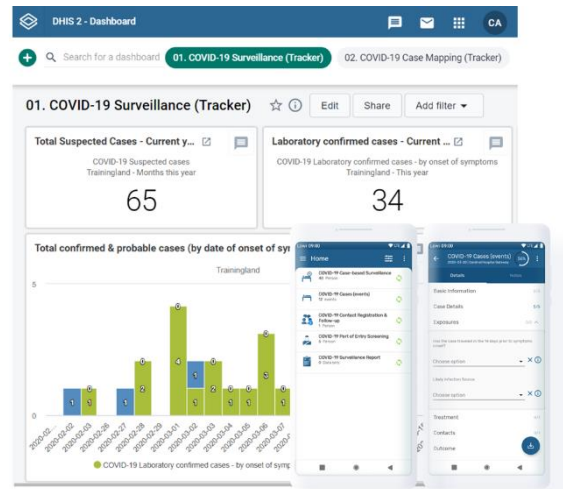# DHIS2 Digital Data Package for COVID-19 Surveillance

University of Oslo Health Information Systems Program (UiO HISP) has released a digital data package to accelerate case detection, situation reporting, active surveillance and response for COVID-19.

The package is inspired by the Ministry of Health Sri Lanka's pioneering design of DHIS2 tracker for COVID-19 case detection and draws on years of collaboration with the World Health Organisation (WHO) to develop information system standards for case-based disease surveillance. The COVID-19 digital data package includes standard metadata aligned with the WHO's technical guidance on COVID-19 surveillance and case definitions and implementation guidance to enable rapid deployment in countries.

The package supports surveillance workflows and automated analysis for key components of routine and active surveillance:
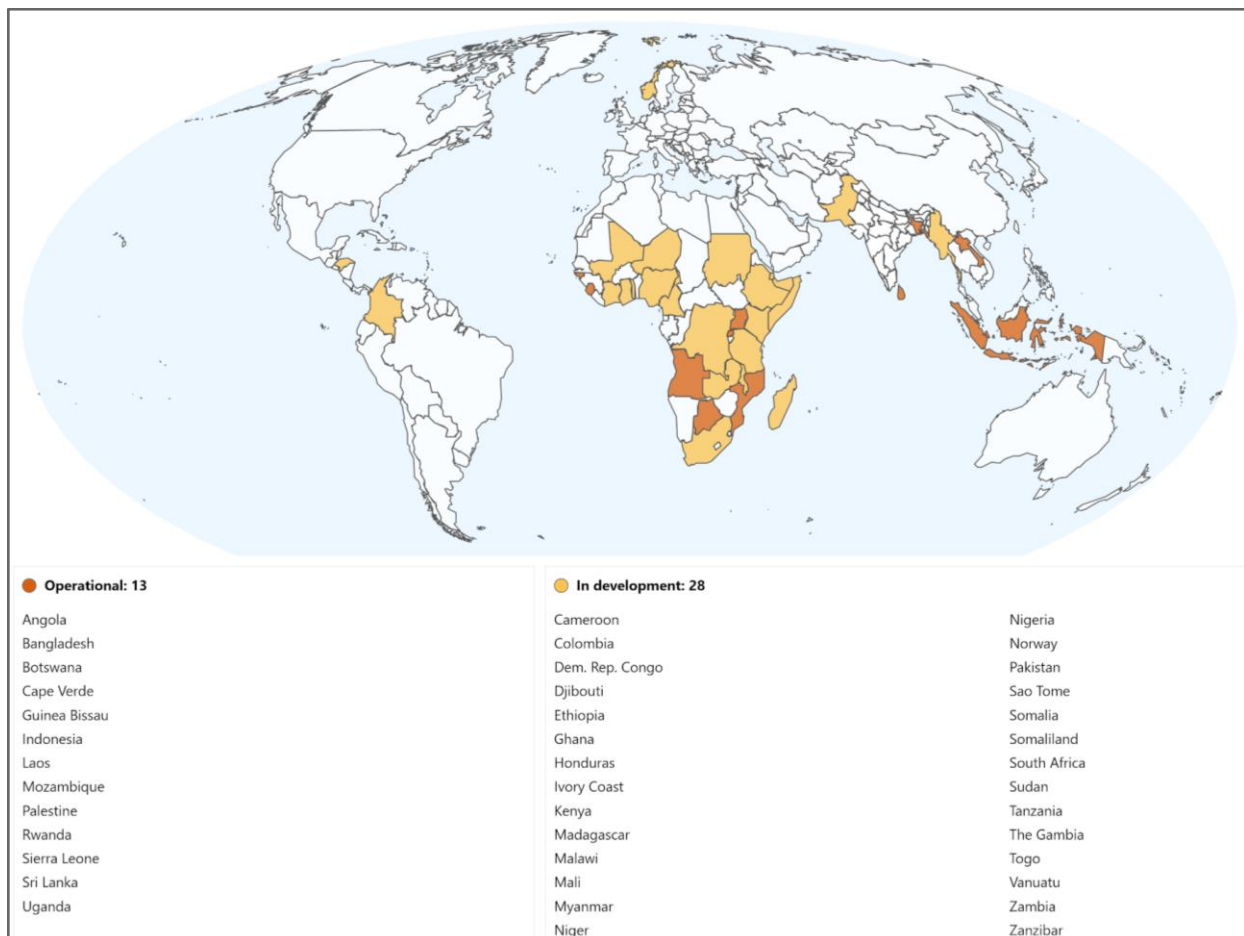
- **COVID-19 Case-based surveillance [tracker]:** enrolls & tracks suspected cases; captures symptoms, demographics, risk factors & exposures; creates lab requests; links confirmed cases with contacts; and monitors patient outcomes.
- **Contact registration & follow-up program [tracker]:** strengthens active case detection through contact tracing activities, such as identification and follow-up of contacts of a suspected or confirmed COVID-19 case.
- **Points of Entry screening & follow-up program [tracker]:** enrolls travelers who have visited high-risk locations at Points of Entry for monitoring and follow-up.
- **COVID-19 Aggregate Reporting [aggregate]:** an aggregate reporting dataset that captures minimum necessary data points for daily or weekly reporting of case data, key stocks and resource availability such as hospital beds and ICU units.
- **COVID-19 Surveillance Event Program [event]:** a simplified line-list that captures a subset of minimum critical data points to facilitate rapid analysis & response, particularly useful when caseloads or burden of reporting exceeds capacity for case-based surveillance tracker

Native Integration with Android

All digital data packages are optimized for Android data collection with the DHIS2 Capture App, which is free to download on the Google Play store. **Explore our interactive demo covid.dhis2.org/demo**

COVID-19 Surveillance Package Deployment

Packages are designed in a modular way and can be installed as a standalone COVID-19 package or can be integrated into a country's existing integrated disease surveillance & response systems. Through the global HISP network, the COVID-19 package as been rapidly adopted in the following countries:

● Operational: 13

Angola	
Bangladesh	
Botswana	
Cape Verde	
Guinea Bissau	
Indonesia	
Laos	
Mozambique	
Palestine	
Rwanda	
Sierra Leone	
Sri Lanka	
Uganda	

● In development: 28

Cameroon	Nigeria
Colombia	Norway
Dem. Rep. Congo	Pakistan
Djibouti	Sao Tome
Ethiopia	Somalia
Ghana	Somaliland
Honduras	South Africa
Ivory Coast	Sudan
Kenya	Tanzania
Madagascar	The Gambia
Malawi	Togo
Mali	Vanuatu
Myanmar	Zambia
Niger	Zanzibar

For more information, visit dhis2.org/covid-19 or contact us at covid@dhis2.org