

**The preliminary online survey**  
**“Applying Technology by Field Epidemiology to respond COVID-19 Pandemic”**  
**among Technical Expert Advisory Panel (TEA) members in October 2021**

This survey provides general points of view from the Technical Expert Advisory Panel (TEA) members on applying technology by field epidemiology to respond to the COVID-19 Pandemic. There are 5 sub-topics to describe how they have applied the technology below.

- 1) **Training Workforce;** Technology provides the benefits through online-training workshops for updating the pieces of knowledge and orientation staff. Digital media allows workshops or training having more convenient and participate.
- 2) **Support Networking;** Many online platforms for supporting teams on collaboration and better coordination through virtual meetings, team collaboration, and communication, such as Microsoft teams and Zoom. These platforms have been implemented daily briefings across different sites without traveling and other obstacles for making important decisions. Google sheets are a good choice for working from remote areas.
- 3) **Facilitating to respond to the COVID-19 Pandemic;** The dashboard platform displays vaccination records and recent COVID test results uploaded to the cloud server. This technology approach helps better identify the people at risk. The platform contains a personalized health record for contact tracing (Bluetooth) under quarantine and links to all sites. It can help for reducing the workload and better management.
- 4) **Enhance the monitoring of the COVID-19 situation;** Technology and innovation help to enhance the COVID-19 situation monitoring system by using aggregated real-time data dashboard. The standardized dashboard information has the potential to be categorized by level (incident cases, total positivity rates) and extracted for further analysis at any time.
- 5) **Modern technologies applied for COVID-19 response;** E-vaccine passport. It would have a personalized health code indicating their vaccine doses because health codes can determine entry into premises.

As importantly, we believe that this technology and innovation information would be beneficial, practical, and applied to field epidemiology practices/frontline responding to COVID-19 in our ASEAN Plus 3 FETN Member Countries.