

Thailand situation update on 12 May 2020

1. International Situation

As of 12 May 2020, there were a total of 4,270,751 confirmed cases with 46,947 patients in critical condition and 287,540 COVID-19 deaths across more than 209 countries, two Special Administrative Regions of the People's Republic of China (Hong Kong and Macau), and on cruise ships. The ten countries with the most confirmed COVID-19 cases include: the United States (1,385,834), Spain (268,143), Russia (232,243), England (223,060), Italy (219,814), France (177,423), Germany (172,576), Brazil (169,594), Turkey (139,771), and Iran (109,286). The 11th is the People's Republic of China (84,012 cases, as well as 1,048 and 45 cases in the Special Administrative Regions of Hong Kong and Macau, respectively).

2. The Disease Situation in Thailand

2.1 Surveillance Protocol for COVID-19

The accumulated data from 3 January to 11 May 2020 showed that among 38,500 flights, there were a total of 4,426,697 passengers screened. Among those, 1,114 people met the case definition criteria of patients under investigation (PUI). Outside of the airports, 143,164 people from 2,234 ships were screened at seaports between 1 January and 11 May 2020, and two people met the PUI criteria. There were 1,899,732 people screened at ground ports between 1 February to 11 May 2020. Between 30 January to 8 May 2020, a total of 173,311 people who were renewing their passports were screened at the Government Complex Commemorating His Majesty at Chaengwattana Road. The total number of PUI from all ports is currently 1,116 people.

2.2 Situation of Patients with Suspected Symptoms of COVID-19 in Thailand.

On 12 May 2020 at 18:00, Thailand announced that 3,759 additional people met the criteria for PUI, raising the total to 107,617 PUI, as shown in Table 1.

Table 1: Results of screening implementation to detect patients with suspected symptoms of COVID-19

Situation	Total number of PUI
Total number of people who met the criteria of patients under investigation (PUI) divided by ports	107,617
• Detected from the airport screening	1,114
• Detected from seaports	2
• Sought medical services on their own at hospitals	106,413
• Notified by hotel residences, the Erawan Medical Center, local universities, tour groups and U-Tapao	88

Situation	Total number of PUI
Confirmed cases	3,017
• Recovered and discharged from hospitals	2,803
• Undergoing Treatment	158
• Deaths	56
Characteristics of Infection in Confirmed cases	3,017
• Local Transmission	2,475
• Imported Case	542
- Designated Quarantine Places*	90

Notice: *The quarantine measures for travelers from aboard have been in effect as of 3 April 2020

In Thailand, there have been 3,017 confirmed COVID-19 cases. Among the confirmed cases, 2,803 patients have recovered and returned home, and 56 patients have died.

A 14-day State Quarantine measure has been implemented by the government for travelers entering Thailand from abroad. On 12 May 2020, no additional cases were reported, and the total number of cases at designated quarantine areas remained at 90 cases. There are 62 cases among Thai people returning from Indonesia, nine cases from America, five cases from the United of Arab Emirates, four cases from Malaysia, two cases from England, two cases from Kazakhstan, two cases from Pakistan, one case from the Netherlands, one case from Japan, one case from India, and one case from Russia. All Thai people returning from abroad are required to comply with State Quarantine measures, meaning they have to quarantine in specific provinces; in total there are 5 cases quarantined in Narathiwat, 12 cases in Pattani, 8 cases in Yala, 18 cases in Songkhla, 19 cases in Satun, 3 cases in Krabi, 4 cases on Chonburi, 14 cases in Bangkok, and one case in Samut Prakan.

On 8 May 2020, 65 confirmed cases were found at the immigration quarantine unit at Sadao district in Songkhla province (37 cases were Burmese, 20 cases were stateless Rohingya, 3 cases were Vietnamese, 2 cases were Malaysian, 1 case was Yemeni, 1 case was Cambodian, and 1 case was Indian).

The median age of the confirmed cases is 37 years old (ranging from 1 month to 99 years old). 1,638 cases are male, and 1,379 cases are female (ratio of male to female: 1.19:1).

