

**Proposed Workplan for
2022-2026 WHO–RTG CCS on
Convergence of Digital Health
Platforms and Health
Information Systems (HIS)
Implementation in Thailand
(ConvergeDH)**

10 Nov 2021

Overview of 2022-2026 WHO-CCS Priority Programme: ConvergeDH

Goal and Strategic Objective

- To create a collaborative digital health governance mechanism to lead the development of Thailand's digital health and integrated health information systems with the support of WHO through five focus areas (see table)

Types of activities, outputs and timeline

- A Steering Committee will be established to oversee the programme and Working Groups will be set-up to support each focus area
- Outputs generated from the programme will be technical in nature or policy-oriented
- Partners for each focus area will be identified to ensure inclusiveness
- M&E of activities will be conducted using the Context, Input, Process and Product (CIPP) model
- Activities will be carried out over 5-year period of the WHO-CCS programme (see additional slides on high-level activities)

Focus areas	Objective
I. Landscape analysis for governance mechanism for digital health and health information systems in Thailand	To increase the understanding of the landscape for digital health in Thailand and establish shared vision across stakeholders.
II. Standards and interoperability of datasets for road traffic injuries, migrant workers and genomics	To design a standard dataset for use in the cases of road traffic injuries, migrant workers and genomics
III. Framework for health data management and data sharing with data protection in Thailand	To build consensus and implement a framework, as appropriate, for health data management and data sharing in Thailand in a secured manner, while protecting people's privacy
IV. Open data catalytic initiative for research and policy support in Thailand	To summarise and share information on availability and accessibility of data in Thailand
V. Virtual hospitals and telemedicine in Thailand	To understand the current context of virtual hospital and telemedicine in Thailand and explore patients' experiences upon services

Overview of 2022-2026 WHO-CCS Priority Programme: ConvergeDH

Expected Outcomes and Impact

- Creating a shared vision for digital health in Thailand
- Demonstrating concepts on standards and legislative requirements and exploring open data policy
- Understanding the potential for virtual hospitals and telemedicine to improve health service delivery
- Converging partners and building capacity for lasting impact

Estimated Budget (5 years)

- THB 15,688,662

Shared vision ~ <https://www.youtube.com/watch?v=lyESvprvRbl>

Plans for Year 1-5 (2022-2026)

ConvergeDH is a unique programme in that will bring together a range of partners to create a shared vision for digital health in the first year through a convergence workshop that will inform activities during the five-year programme.

Key activities for the five-year period will include technical and policy-oriented outputs in each of the five focus areas.

High-level summary of proposed milestones (Selected)	Duration				
	Year 1	Year 2	Year 3	Year 4	Year 5
Formation of a steering committee and working groups for all focus areas					
Focus area 1: Landscape analysis for digital health and health information systems in Thailand <ul style="list-style-type: none"> Convergence workshop of relevant Thai stakeholders and experts to create a shared vision for digital health Use recommendations to inform strategic plans for other focus areas (2-5) 					
Focus area 2: Support the Development of national health information architecture, standards, and interoperability <ul style="list-style-type: none"> Development and implementation of minimum data standard components in case studies of road traffic injuries (RTI), migrant workers or genomics 					
Focus area 3: Framework for health data management and data sharing with data protection in Thailand <ul style="list-style-type: none"> Collaborate with research team (law) to conduct the research related to PDPA Act, including public announcement 					
Focus area 4: Open data catalytic initiative <ul style="list-style-type: none"> Situational analysis of current open data policy and dissemination of results 					
Focus area 5: Virtual hospitals and telemedicine <ul style="list-style-type: none"> Recommendations for virtual hospitals and telemedicine in Thailand 					

Plans for Year 1 (2022)

Key activities in 2022 will be to convene a Steering Committee, set up working groups and to conduct a Convergence Workshop to create a shared vision for digital health and HIS in Thailand that will inform the trajectory of the WHO-CCS programme. Estimated budget for activities is THB 3,200,000.

Proposed milestones	Targeted Duration 2022			
	Q1	Q2	Q3	Q4
Formation of a steering committee and working groups for all focus areas				
Focus area 1: Convergence workshop of relevant Thai stakeholders and experts				
Landscape analysis of digital health and health information systems in Thailand				
Consultation meeting on (i) findings from the landscape analysis (ii) strategic plans and scopes of work for sub focus areas in consecutive years				
Finalise strategic plans and start working on other sub focus areas (2-5)				

Additional slides

A high-level workplan:

Proposed activities, outputs and timelines for focus areas

I. Landscape analysis for digital health and health information systems in Thailand

Key activities	Outputs/milestones	Duration				
		Year 1	Year 2	Year 3	Year 4	Year 5
Steering committee to propose and confirm a working group for focus area	Policy-oriented output: ○ Working group established					
Convergence workshop of relevant Thai stakeholders and experts	Policy-oriented outputs: ○ Meeting held ○ Meeting summary ○ Consensus agreement					
Landscape analysis of digital health and health information systems in Thailand	Technical output: ○ Report					
Consultation meeting on findings from the landscape analysis strategic plans and scope of work for sub-focus areas in consecutive years	Technical output: ○ Report					
A country/academic conference visit (tentative)	Policy-oriented outputs: ○ Visit summary ○ Lesson learned shared to stakeholders					
Supporting the governance mechanisms to approve the standards and interoperability (RTI)	Policy-oriented outputs: ○ Meeting held ○ Meeting summary ○ Consensus agreement					
Supporting the governance mechanisms to approve the standards and interoperability (Migrant health)	Policy-oriented outputs: ○ Meeting held ○ Meeting summary ○ Consensus agreement					
Supporting the governance mechanisms to approve the standards and interoperability (Genomics)	Policy-oriented outputs: ○ Meeting held ○ Meeting summary ○ Consensus agreement					

