

Round 8 Release Tracking (For “Standard Users of MDIVE”)

- **Data Updates**
 - **Quarterly Report Round 8 Data Updated (Q3+Q4 2020)**
 - Released (22): Angola, Benin, Cambodia, Cameroon, Côte d'Ivoire, DR Congo, Ethiopia, Ghana, Guinea, Kenya, Liberia, Madagascar, Malawi, Mali, Mozambique, Myanmar, Nigeria, Rwanda, Tanzania (Mainland and Zanzibar), Thailand, Uganda, and Zambia
 - Did not submit data this round (5): Burkina Faso, Niger, Senegal, Sierra Leone, and Zimbabwe
 - **DHIS2 connection:**
 - This round, 9 countries used a direct connection between M-DIVE and DHIS2 to submit their HMIS data. If you would like to submit HMIS and/or LMIS data through DHIS2, please reach out to the PMI Data Integration team. A video tutorial of the DHIS2 to M-DIVE connection is available here: [How to facilitate data exchange between DHIS2 & M-DIVE](#)
- **Malaria Quarterly Report**
 - **Custom Admin Mappings:** our system for standardizing geographical names (“Admin Alignment”) maps geographical names in the submitted QR data to a list standardized name (“canonical” names). Our canonical names currently support up to five levels of administrative subdivisions (not including the country-level itself). The Malaria Quarterly Report currently supports up to two geographical subdivision levels. By default, these were set to the first and second subdivision levels. In this update, we have added new logic that allows us to customize which two levels should be displayed in the Malaria Quarterly Report. For most countries, these are still the first and second divisions. The exceptions are:
 - Benin: 12 Departments (level 1) and 82 Communes (level 3)
 - Burkina Faso: 13 Regions (level 1) and 70 Health Districts (level 3)
 - Côte d'Ivoire: 33 Regions (level 2) and 113 Health Districts (level 3)**Please let us know if you would like the Malaria Quarterly Report to use a different administrative level than the ones currently displayed!**
 - **Admin Alignment Overhaul:** we reviewed our list of standardized geographical names (“canonical” admin names) and for each name decided whether to 1) keep it, 2) remove it (e.g., if the name is deprecated), 3) rename it (e.g., use the same spelling as in DHIS2), or 4) remap it (e.g., map a district to a different region, or change the subdivision level). Of the 7K canonical Admin 1 and 2 names we retired 310 names, added 253 new names, renamed 1,828, and remapped 419. With these new canonical names, we then reviewed all unmapped geographical names in the Quarterly Report data and Shapefiles. Of the 1,960 unmapped names, we mapped

1,300 to the canonical names with high confidence. This increased our overall match rate from 93% to 99.6%. This is an ongoing effort! As new QR data, Shapefiles and data from other sources (e.g., Financial, Climate) are added to M-DIVE, we incorporate them into the Admin Alignment system, causing our match rates to fluctuate. **Please let us know if you notice any unmapped geographical names, or incorrect spellings!**

- **Shapefiles:** we updated the Shapefiles for the following 9 countries

Country	Source	Admin Level 1	Admin Level 2
Cambodia	HDX	Province (25)	District (197)
Côte d'Ivoire	In-country Team	Region (33)	District Sanitaire (113)
Ethiopia	HDX	Region (12)	Woreda (1040)
Kenya	HDX	County (47)	Sub-County (290)
Liberia	HDX	County (15)	District (136)
Mozambique	HDX	Province (11)	District (159)
Myanmar	MIMU	State + Region (18)	District (80)
Niger	HDX	Département (8)	District Sanitaire (67)
Tanzania	HDX	Region (31)	District (170)

- **QR Data Dictionary:** we updated the calculation of the LMIS Reporting Rate to “`LMIS Reporting Rate = sum([Facilities that submitted their monthly report to LMIS]) / (Facilities expected to report on LMIS)`”. The LMIS Reporting Rate in the Malaria Quarterly Report itself was already being calculated using this formula, but the Data Dictionary still displayed the outdated formula.
- **Simulated Malaria Quarterly Report:** Some tabs or charts in the standard Malaria Quarterly Report may be empty if data has not been provided for some (or all) areas or indicators. The report can also not be shared publicly, due to the sensitive nature of the data. To demonstrate the full functionality of the Malaria Quarterly Report, to both participating PMI countries and interested parties in the malaria research community (e.g., at ASTMH), we created a Simulated Malaria Quarterly Report that uses synthetic QR data and Shapefiles for four synthetic countries. The synthetic data extends up to and including

Q4 2020 (parallel with the most recently submitted QR data). The Simulated Malaria Quarterly Report can be found [here](#).