard Morse Hospital, Framingham Union Hospital, St. Vincent Hospital)

# Health Care Organizations Onboarding for eCR

- Mass General Brigham (coming soon!)
- AdCare Hospital of Worcester
- athenaHealth (outpatient)
- Baystate Health
- Berkshire Health Systems
- Beth Israel Lahey Health
- Heywood Hospital
- Holyoke Medical Center
- Signature Healthcare Brockton Hospital
- South Shore Health System
- Southcoast Health
- Tufts Medicine







# Massachusetts Department of Public Health

## Local Health Reports Review

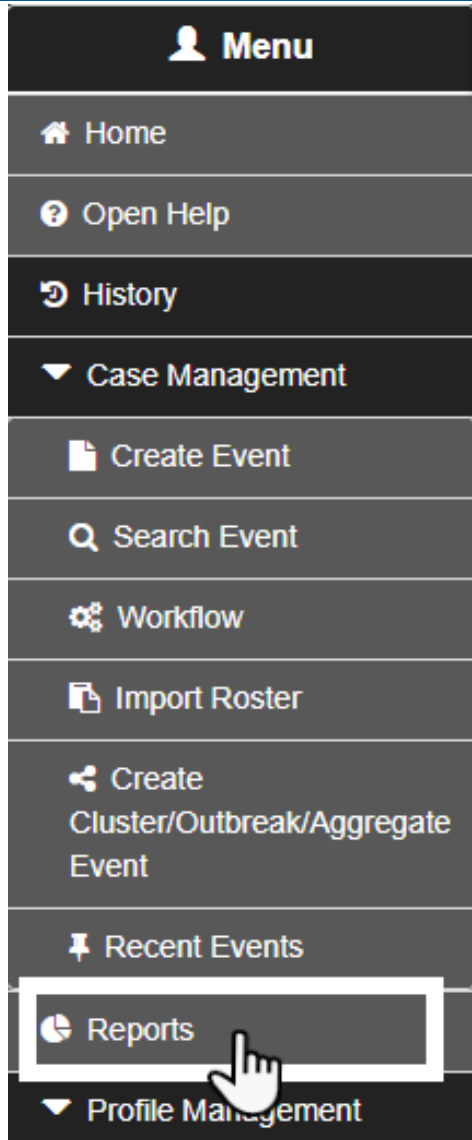
# Guess the Count of the top LBOH MAVEN Reports for 2024

Count	LBOH MAVEN Reports
????	COVID-19 LBOH Confirmed and Probable Case line list Report
????	LBOH Count - Events Per Disease and Classification in Jurisdiction
????	LBOH Event Information Extract by Disease (Excel, CSV)
????	LBOH Basic Line List
????	LBOH Events by Time Period
????	LBOH Events by Week by Event Date

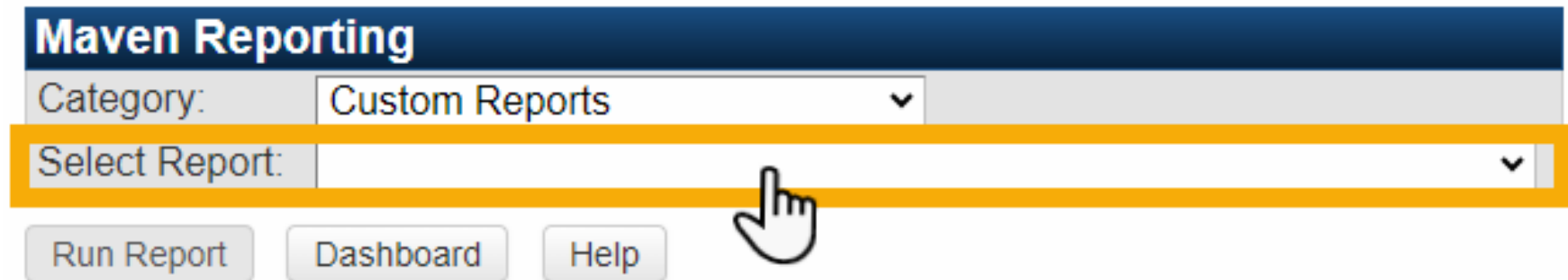
# Top LBOH MAVEN Reports for 2024

Count	LBOH MAVEN Reports	
12,495	COVID-19 LBOH Confirmed and Probable Case line list Report	
6,660	LBOH Count - Events Per Disease and Classification in Jurisdiction	
5,660	LBOH Event Information Extract by Disease (Excel, CSV)	
2,181	LBOH Basic Line List	
972	LBOH Events by Time Period	
545	LBOH Events by Week by Event Date	

