

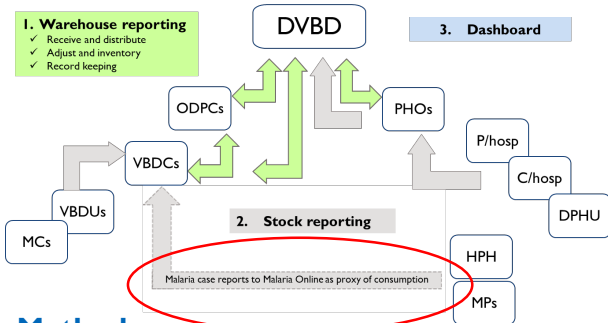
# ESTABLISHMENT OF PSM ONLINE AMIDST THE NEW NORMAL OF COVID-19 PANDEMIC

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## Introduction

- Malaria logistics data in Thailand are paper-based.
- In 2020, using the District Health Information Software 2 (DHIS2), the Division of Vector-Borne Diseases (DVBD) developed PSM Online application to improve stock visibility and logistics reporting across the malaria supply chain. (Figure 1).
- PSM Online allows data entry of malaria products received, distributed, consumed; and reporting using dashboard feature (Figure 2).
- Implementation was delayed due to COVID-19 pandemic

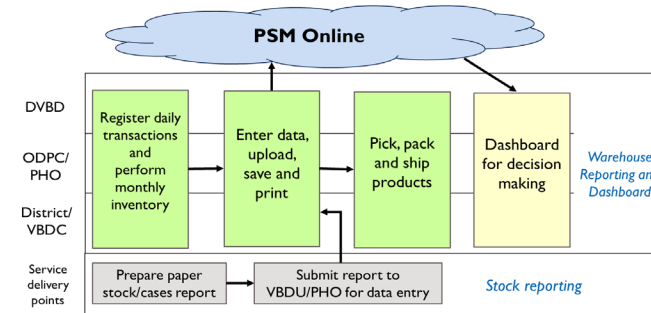
Figure 1. PSM Online features and reporting pathways



## Methods

- To meet target launch date, 10 virtual simulation training for DVBD users and pre-testing sessions ran from June-August 2021.
- User manuals and production environment were developed.
- Retroactive encoding of products received and distributed from October 2020 up to September 2021.

Figure 2. PSM Online operational process



## Results

- PSM Online was launched for the DVBD warehouse in September 2021.
- DVBD can generate inventory reports, track products (Figure 3) and monitor expiry dates (Figure 4).
- Phased rollout among regional and provincial warehouses, districts and health facility levels in high-risk areas will follow.

Figure 3. Movement of products at DVBD, FY2021

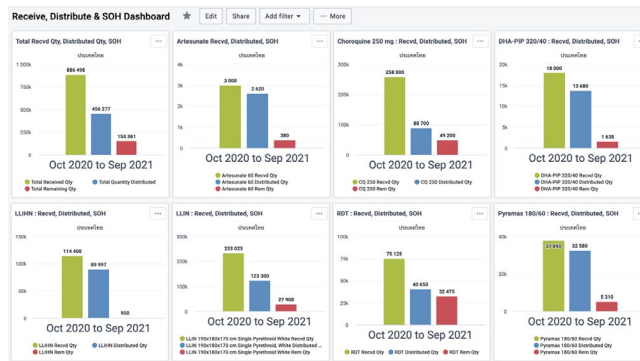
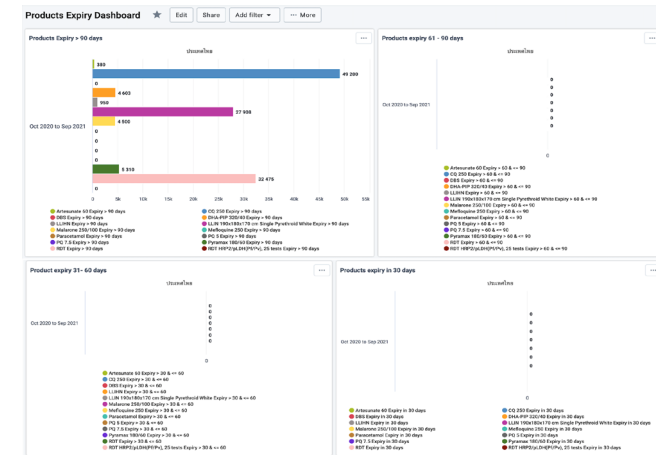


Figure 4. Monitoring shelf-life



## Conclusion

- PSM Online can provide a reliable logistics data that will improve forecasting, budgeting, procurement, and supply management of malaria commodities in Thailand.
- Monitoring shelf-life and locating products within the supply chain would allow redistribution and reduce the risk of stockouts, oversupply and expired products.
- Amid COVID-9 pandemic, electronic systems enable logistics data to flow smoothly without transporting paper-based reports. Likewise, a carefully designed virtual training can be as good as in-person training during pandemic.

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