

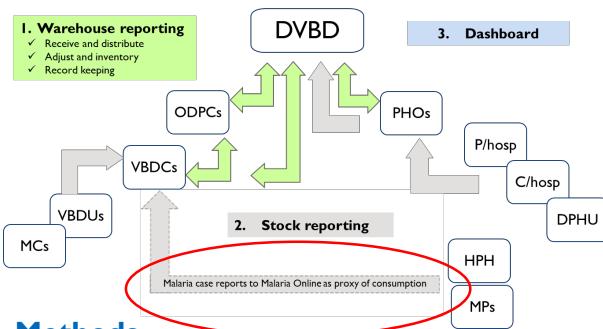
ESTABLISHMENT OF PSM ONLINE AMIDST THE NEW NORMAL OF COVID-19 PANDEMIC

Thannikar Thongard, Darin Areechokchai, Rungrawee Tipmontree, Jerdsuda Kanjanasuwan, Isara Srisaard, Waraduan Tiruksa, Phichet Buabangkhang, Prayuth Sudathip
Division of Vector Borne Diseases, Department of Disease Control, Ministry of Public Health, Thailand

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

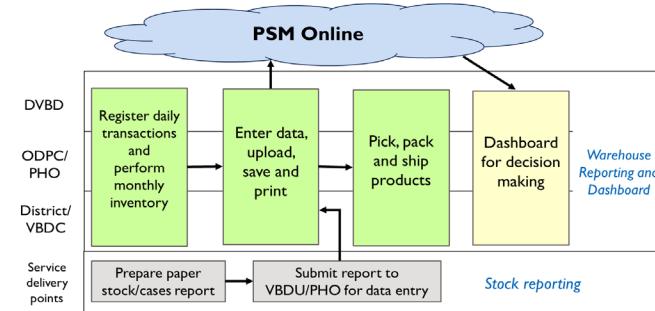
Figure 1. PSM Online features and reporting pathways



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

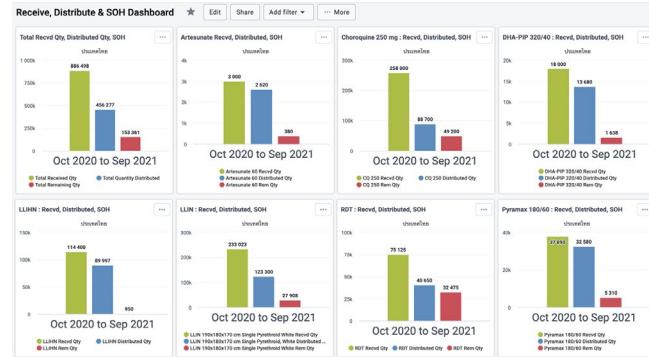
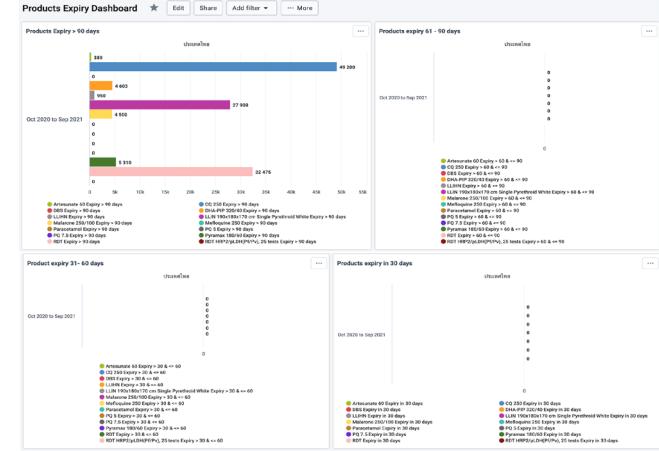


Figure 4. Monitoring shelf-life



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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