

Thailand situation update on 1 June 2021

1. International Situation

	Total Number	Daily Increase	Case Fatality Rate (CFR)
Confirmed cases	171,491,204	434,981	
Deaths	3,565,891		2.08%

2. The Disease Situation in Thailand

Situation	Total Number*
Total number of new cases	2,230
• Cases found in quarantine facilities/centers (Imported)	21
• Cases found in Prison	77
• Cases infected in Thailand (Local transmission)	1,326
• Cases found from active case finding	806
Total number of confirmed cases	162,022
• Total recovered and discharged from hospitals	111,735 (68.96%)
- Newly recovered and discharged from hospitals	3,390
• Undergoing treatment	49,218 (31.04%)
• Deaths	1,069 (0.66%)
- New deaths	38

The Coronavirus Disease 2019 Situation

by Emergency Operations Center, Department of Disease Control

Type of Screened People and PUI	Total Number
Total number	
<ul style="list-style-type: none"> Ports of entry (Airports, ground ports, and seaports) 	8,538,999
<ul style="list-style-type: none"> People renewing their passports at the Immigration Bureau, Chaeng Watthana 	571,469
Total number of laboratory tests	2,422,925
<ul style="list-style-type: none"> People who met the PUI criteria 	1,995,024
<ul style="list-style-type: none"> Returnees in quarantine facilities/centers 	82,167
<ul style="list-style-type: none"> People who did not meet the PUI criteria 	345,734
Total number of people who met the criteria of PUI	1,995,024
<ul style="list-style-type: none"> Detected from ports of entry 	5,642
<ul style="list-style-type: none"> Sought medical services on their own at hospitals (348,548 cases in private hospitals, and 1,293,158 cases in public hospitals) 	1,989,294
<ul style="list-style-type: none"> Notified by hotel residences, the Erawan Medical Center, local universities, tour groups, and U-Tapao 	88

Remark: *PUI (Patients Under Investigation)

Characteristics of Deaths (1,069 deaths)	Wave: 1 Jan - 14 Dec 2020 (60 deaths)	Wave: 15 Dec 2020 - 31 Mar 2021 (34 deaths)	Wave: 1 April 2021 - now (975 deaths)
Case Fatality Rate (CFR) in each age group			
<ul style="list-style-type: none"> 20-39 years old 	0.20%	0.02%	0.10%
<ul style="list-style-type: none"> 40-59 years old 	2.10%	0.02%	0.83%
<ul style="list-style-type: none"> 60+ years old 	6.50%	2.60%	6.41%
Percentage of COVID-19 deaths of patients with underlying diseases including obesity, elderly patients, and pregnant patients			
	64%	100%	90%
Average number of days between the onset of symptoms and the date of receiving treatment (Minimum-Maximum)			
	3.5 (0-19)	1.2 (0-8)	1.5 (0-19)

3. Thailand Implementations

- The Permanent Secretary, Ministry of Public Health, participates in the planning for the COVID-19 outbreak control in a chicken processing plant in Saraburi province by applying the “Bubble and Seal” measures based on the area context. Surveillance has been implemented in the surrounding areas and among employees who stay outside the plant. Employees are advised to prevent disease spreading in their families. Control measures has been carried out to rapidly contain the outbreak. Preventive measures has been strengthened so that the business could further run.
- The Department of Disease Control reveals the guideline for issuing a certificate of COVID-19 vaccination for people who have been fully vaccinated for international travel (COVID-19 Yellow Book). The Yellow Book can be obtained from the 4 agencies of the Department of Disease Control. The documents required for the certificate application include 1) Passport with expiry date of more than 6 months (original and copy), 2) Identification Card (original and copy), 3) Certificate of complete COVID-19 vaccination in Thailand (original and copy), and 4) Cost of issuing the certification (50 THB per book).
- King Mongkut's Institute of Technology Ladkrabang together with Chulalongkorn Hospital have developed an artificial intelligence technology “CiRA CORE” that can support medical teams’ operations. The AI is able to identify up to 8 coronavirus strains by searching for the location of the Variant of Concern (VOCs) with an accuracy of 99.% within 30 seconds.

4. Risk Assessment of COVID-19 Situation

During the past week (24 - 30 May 2021), there were 24,807 new infected cases of which 202 cases (0.81%) were travelers from abroad and 24,604 cases (99.19%) were local transmission. The local infected cases were mostly Thais (75.48%), Myanmar (17.45%), Cambodia (4.11%) and other nationalities (2.96%). Male to female ratio was 1.8 to 1. The average age was 35.5 years (15 days to 97 years old). Most of the infected cases of this week were from screening in prisons (35.29%), close contacts of confirmed cases (23%), visited high-risk places or communities (16.04%), and infection at workplaces such as factories (15.94%). Last week, there had been an increasing trend of cases found in workplaces. Risk factors included eating together and joining activities without mask wearing. The top 5 provinces with the highest number of cases were Bangkok, Nonthaburi, Phetchaburi, Samut Prakan and Pathum Thani in which most cases were found in prisons. When considering the outbreaks outside prisons, the top 5 provinces were Phetchaburi, Bangkok, Nonthaburi, Samut Prakan, Pathum Thani and Chonburi in which most cases were from workplaces (42.48%), close contacts of confirmed cases (24.45%) and community infection (21.33%). The current COVID-19 outbreaks mostly occur in closed and crowded spaces including construction camps, markets, and shopping malls. Therefore, beside the D-M-H-T-T measures, the bubble and seal measure should be implemented to reduce disease spreading into the communities. Active screening among workers for case finding and rapid case isolation and treatment should be done. Operational plan for COVID-19



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vaccination in people at risk of severe illness and other risk groups in the outbreak areas to build community immunity is crucial.