In terms of nationality, 2,683 cases are Thai, 56 are Burmese, 34 are Chinese, 29 are French, 24 are British, 20 cases are Stateless Rohingya, 12 are Russian, 12 are American, 11 are Japanese, nine are Indian, eight are Canadian, eight are Italian, eight are German, six are Swedish, six are Belgian, six are Swiss, five are Danish, five are Filipino, five are Singaporean, four are Pakistani, four are Australian, four are Malaysian, four are Vietnamese, three are South Korean, three are Indonesian, three are Cambodian, two are Kazakh, two are Brazilian, two are Laos, two are New Zealander (one case is Maori), two are Spanish, two are Israeli, two are Albanian, one is American-Samua, one is Malian, one is Kuwaiti, one is Serbian, one is Tunisian, one is Taiwanese, one is Dutch, one is Palestinian, one is

Portuguese, one is Finnish, one is Mexican, one is Ukrainian, one is Yemeni, one is Liberian, one is Thai-Indian, one is Iranian, one is Uzbek, one is Hungarian, and data is not available for the remaining 14 cases.

Underlying diseases were found in some of these cases, including hypertension (27 cases), hypotension (1 case), allergies (20 cases), diabetes (10 cases), other NCDs (13 cases), asthma (8 cases), dyslipidemia (3 cases), thyroid disease (3 cases), psoriasis (2 case), salivary gland cancer (1 case), paranasal sinus disease (1 case), COPD (1 case), multiple underlying diseases (28 cases), stroke (1 case), epilepsy (2 case), thrombocytopenia (1 case), myasthenia gravis (1 case), valvular heart disease (1 case), HIV (2 case), depression (2 cases), anemia (1 case), migraine (1 case), liver cirrhosis (1 case), breast cancer (1 case), Hepatitis B virus (1 case), and rheumatoid arthritis (1 case). There were 2,862 cases reported without any underlying disease. 40 cases were detected from the screening protocol at airports (one case was found within the group of Thai workers returning from Wuhan). 1,752 cases sought medical treatment by themselves, 1,021 cases were tracked via case investigation and defined as “close contacts”. A total of 36 confirmed cases were found from the active case finding measures.

3. Thailand Precautions

The Government Pharmaceutical Organization (GPO) has been researching and developing Favipiravir for COVID-19 treatment since mid-March 2020. The GPO is implementing a management plan that will provide sufficient and sustainable treatment to those in Thailand both immediately and long-term. Raw materials are being procured for domestic development and production of Favipiravir tablets. The GPO already purchased a sample of raw material used for producing drugs and is in the process of ordering more materials to develop COVID-19 treatment and to expand the number of drug production in the future. However, there is a need to analyze the efficiency and the bioequivalence of the drug, and to study the level of drug present in the blood through further trials. It is estimated that these processes will be completed within 1 year, before entering the process of drug registration. The Government Pharmaceutical Organization (GPO) has been collaborating with the National Science and Technology Development Agency (NSTDA) to operate in the raw material synthesis process. They have supported research funds to the NSTDA in the amount of 4.28 million Baht for raw material synthesis process *in vitro*, which is expected to be completed within 3-6 months. After that, the GPO will expand the magnitude of synthesis to the semi-industrial level. It is expected that materials will be produced at the semi-industrial level by June 2021.

4. Risk Communication to the Public

- The measures including disease screening, isolation, quarantine or quarantine for observation to control and prevent the disease are implemented among passengers departing from areas or countries affected by COVID-19.
- In cases where it is necessary to make contact with other people, please wear a mask and maintain a distance of at least 1 meter between yourself and the other person

The Coronavirus Disease 2019 Situation

by Emergency Operations Center, Department of Disease Control

when interacting with others. It is also recommended to only make contact with people for a short period.

- Regularly wash hands with water and soap or use alcohol gel. Avoid touching your eyes, nose, and mouth with your hands.
- Do not use or share personal stuff with others (i.e. handkerchiefs, glasses, and towels) since pathogens causing respiratory disease can be transmitted to other people through secretions.
- Avoid eating raw food.