# MAVEN LBOH Reports Overview



- Export line lists and counts for your disease events. You can customize by
  - Disease
  - Time frame
  - Classification
  - Town/City



# MAVEN LBOH Reports Overview

- **LBOH Events by Time Period**
  - Case Status
  - Official City
  - Report Form: csv & html

The screenshot displays the 'Maven Reporting' interface. The 'Category' is set to 'Custom Reports'. The 'Select Report' dropdown is set to 'LBOH Events by Time Period'. The 'Description' field contains the text: 'LBOH Events by Time Period - a report that displays a total event count by disease by status for current month, previous month, year to date, last year, last year to date.' The 'Status\*' dropdown is set to 'Confirmed', with a list of options: 'Confirmed', 'Contact', 'Probable', 'Revoked', and 'Suspect'. The 'Official City\*' field is set to 'LAWRENCE' and includes a search icon and a trash icon. The 'Report Format\*' dropdown is set to 'Comma Separated Values'. At the bottom, there are three buttons: 'Run Report', 'Dashboard', and 'Help'.

Maven Reporting	
Category:	Custom Reports
Select Report:	LBOH Events by Time Period
Description:	LBOH Events by Time Period - a report that displays a total event count by disease by status for current month, previous month, year to date, last year, last year to date.
Status*:	Confirmed Contact Probable Revoked Suspect
Official City*:	LAWRENCE
Report Format*:	Comma Separated Values

Run Report   Dashboard   Help

Click on search icon to find appropriate city/town - this must be selected prior to running the report.

# MAVEN LBOH Reports Overview

## CONFIRMED , PROBABLE Events by Time Period

### Total event count by disease

The data in this report contain confidential information and are for internal use only.  
The data are current as of 11/28/2023 and are subject to change.

Disease	Current Month	Previous Month	Year to date	Last year	Last year to date
Amebiasis	0	1	1	0	0
Anthrax	0	0	0	0	0
Avian Influenza	0	0	0	0	0
Babesiosis	0	0	1	0	0
Borrelia miyamotoi infection	0	1	1	0	0
Botulism	0	0	0	0	0
Brucellosis	0	0	0	0	0
Calicivirus/Norovirus	0	0	0	0	0
Campylobacteriosis	0	0	0	0	0
Clostridium perfringens	0	0	0	0	0
Cryptosporidiosis	0	0	0	0	0
Cyclosporiasis	0	0	0	0	0
Dengue Fever	0	0	0	0	0
Diphtheria	0	1	1	0	0
Eastern equine infection	0	0	0	0	0
Ehrlichiosis	0	0	0	0	0
Encephalitis	0	0	0	0	0
Enterovirus	0	1	1	0	0
Giardiasis	0	0	0	1	1
Group A streptococcus	0	0	1	0	0
Group B streptococcus	0	0	0	0	0
Haemophilus influenzae	0	0	0	0	0
Hansen's Disease (Leprosy)	0	1	1	0	0
Hantavirus infection	0	0	0	0	0

- **LBOH Events by Time Period**
  - Current Month
  - Previous Month
  - Year to date
  - Last Year
  - Last Year to date

# MAVEN LBOH Reports Overview

- You should be utilizing reports daily for your casework.
- You can also utilize reports to help determine data cleaning needs.

The screenshot displays the MAVEN Reporting interface. On the left is a dark sidebar menu with a 'Menu' header and icons for Home, Open Help, History, Case Management, Create Event, Search Event, Workflow, Import Roster, Create Cluster/Outbreak/Aggregate Event, Recent Events, Reports (highlighted with a hand cursor), and Profile Management. The main content area is titled 'Maven Reporting' and contains a form with the following fields:

- Category:** Custom Reports (dropdown)
- Select Report:** LBOH Events by Time Period (dropdown)
- Description:** COVID-19 LBOH Contact line list Report
- Status\*:** (empty field)
- Official City\*:** (empty field)
- This report has:** (empty field)
- Run Report:** (button)

A large yellow dropdown menu is open, listing the following reports:

