



Course outline for Online International Training

1. Course title

“Public Health Measures and Adaptation of Thailand for Emergence of COVID-19”

2. Duration

3 weeks (during 27 July –17 August 2020)

3. Background

The severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is the etiological agent of the coronavirus induced disease 19 (COVID-19) and has become a pandemic. Coronaviruses are a large family of viruses that are known to cause illness ranging from the common cold to more severe diseases. As the official disease name was established after material creation, any mention of Corona Virus refers to COVID-19, the infectious disease caused by the most recently discovered coronavirus. The COVID-19 pandemic can affect any population, and minorities are the underprivileged group who are prone to many infections.

Since the beginning of the COVID-19 pandemic, public health decision-makers have been called on to identify responses that are appropriate in intensity, duration, and scope. In March 2020, epidemiological models of potential epidemic curves rapidly became a primary tool used to inform such decisions. Early models focused on estimating fundamental quantities and projecting the speed at which generic interventions should be deployed to early spread.

Models were developed using available data in real-time, with a primary aim to enhance understanding of transmission and clinical severity. However, foundational insights of transmission dynamics are not public health implementation specific. Understanding the impact of a single intervention strategy compared with nothing on the SARS-CoV-2 reproductive rate, for example, is not the same as studying the impact of different strategies to mitigate transmission risks.

The ASEAN Institute for Health Development (AIHD) was established in 1982 as the ASEAN Training Centre for Primary Health Care Development. It was a joint effort of Mahidol University supported by TICA, the Ministry of Public Health and the Department of Technical and Economic Cooperation (DTEC, now TICA) of the Royal Thai Government, with strong support from the Japan International Cooperation Agency (JICA). AIHD is based on a forward looking and conceptually challenging perspective on human resource development which aims to support the global strategy of “Health for All” through the primary health care approach advocated by WHO, an approach which is valid not only for Thailand but also other ASEAN countries. AIHD has three key missions, namely education and training, technical services, and research and development, focusing on participatory community-based health and related program management, with a special emphasis on facilitating the paradigm shift from a “service-oriented” approach to a “development” approach in order to promote “Health for All” through human capacity building and community empowerment.

Besides, three batches of training program in emerging disease management on the one health approach were organized by AIHD and supported by Thailand International Cooperation Agency (TICA). These courses were three weeks intensive program of its kind in the world and in public health field with the development of managerial and leadership skills for medical and paramedical public health care professionals. An appropriate channel for public health service in the improvement of existing human resources, making use of appropriate technology, and encouraging community participation were introduced. For one health concept fulfillment, the cooperative and implementation approach between knowledge and application on the emerging disease management should be provided for intensive one health experience.

Training program on Public Health Measures and Adaptation of Thailand for Emergence of COVID-19 will be offered by ASEAN Institute for Health Development (AIHD), Mahidol University. The training consisted of two intensive online modules; **Module 1:** Fundamental of infection prevention and control for COVID-19, **Module 2:** Technical guidance and management, **Modules 3:** Adaptation to new normal after health crisis.

4. Course objective

The course is intended to build capacity of mid and senior level health care professionals of any countries to manage COVID-19 pandemic in their respective countries through demonstration of best and replicable practices and experiences of Thailand using a short interactive e-learning modular program and one week onsite visit.

5. Course outline

The online class will be opened during 27 July –17 August 2020 as Virtual Online Conference/discussion

Module 1: Fundamental of infection prevention and control for COVID-19			
Date (Thai time) GMT +7	Topic	Period (min)	Speaker
27 July 2020 10.00-11.00	1.1 Sciences for Corona-virus description, current situation	60	Assoc. Prof. Dr. Pornsawan Leungwutiwong, Department of Microbiology and Immunology, Faculty of Tropical Medicine, Mahidol University
29 July 2020 10.00-11.00	1.2 Symptoms/clinical outcomes/treatment	60	Dr. Thanarak Plipat, Department of Disease Control, MoPH
30 July 2020 10.00-11.00	1.3 Safety equipment and PPE	60	Asst. Prof. Dr. Kumthorn Malathum, Faculty of Medicine Ramathibodi Hospital, Mahidol University
31 July 2020 10.00-11.00	1.4 Critical preparedness, readiness and response actions	60	Dr Pongthorn Kietdamrong, National Institute of Emergency Medicine
1-3 August 2020	Module evaluation: post-test (70% score pass)		Web based

Module 2: Technical guidance and management			
Date (Thai time) GMT +7	Topic	Period (min)	Speaker
4 August 2020 10.00-11.00	2.1 Health service considerations during COVID-19 Outbreak	60	Dr.Narong Apikulwanich, Ministry permanent secretary, MoPH
5 August 2020 10.00-11.00	2.2 Risk communication and community engagement (RCCE) readiness and response to the 2019 novel coronavirus (2019-nCoV)	60	Dr Taweessin Visanuyothin, Ministry of Public Health and the Center for the COVID 19 Situation Administration
6 August 2020 10.00-11.00	2.3 The COVID-19 risk communication package for healthcare facilities	60	Dr Pahurat Kongmuang, Department of Disease Control, MoPH
7 August 2020 10.00-11.00	2.4 Health volunteer as the key strategies to prevent and control for COVID-19 in the communities	60	Dr. Panuwat Panket, Department of Health Service Support, MoPH
8-9 August 2020	Module evaluation: post-test (70% score pass)		Web based

Module 3: Adaptation to new normal after health crisis			
Date (Thai time) GMT +7	Topic	Period (min)	Speaker
10 August 2020 10.00-11.00	3.1 The statistical perspective of global changing by COVID-19	60	Dr. Sophon Iamsirithaworn, Director of the Department of General Communicable Disease, Department of Disease Control, MoPH
11 August 2020 10.00-11.00	3.2 Immediate socio-economic response to COVID-19	60	WHO Representative
13 August 2020 10.00-11.00	3.3 Safety guideline for new normal after COVID -19	60	Prof.Dr. Prasit Watanapa, Dean, Faculty of Medicine Siriraj
14 August 2020 10.00-11.00	3.4 Elderly protection	60	Dr.Sakarn Bunnag , Institute of Geriatric Medicine, Department of
15-17 August 2020	Module evaluation: post-test (70% score pass)		Web based

6. Number of participants

Module 1-3: 50-80 participants

After the complete three modules and evaluations, the participants will be assigned to work and submit. Upon 80% of the scoring and submission of the assignment, the participants will be able to receive the e-certificate. Those who hold the certificate will be eligible for one week study visit in Thailand (based on the situation).

7. Participants criteria

All applicants should apply through online registration

Module 1-3

1. Health care professionals of any countries who has been working to manage COVID-19 pandemic
2. Be able to attend entire course (Module 1-3)
3. Complete evaluation of module 1-3 with a minimum of 80%

8. Invited country

ASEAN, BIMSTEC, and Timor-Leste

9. Training host

ASEAN Institute for Health and Development, Mahidol University, Salaya, Phutthamonthon, Nakhonpathom, Thailand.

10. Training methods

Virtual Online Conference Platform

11. Expected outcomes

1. The participant could be able to apply their experience of COVID 19 management into their context
2. Good management practices, lessons learnt and achievement for COVID 19 in Thai context can be shared with participants from various countries
3. Participants are expected to bring the lessons learnt in Thailand to management the coronavirus COVID-19 pandemic

12. Evaluation plan

1. Participants will be evaluated their achievement by posttest each module
2. Participant will be requested to complete the assignment which determine their intention to apply the experience gain after complete the course
3. Participants will be conferred a certificate of completion if they could attend all modules, pass the evaluation and submit an assignment

13. Executing/Funding Agency

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