Nutthawoot Promda

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Professional Summary

Public health and data systems specialist with over 15 years of progressive experience across laboratory diagnostics, research coordination, and digital health informatics. Proven success in strengthening malaria elimination programs, managing health data pipelines, developing analytic dashboards, and supporting global health partnerships. Recognized by CDC and partners for contributions to public health surveillance and program integration.

Professional Experience

Public Health Informatics Consultant
RTI International – Bangkok, Thailand
Aug 2021 – Sep 2024

- Provided technical support to Thailand's Division of Vector-Borne Diseases (DVBD) to enhance the iDES (Integrated Drug Efficacy and Surveillance) system for malaria.
- Improved data entry portal to process a backlog of laboratory and technical data for national malaria surveillance.
- Developed and integrated new data visualizations into the iDES dashboard to improve insight generation.
- Delivered training for national and subnational malaria control teams on data processes and visualization tools.

Research Consultant – Thailand
UCSF/MEI – Malaria Elimination Initiative, Nonthaburi, Thailand
Aug 2020 – Aug 2021

- Supported the National Malaria Control Program in engaging Local Administrative Organizations (LAOs) to mobilize domestic resources and strengthen the sustainability of malaria elimination efforts.
- Contributed to the design of research tools and protocols, prepared regulatory submissions for IRB approval, and conducted data collection through document reviews and key informant interviews.
- Coordinated national- and subnational-level stakeholder meetings and LAO training workshops; provided project organization and logistical support.
- Analyzed pre- and post-training survey data for LAO engagement workshops and contributed to reporting and integration guideline development.
- Created a tool for tracking LAO contributions to malaria elimination using integrated data from Malaria Online and the NHSO Local Health Security Fund database.
- Developed and implemented data cleaning and analysis workflows to assess LAO funding support.
- Served as a liaison between UCSF/MEI and the DVBD, contributing to strategy development for integrating malaria services into the general health system.

Medical Technologist (Part-time)
Bio-Molecular Laboratory, National Healthcare, Bangkok
Apr 2020 – Jul 2020

- Performed SARS-CoV-2 RT-PCR testing during the initial COVID-19 outbreak in Thailand.
- Provided surge support in molecular diagnostics under pandemic response protocols.

Research Assistant
Faculty of Public Health, Mahidol University, Bangkok
Jul 2019 – Aug 2020

- Supported a national study on influenza vaccine hesitancy among healthcare workers.
- Facilitated focus group discussions, managed IRB documents, and designed electronic CRFs.
- Oversaw secure data entry and quality control procedures.

Medical Research Technologist
Thailand MoPH – U.S. CDC Collaboration (TUC), Bangkok
Jul 2011 – Apr 2019

- Conducted HIV/STD diagnostic services and supported multiple CDC-funded clinical research studies.
- Implemented laboratory QA/QC practices and specimen handling procedures.
- Participated in epidemiologic research and surveillance studies at Silom Community Clinic @TropMed.

Medical Technologist
Maharaj Nakorn Chiang Mai Hospital, Chiang Mai
Apr 2008 – Jul 2010

- Managed cross-matching, blood screening, and component preparation for transfusion medicine services.
- Supported donor blood collection and inventory tracking.

Education

Bachelor of Science (Medical Technology)
Chiang Mai University – Chiang Mai, Thailand
2004 – 2007

Skills

Hard Skills

- Public health informatics (iDES, Malaria-Online)
- Data visualization & dashboard design (Tableau, Google Data Studio, matplotlib, seaborn, plotly)
- Programming & analytics: Python (pandas, NumPy), SQL, Excel
- Data cleaning, integration & quality assurance
- Research protocol development & IRB submission
- Laboratory diagnostics (SARS-CoV-2 RT-PCR, HIV/STD testing)
- Clinical trial operations & GCP compliance
- Blood bank operations & transfusion services

Soft Skills

- Cross-sector stakeholder coordination (MoPH, UCSF, RTI, LAOs)
- Workshop facilitation & capacity building
- Scientific writing & report preparation
- Critical thinking & problem-solving
- Strong organizational & time management skills
- Adaptability in high-pressure environments (e.g., COVID-19 lab support)
- Bilingual communication – Fluent in Thai and English
- Collaborative team leadership in multi-partner projects

Certifications & Professional Development

- Good Clinical Practice for CRC & CRA – CITI Program (Exp. Jun 2024)
- Human Subjects Research – CITI Program (Exp. Jun 2024)
- Data Analyst Career Track (Python) – Datacamp
- SQL for Data Science – UC Davis (Coursera)
- Geospatial Analysis – Kaggle
- Database Design – Datacamp
- Effective Problem-Solving & Decision-Making – UC Irvine (Coursera)

Awards & Recognition

- Excellence in Partnering Award – CDC DHAP International (2020)
- Certificate of Appreciation – TUC (2019)
- Excellence in Laboratory Quality Award – CDC DHAP (2019)
- NCHHSTP Honor Award – CDC (2018)

Publications

1. Promda, N., et al. (2024). *Lessons learned and collaborative models between public health agencies and local administrative organizations for malaria elimination.* Disease Control Journal, 50(1). https://doi.org/10.14456/dcj.2024.17
2. Sudathip, P., Promda, N., et al. (2022). *Leveraging geo-referenced malaria information to increase domestic financial support for malaria elimination in Thailand.* Malaria Journal, 21, 213. https://doi.org/10.1186/s12936-022-04267-5
3. Wimonsate, W., Promda, N., et al. (2021). *Antiretroviral treatment initiation among HIV-positive participants in the Bangkok MSM Cohort Study, 2006–2016.* International Journal of STD & AIDS, 32(8), 687–693. https://doi.org/10.1177/0956462420985342
4. Ungsedhapand, C., Promda, N., et al. (2015). *Syphilis incidence and associated risk factors among MSM in Bangkok, Thailand, 2006–2015.* Sexually Transmitted Infections, 91(Suppl 2), A180.1. https://doi.org/10.1136/sextrans-2015-052270.467
5. Weston, E. J., Wi, T., & Papp, J. (2017). *Strengthening global surveillance for antimicrobial drug–resistant Neisseria gonorrhoeae.* Emerging Infectious Diseases, 23(Suppl 1), S47–S52. https://doi.org/10.3201/eid2313.170091
6. Weir, B. W., Baral, S., Promda, N., et al. (2023). *High PrEP uptake, adherence, persistence and effectiveness among young Thai men and transgender women who sell sex.* The Lancet Regional Health – Southeast Asia, 15, 100217. https://doi.org/10.1016/j.lansea.2023.100217