Global MAVEN Changes

1) Added town/city name (jurisdiction) to the LBOH Notification for Immediate Disease Workflow to allow a user to see disease events for multiple jurisdictions for which they have access.
2) Added new Occupation Field (Free Text) to all pertinent wizards.
3) Added new Integrated Testing and Linkage to Services (ITLS) variables.
4) Created two new iterations of the Event Information Extract by Disease for regional MAVEN users.
   - **LBOH Event Information Extract by Disease and Region:** This report provides users with the choice to run the Event Information Extract by Disease for all the towns to which they have access to in MAVEN. The report will run off event date and will pull a total of one year of data from the selected start date. This report will allow users in regional groups to run one report for diseases and towns/cities or for just one town.

   ![Maven Reporting Screenshot](image)

   - **LBOH Event Information Extract by Disease Category and Region:** This report provides users with the choice to run the Event Information Extract by Disease for a select subset of diseases (foodborne, tickborne, and mosquito borne) for all the towns to which the user access to in MAVEN. The report will run off event date and will pull a total of one year of data from the selected start date.
5) Created a new LBOH Assessment Report. This report pulls a set of key indicators to help LBOHs monitor capacity for their town or region. The report will calculate total time from case create date to completion of LBOH Steps 1-5 in addition to percent completion of select key indicators. The report will run off create date and will pull a total of one year of data from the selected start date.

*This will be released for LBOH use some time in December. Stay tuned for training and review.

Healthcare Acquired Infections (HAI)

1) Updated EPI/IMM Cluster Administrative Question Package with Healthcare Acquired Infection variables including updates to labels.
2) Updated Active Surveillance Workflow; invasive Group A Strep events will now need EOD follow-up complete before entry.
3) Made “Wing Type” repeatable in EPI/IMM Cluster model HAI question package.
4) Added new question in Sequencing question package for invasive Group A Strep.
5) Created a repeatable variable: 'REDCap Infection Control Assessment and Response (ICAR) record ID, in the Administrative Question Package of the MAVEN Cluster model.

COVID-19

1) Updated the LBOH COVID workflows to hold 7 days of cases from first positive specimen date (previously it was 3 days). If users need to review and find all COVID cases, continue to use the LBOH Confirmed and Probable report.
2) Modified COVID Variant of Concern Report:
   • The COVID Variant of Concern Extract report has been modified to pull out SARS events with sequencing lab results, regardless of status as variants of concern.
3) Added a processing module to reprocess COVID sequencing DNT weekly to capture deduplicated parties.
Foodborne & Waterborne

1) Added Sequencing Information Question Package variables to the Foodborne Cluster/Outbreak Linelist report.
2) Updated HUS For Review workflow diseases to include Shiga toxin producing organisms and Shigellosis.
3) Revised Vibrio sp. (Product Code CHOL) to a non-immediate disease for Wednesday, November 1st, 2023 - Tuesday, April 30th, 2024.
4) Made recreational water (REC_WATER) & farm animals (FARM_ANIMALS) questions repeatable for Shigella and cryptosporidiosis events.
5) Added new question "TRANSMISSION_ROUTE" to Administrative Question Package for Vibrio events.
6) Edit FBI_ILLNESS_REMINDER_LABEL and add to calicivirus risk question package after restaurant/group event questions.
7) Added Sequencing Information Question Package variables to the Foodborne Cluster/Outbreak Linelist report.
8) Enabled existing travel and live outside US questions and add new label to paratyphoid events.

Immunization/VPD

1) Created a denormalized table for Influenza to be used for the weekly flu report and other flu data projects.
2) Made changes to underlying illness for Influenza.
3) Added Pediatric Influenza Investigation Questions to Clinical Question Package.
4) Modifications to sequencing question package to capture strain in COVID and Influenza events
5) Created a new question in Measles Risk Question Package and added to the Measles LBOH and Infection Prevention Wizards.
6) Added "unknown" choice that was missing for Tone in left leg in Acute Flaccid Myelitis Ccinical Question Package.
7) Created LBOH wizards for Vaccine Preventable Diseases (Measles, Rubella, Haemophilus influenzae and Streptococcus pneumoniae)
8) Updated existing Infection Prevention wizards for Measles and Rubella
9) Added choices of: Parapertussis/ Bronchiseptica and Species Unidentifiable in the drop down for Bordetella species question in Administrative Question Package.