- COVID-19 LBOH Group Confirmed & Probable Case line list (Cambridge Chelsea Revere Winthrop)
- COVID-19 LBOH Group Confirmed & Probable Case line list Report for <18 years of age (Cambridge Chelsea Revere Winthrop)
- COVID-19 LBOH Group Confirmed & Probable Case line list Report for <5 years of age (Cambridge Chelsea Revere Winthrop)
- COVID-19 LBOH Group Confirmed & Probable Case line list Report for > or = 18 years of age (Cambridge Chelsea Revere Winthrop)
- COVID-19 LBOH Group Contact line list Report (Revere Winthrop Chelsea Cambridge)
- COVID-19 LBOH Requested Assistance Line List Report
- COVID-19 LBOH Suspect Case line list Report
- Cluster/Outbreak Linelist
- DGP - Event Information Extract by Disease (Excel, CSV)
- DGP - LBOH Active Caseload
- LBOH Assessment Report
- LBOH Basic Line List
- LBOH Cluster Linelist Report
- LBOH Count - Events Per Disease and Classification in Jurisdiction
- LBOH Event Information Extract by Disease (Excel, CSV)
- LBOH Event Information Extract by Disease Category and Region
- LBOH Event Information Extract by Disease and Region
- LBOH Events by Time Period
- LBOH Events by Week by Event Date

# Assessment Report – Immediate Disease

## LBOH Assessment Report

Town Selected:  

Report period: 2024-01-01 - 2024-09-26

This report contains confidential information. The data are current as of 09/26/2024 and are subject to change.  
Please note this report runs off of create date.

### Immediate Diseases

Town	Type	Total Case Count	Average # of Days from Create Date of Case to Step 1 (LBOH Acknowledged Date)	Average # of Days from Create Date of Case to Step 2 (Investigation Started Dated)	Average # of Days from Step 1 (LBOH Acknowledged Date) to Step 4 (Case Report Form Completed)	Percent of cases completed within 30 days	Percent acknowledged within 2 days (Create date to step 1 completed)	Percent of cases with symptom onset completed	Percent of cases with Occupation completed	Percent of cases with Industry completed	Percent of cases with Race completed	Percent of cases with Ethnicity completed	Percent of cases with Sexual Orientation completed	Percent of cases with Gender Identity completed	Percent of cases with Transgender Experience completed	Percent of cases with all key indicators completed (Symptom onset date, Occupation, Industry, Race, Ethnicity, Sexual Orientation, Gender Identity, and Transgender Experience)	Number of cases lost to follow up	Percent of cases lost to follow up
	Cyclosporiasis	1	1 Calculation based on 1 cases	1 Calculation based on 1 cases	0 Calculation based on 0 cases	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0	0%
	Listeriosis	2	5 Calculation based on 2 cases	0 Calculation based on 1 cases	9 Calculation based on 1 cases	50%	50%	100%	50%	0%	100%	50%	0%	0%	0%	0%	0	0%
	Group A streptococcus	11	1 Calculation based on 4 cases	0 Calculation based on 6 cases	2 Calculation based on 4 cases	73%	27%	18%	45%	0%	91%	9%	9%	9%	9%	0%	0	0%
	Mumps	1	3 Calculation based on 1 cases	4 Calculation based on 1 cases	1 Calculation based on 1 cases	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0	0%
	Hepatitis A	2	1 Calculation based on 2 cases	1 Calculation based on 2 cases	21 Calculation based on 2 cases	50%	100%	50%	0%	0%	100%	50%	0%	0%	0%	0%	0	0%



# Assessment Report – Routine Diseases

Routine Diseases																		
Town	Type	Total Case Count	Average # of Days from Create Date of Case to Step 1 (LBOH Acknowledged Date)	Average # of Days from Create Date of Case to Step 2 (Investigation Started Dated)	Average # of Days from Step 1 (LBOH Acknowledged Date) to Step 4 (Case Report Form Completed)	Percent of cases completed within 30 days	Percent acknowledged within 2 days (Create date to step 1 completed)	Percent of cases with symptom onset completed	Percent of cases with Occupation completed	Percent of cases with Industry completed	Percent of cases with Race completed	Percent of cases with Ethnicity completed	Percent of cases with Sexual Orientation completed	Percent of cases with Gender Identity completed	Percent of cases with Transgender Experience completed	Percent of cases with all key indicators completed (Symptom onset date, Occupation, Industry, Race, Ethnicity, Sexual Orientation, Gender Identity, and Transgender Experience)	Number of cases lost to follow up	Percent of cases lost to follow up
	Giardiasis	1	5 Calculation based on 1 cases	0 Calculation based on 0 cases	0 Calculation based on 0 cases	0%	0%	0%	100%	0%	100%	100%	0%	100%	100%	0%	0	0%
	Babesiosis	15	7 Calculation based on 11 cases	5 Calculation based on 8 cases	4 Calculation based on 3 cases	13%	7%	20%	13%	13%	40%	0%	0%	0%	0%	0%	1	7%

# MAVEN LBOH Reports Overview

**General Guidance Document on Reports**

**How to Run the LBOH Assessment Report**