- April 15, 2020

- *New Visualizations and Features:* The Malaria Quarterly Report in M-DIVE now has a new Malaria in Pregnancy tab. A detailed list of additional New Features is available below.

- *M-DIVE Resolved Issues:* The Malaria Quarterly Report in M-DIVE is continually being reviewed and improved through user feedback. A detailed list of Resolved Issues is available below.

- *(New) M-DIVE Help Center:* Key M-DIVE reference documents and articles are compiled in one location. Please access the new M-DIVE help center documentation articles by navigating to this link. The help center can also be reached by navigating to 'Help' in the drop down menu in the top right corner of M-DIVE. These articles support access and use of M-DIVE, as well as provide additional information and updates on topics such as data governance and training resources.

- *Training Video:* As a reminder, the M-DIVE training video available at the following link: https://youtu.be/sdHsU31Ccac. The video provides an overview of the M-DIVE platform and Quarterly Report dashboards using simulated data. We encourage you to view the video and to share it with malaria colleagues interested in learning more about M-DIVE

- *Office Hours for Support:* In the coming weeks, the PMI Data Integration team will be conducting dial-in office hours sessions to assist users with navigating the newly-submitted data and to provide opportunities to discuss questions and provide feedback on dashboards in M-DIVE. If you are interested in sessions or other M-DIVE support, please reach out to Lungi and Alaine.

New M-DIVE Features

- **Quarterly Report Round 4 Data Updated**
  - Released (23 countries): Angola, Cambodia, Cameroon, Côte d'Ivoire, DRC, Ghana, Guinea, Liberia, Madagascar, Malawi, Mali, Mozambique, Myanmar, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Tanzania (Mainland), Thailand, Uganda, Zambia, and Zimbabwe.
- **Malaria in Pregnancy tab**: 'Malaria in Pregnancy" (MIP)' tab is new to the Malaria QR dashboard and it enables countries that submitted pregnancy indicators to answer questions such as 'What does IPTp coverage and completion look like across different areas?' and 'Which areas are or are not completing the full recommended doses of IPTp?'. This tab will expand to include additional visualization when countries start submitting more data on IPTp.

- **Community Healthcare Workers (CHW) data (+ translations)**: Labels and tooltips for these data in the "HMIS Malaria Burden" and "HMIS - Risk Overview" tabs have been translated into French and Portuguese.
- **Consumption Variables tab (+ translations)**: Labels and tooltips for this tab have been translated into French and Portuguese.
- **Country Selectors for Kenya/Thailand.** Kenya and Thailand have been added to the country selector on the"Country Selection" tab of the QR dashboard. This was the first time QR data for Thailand has been processed and added to the QR dashboard. Kenya has not submitted QR data yet, so the new filter option serves only as a placeholder. If Kenya is selected, all views and visualizations will be empty. Still, having this placeholder will make it easier in the future if and when Kenya does submit QR data.
- **Validated/Unvalidated note**. There is now a note in the top-left corner of each tab of the QR dashboard that indicates whether data have been validated by the in-country data owners before it was submitted to M-DIVE. This information was obtained from the "Supporting Information" survey responses that countries submitted along with the filled-out QR data template.
- **QR Data Dictionary update**: On the "Country Selection Dashboard" tab, users can find the definitions for the new CHW, Consumption and MIP indicators inthe QR data dictionary by clicking the "Data Dictionary Link for Malaria Quarterly Report".r

M-DIVE Resolved Issues

- Visualization Updates
  - Malaria Quarterly Report: All tabs
    - Decimal place precision has been removed from all views
    - The X axis on all line charts in the Malaria Quarterly Report have been updated to consistently display Month, Name and Year
    - Maps that were not zooming into the selected country have been corrected
    - Labels have been changed to consistently use a capital letter 'K' to denote 'thousands'
    - Case counts are now formatted as integers
    - Country name has been added to the title of all visualizations
    - "Select measure" has been removed from the instructions on tabs where there is no measure to select
  - HMIS Reporting Quality tab:
    - Legend and chart colors have been aligned
    - French and Portuguese translations were added
    - The legend label that was cut off is now fixed
    - "Municipality" text label is now shifted so that it no longer obscures the dropdown menu for selecting the Admin 2s

- HMIS Malaria Burden tab:
  - A color legend was added to French and Portuguese translated tabs
  - Axis labels that were cut off are now fixed
  - The tooltip for the cases trend line chart is now updated
  - A Y-axis title was added to the bar chart
- HMIS Year Over Year (YOY) Change tab:
  - A legend was added to the map.
  - A label was added to '% Change' legend
  - A title was added to the Y-axis
  - The map legend was changed to discrete ("decreased"/"increased") instead of using a continuous scale.
- HMIS Risk Overview tab
  - The order of the barcharts on the HMIS Risk Overview tab was changed to be more intuitive (suspected >> confirmed >> severe >> deaths).
  - The trend lines on the HMIS Risk Overview tab was smoothed out for countries that submitted confirmed malaria cases disaggregated by cases identified at the community level and cases identified at the facility level:
  - A Y axis title was added
  - Admin names in the bar chart were sorted in alphabetical order
  - Overlapping labels in French and Portuguese versions were fixed
- HMIS Case Testing tab:
  - Legend colors were aligned with each chart. Legend labels are fully visible, and tooltips were added that define key terms on the tab: Test Positivity and Confirmed Cases
  - The stacked bar chart on the HMIS Case Testing tab now checks for data anomalies that would cause case testing percentages to be negative or exceed 100% (e.g., cases where the number of confirmed cases is larger than the number of tested cases, cause the test positivity percentage to be > 100%). When data anomalies are detected, the entire horizontal bar is now colored grey, to indicate that there was an issue with the data.
  - The truncated Y axis label has been fixed.
  - A truncated label has been fixed.
- HMIS Case Management tab:
  - The maximum value for the X-Axis scale on the scatter chart has been set to 30%, because the percent severe cases is never above 30% for Malaria.
  - A legend for the size of the bubbles has been added.
  - The tooltip for the bubble chart has been updated with new information.
  - The "show history" button has been removed.
- LMIS Reporting Quality tab:
  - The tooltip has been updated to include previously missing information

- ○ LMIS Stockout Report tab:
  - ■ The color scale of the heat map has been changed to prevent extremely high values from skewing the scale
  - ■ The map now focuses on the selected country
  - ■ French and Portuguese translations for the color legend labels have been added.
- ○ Consumption Variables tab:
  - ■ The map now focuses on the selected country.
- ● Data
  - ○ Liberia historical data were ingested with some errors in Round 1 of the quarterly report, leading to missing HMIS historical data in 2018. The round 1 data were-imported, resulting in updated 2018 data for Liberia
  - ○ In Niger, 9 regions were displayed due to a mis-alignment of the names between data sources . Regions Tillaberi and Tillabery are now aligned to the same region (Tillabery). The dashboards now appropriately display the 8 Niger regions
  - ○ Zambia's administrative name mappings have been corrected for misspellings of Shibuyunji and Chiengi
  - ○ Q4 2019 Mozambique data, which was previously missing, is now added
  - ○ Data aggregation issues for Senegal 2016-2019 data have been corrected. Hospitals are now mapped to districts
  - ○ Admin alignment for DRC reflects the most recently submitted Admin 2 to Admin 1 crosswalk