II. Support the development of national health information architecture, standards, and interoperability

Key activities	Outputs/milestones	Duration				
		Year 1	Year 2	Year 3	Year 4	Year 5
Steering committee to propose and confirm a working group for focus area	Policy-oriented outputs: ○ Working group established					
Generic project structure for case studies (each to be conducted sequentially)						
Stakeholder engagement for assessing needs and feasibility for minimum data standards	Policy-oriented outputs: ○ Meeting held ○ Meeting summary ○ Consensus agreement					
Mapping and landscape analysis of data standards and communities of practice within participating agencies	Technical output: ○ White paper					
Supplementary literature review to fill gaps between standards and communities of practice identified from the landscape analysis and the needs identified from stakeholder engagement meeting	Technical output: ○ White paper					
Stakeholder engagement meeting to decide upon the implementation plan based on the findings of the mapping and landscape analyses and literature review exercises	Policy-oriented outputs: ○ Meeting held ○ Meeting summary Technical output: ○ Data standards framework actions agreed					
Development and implementation of minimum data standard components using standards identified from the landscape analysis and literature review	Technical output: ○ Data standards framework					

III. Framework for health data management and data sharing with data protection in Thailand

Key activities	Outputs/milestones	Duration				
		Year 1	Year 2	Year 3	Year 4	Year 5
Steering committee to propose and confirm a working group for focus area	Policy-oriented outputs: <ul style="list-style-type: none">Working group established to guide and support the team					
PDPA act implementation research questions identified by expert meeting	Policy-oriented outputs: <ul style="list-style-type: none">Meeting heldMeeting summaryConsensus agreement					
Commission research team (legal team)	Technical outputs: <ul style="list-style-type: none">Research proposal selectionResearch results review					
Research dissemination activities	Technical outputs: <ul style="list-style-type: none">Reporting to steering committee and governance mechanismAdvocacy to the relevant stakeholders Policy-oriented outputs: <ul style="list-style-type: none">Meeting heldMeeting summaryAdvocacy to relevant stakeholders					
Public announcement as part of RD	Policy-oriented output: <ul style="list-style-type: none">Participating in the public meeting by stakeholders (THF/HSRI/MOPH/MHESI/MDES)					
Knowledge exchange activities (tentative)	Policy-oriented output: <ul style="list-style-type: none">Webinars/meetings					

IV. Open data catalytic initiative

Key activities	Outputs/milestones	Duration				
		Year 1	Year 2	Year 3	Year 4	Year 5
Formation of a working group for this focus area	Policy-oriented output: <ul style="list-style-type: none">Working group established					
Situation analysis of the current state of the open data movement globally and nationally including the gaps in current movement (where this initiative can support)	Technical output: <ul style="list-style-type: none">Situation analysis					
First stakeholder consultation meeting on the proposed plan with information from the preliminary situational analysis	Policy-oriented outputs: <ul style="list-style-type: none">Meeting heldMeeting summary					
Qualitative interviews or a focus-group discussion on open data movements (and themes mentioned above) in Thailand	Policy-oriented output: <ul style="list-style-type: none">Interviews/focus groups conducted Technical output: <ul style="list-style-type: none">Draft of preliminary findings					
Second stakeholder consultation on preliminary findings	Policy-oriented outputs: <ul style="list-style-type: none">Meeting heldMeeting summary					
Knowledge dissemination activities	Technical outputs: <ul style="list-style-type: none">Manuscript/reportPolicy brief					

V. Virtual hospitals and telemedicine

Key activities	Outputs/milestones	Duration				
		Year 1	Year 2	Year 3	Year 4	Year 5
Formation of a working group for this focus area	Policy-oriented output: ○ Working group established					
Literature review • Virtual hospital and telemedicine Tele- consultation, health, and pharmacy	Technical outputs: ○ White paper					
First consultation on preliminary findings from the white paper	Policy-oriented outputs: ○ Meeting held ○ Meeting summary					
Data collection • Qualitative interviews or a focus-group discussion on patient experience of virtual hospital and telemedicine • Online survey on experiences and perspectives of virtual hospital and telemedicine for service providers	Technical outputs: ○ Survey launched ○ Interview/group discussion conducted ○ A draft of preliminary findings					
Second consultation on preliminary findings from patients' experiences	Policy-oriented outputs: ○ Meeting held ○ Meeting summary					
Write-up and other activities of knowledge dissemination	Policy-oriented outputs: ○ Report ○ Policy brief ○ Experience sharing workshop					