Zoonotic

1) Renamed Rocky Mountain spotted fever product code to Spotted Fever Rickettsioses, including RMSF.
   In 2009, CSTE updated Rocky Mountain Spotted Fever to Spotted Fever Rickettsioses due to the inability to distinguish a specific agent using serological laboratory methods. All previous “RMSF” Maven events will now be under “Spotted Fever Rickettsioses, including RMSF”
2) Renamed Monkeypox to Mpox in a few remaining places in MAVEN

Viral Hepatitis

1) Added new questions in Hepatitis B events to capture timing of birth, Ig/vaccine administration.
2) Purged unknown events from MAVEN which had Hepatitis C lab results.
3) Created a new print template for use with the online BIDLS Reporting Form (BRF) reporting portal.
4) Expanded questions in the Integrated Testing and Linkage to Services (ITLS) section in MAVEN to match updates made to the ITLS intake form.

STD

1) Created a workflow to track Sexually Transmitted Infections (STI) among individuals under age 13.
2) Created new variable for STI surveillance review.
3) Created Transgender history report for STD/HIV.
4) Created new Reference code group for first positive STD/HIV JIRA LS.
5) Added new variables and case attribute to calculate first positive lab result.
   • To prepare for updated state regulations where negative STI lab results can be sent to MAVEN, this new variable calculates the first positive lab result like the one in COVID events.
6) Updated STD Event date Hierarchy.
7) Updated Current Housing Status to incorporate Currently Institutionalized.
8) Added Variables to Track Doxy as a Pre-Exposure Prophylaxis (PrEP) for Syphilis
9) Added variable for Revoked Reason variable
10) Created Congenital Syphilis Scenario Variable

HIV

1) Updated HIV - Attached Case Report Form Ready for Review Workflow.
2) Copied variables from HIV Additional Case Report Form (CRF) Question Package to Clinical Question Package.
3) Updated HIV Cluster report.
4) Included additional risk questions in the HIV Additional CRF and Lab Information Question Package.
5) Updated variables under Adult Case Report Form (SOURCE_TYPE_ACRF) in HIV Additional Case Report Form and Lab Information Question Package

Division of Global Populations (DGP) – Tuberculosis and Refugee and Immigrant Health

1) Updated Official City Missing Workflow: Excluded RIHP_FAMILY events from Official City Missing Workflow.
2) Created a DGP Contacts section in Communication Events.
3) Created two new variables for Inter jurisdictional notification (IJN) in the Administrative Question Package of TB model.

ELR / ECR

1) Added/modified fields in investigation table to collect Ordering Facility Phone #.
2) Identified a solution to manage duplicate symptoms/diagnoses from eCR.
3) Created a processing module to fix non-ascii characters in eCR generated MIFs.

Integrations

1) Updated the reference code group for scheduled reports.
2) Added User ID VitalsImport to all Maven environments for vitals integration.
3) Created a processing module to get all events whose teleform sent date is within the past 2 days.
4) Created a scheduled extract report to generate case details whose teleform sent date has been updated in the past 48 hrs.
5) Updated MAVEN for Vitals Integration.
6) Established data flow process for Vitals Integration
   • Created a scheduled report to routinely pull data from Maven for match logic with Vitals
   • Created a processing module to extract data from the report to integration folders for use in Casetivity
7) Automated the running of two reports to create a new Tableau dashboard. This dashboard will help the Healthcare Acquired Infection team track Group A Strep clusters.

**BIDLS Report Forms**

1) Updated the cluster model in MAVEN for the future BIDLS Report Form on pediatric GI information.
2) Created a new Print Template for use with BRFs:
   • The prepopulated teleforms for Hepatitis C and varicella will be replaced with online reporting via the BRFs.

*If you have any questions, please reach out to mavenhelp@mass.gov*