

Consolidation and expansion of the electronic NCD reporting system

This consultancy is requested by:

Unit:	DC-HE Team
Division:	WR Viet Nam

1. Purpose of the Consultancy

The purpose of the consultancy is to support the Electronic Health Administration (EHA) department of Ministry of Health Vietnam with the consolidation and expansion of the electronic Non-Communicable Disease (NCD) reporting system utilizing the District Health Information System 2 (DHIS2) platform. The consultancy will assist the EHA department with system configuration to accommodate NCD program requirement, integration of data from health facility information system and develop analysis tool to meet end users and health administrator's analysis need towards decision making by improving quality and coverage of the NCD information system.

2. Background

NCD management, especially at commune health stations is critical to reduce huge treatment gap and it's one of the first priorities in Viet Nam. Reporting on NCD management is to monitor outcomes of patients and coverage of the services. The result from reporting is for decision making to improve quality and coverage of NCD management. It is also for evaluation of NCD management program.

To have good system for reporting on NCD management, the Electronic Health Administration (EHA), MOH got support from the WHO to develop NCD software based on DHIS2 in 2021. This software works as an electronic NCD reporting system and went to operation since middle of July 2021. As of 31 August 2022, there are more than 2,700 commune health stations (CHSS) in 50 provinces using the software to generate real time report on NCD management. Data on hypertension and diabetes management have been automatically transferred from the software into the national health statistics software to reduce the workload for health workers.

To ensure the scalability and sustainability of the NCD information system designed basing on DHIS2 platform by EHA department of MOH Vietnam, it is vital to review the existing system configuration and setup along with the requirement towards analysis and integration of data from other national and health facility information system. Thus, the consultancy will work closely with WHO and EHA- MoH Vietnam, to ensure all the requirement towards NCD information system are met.

3. Planned timelines (subject to confirmation)

Start date: 10 October 2022

End date: 31 December 2022.

4. Work to be performed

The contractor in close collaboration with the WHO technical team to work with the EHA department of Ministry of Health and other stakeholders including WHO Vietnam, General Department of Preventive Medicine (GDPM)- MOH, National Institute of Hygiene and Epidemiology (NIHE) and other stakeholders who are major software providers in Vietnam (such as Viettel and VNPT corporations).

The contractor will perform the following key actions:

- 1) Review the current DHIS2 MOH health statistics for NCD and provide recommendation for further improvement for system functions.
- 2) Set up and configure server to optimize performance
- 3) Upgrade of NCD information system to meet with appropriate latest release of DHIS2 version
- 4) Configure DHIS2 platform to meet analytics needs of NCD health program
- 5) Create indicators according to WHO's ones and MOH's requirements
- 6) Create standard reports and relevant dashboard and notification based on the final indicators list provided by WHO and MOH
- 7) Develop data exchange mechanism to reduce health data entry workload based on the findings of the review of the existing data systems (either by integrating with identified hospital information systems or semiautomatic import of data by using excel import).
- 8) Support EHA to manage and scale up DHIS2 NCD module by use of appropriate monitoring tools and enhancement.
- 9) Provide overall maintenance and training support for DHIS2 implementation during and 6 months after the contract period.

Deliverables:

- Recommendation for further improvement of the NCD information system.
- Configured DHIS2 platform for NCD information system.
- SOP for DHIS2 NCD module rollout and maintenance
- SOP on User role and access of data
- SOP for data exchange mechanism from other source
- User guide for importing NCD data

5. Technical Supervision

The selected Consultant/APW holder will work on the supervision of:

Responsible Officer:	Dr Lai Duc Truong, Technical Officer, DC-HE Team	Email:	Laid@who.int
Manager:	Dr Ngon Mya Sapal, DC Team Coordinator	Email:	Ngonm@who.int

6. Specific requirements:

The proposed team must have the following qualifications and experience:

EDUCATION

Essential:

Public Health and Health Information Technology/Digital Health Expert.

EXPERIENCE

Essential:

- At least 5 years' experience in the design and maintenance of databases using the DHIS2 software.
- At least 5 years' experience in health information systems, public health and database design.
- Experience working in Vietnam and Asian countries is preferable.

- Strong business (clinical and public health) and digital/technical acumen with demonstratable track record of success; and

Desirable:

- Previous experience in resource settings in public health, health information systems, health informatic management and monitoring and evaluation; and
- Previous international experience in digital health or similar role.
- Must be able to provide ongoing support, training and capacity building to MOH and WHO in DHIS2 database development and maintenance.
- Must be: (1) a competent communicator; (2) capable of meeting deliverables on time; and (3) adaptable to changing contexts.

TECHNICAL SKILLS & KNOWLEDGE

- Excellent communication skills;
- Excellent analytical, planning and organizational skills;
- Ability to work in a team with limited supervision; and
- Ability to work under pressure.

LANGUAGES

- Written and spoken fluency in English is essential.
- Written and spoken fluency Vietnamese language.




7. Place of assignment: Ha Noi and the workplace of the APW's holder (online)

8. Cost.

All bids will be evaluated based on submitted proposal with detailed budget breakdown.

9. Travel: To and from Ha Noi

10. Reviewed and cleared by:

	Responsible Technical Officer	Team Coordinator	WR
Signature			
Date	7 Sep 2022	7 Sep 2022	7 Sep 2022
PTAEO		WPVNM2219601; 18.2;66770;513; WP_VNM	

11. Other requests to be approved:

	Team Coordinator	WR
<ul style="list-style-type: none"> • WHO e-mail account Yes [] No [x] • WHO laptop Yes [] No [x] • Workstation at GOUNH Yes [] No [x] 		

