



Viet Nam COVID-19 Situation Report #46

Report as of 13 June 2021, 18:00

Situation Summary

Highlights of Current Situation Report

- The **current outbreaks** continued to be brought under control in various provinces including Bac Giang and Bac Ninh. However **new clusters have emerged in Ho Chi Minh City (HCMC), Tien Giang and Ha Tinh including those with unknown source of transmission.**
- A total of **1,791 new cases** were reported during this week (increased 9.2% compared to previous week) including **six deaths**. These included 1,711 locally acquired cases and 80 imported cases. Of the 80 imported cases, there were three foreigners and 77 repatriated citizens.
- In the current outbreaks, as of **13 June 2021**, there have been **7,332 locally acquired COVID-19 cases including 92 health care workers (HCW)** reported from **39 cities and provinces** across the country. **Twenty-four (24) deaths (PFC 0.33%)** have been reported.
- **Five cities/provinces reported highest number of cases** include **Bac Giang (4,045); Bac Ninh (1,342); HCMC (789); Ha Noi (459;** including cases from NHTD#2 (95) and K hospital (72)); and **Da Nang (158).** *See Figures 3 and 4.*
- **Twenty-one (21) provinces have passed at least 14 days** since the last local cases reported: Yen Bai; Dong Nai; Quang Ngai; Nghe An; Quang Ninh; Quang Nam; Quang Tri; Thua Thien – Hue; Nam Dinh; Hoa Binh; Tuyen Quang; Son La; Ninh Binh; Thanh Hoa; Thai Nguyen; Hung Yen; Hai Phong; Tay Ninh; Gia Lai; Bac Lieu and Dien Bien.
- The cases in the current community outbreaks originated from **six clusters** including two national hospitals (National Hospital of Tropical Diseases, facility No. 2 – NHTD#2; and Oncology hospital facility in Tan Trieu – K hospital) and can be grouped into **four main initial sources of infection** including i) Ha Nam; ii) Yen Bai – Vinh Phuc; iii) Da Nang, and iv) Hospitals. *(See previous Sitreps for details)*

While majority of newly reported cases were either among F1 contacts or already inside the lockdown areas, there are **still cases and clusters reported with unknown source of infection** in various locations including in Ha Noi, Bac Ninh, Bac Giang and HCMC. For this week, it was of concern in HCMC. Investigations are ongoing.

Some highlights on epi situation and response measures taken from ongoing major clusters:

- 1) Bac Giang:** as of 13 Jun, **4,045 cases** have been reported. During last week, on average around 136 cases were reported per day (decreased 3% compared to previous week daily average) and mostly among the Industrial Park (IP) workers who are in lockdown areas or have been in quarantine.
 - Cases have been reported from all 10 city and districts in the province, 6 hubs of industrial parks (IP) (mostly concentrated in two IPs of Van Trung and Quang Chau in Viet Yen District. Community cases are mainly from three communes of Quang Chau, Van Trung and Nanh town where big numbers of IP workers reside. *See Figure 5 for Epi curve and Geographical distribution of cases in Bac Giang, to date.*
 - At least 25,976 F1 contacts identified and 24,356 samples tested. Mass testing continued to be conducted in non-outbreak/ non-social distancing areas.
 - New cases reported during the week included also cases previously detected but have not given official numbers for national notification and those with well-established epi links.
 - Six other provinces have reported cases which are related to Bac Giang included Lang Son, Tuyen Quang, Bac Ninh, Son La, Thanh Hoa and Thai Nguyen.
 - Given the stabilizing situation in the province, the special unit for outbreak control (headed by VM Nguyen Truong Son) has been dissolved and supported workforces (both from national level and other provinces) have gradually decreased during the week.
- 2) Bac Ninh:** as of 13 Jun, **1,342 cases** have been reported from **all the 8 districts/towns** in the province; around 7,280 F1 contacts have been identified and tested.
 - Four main clusters include: 1) Bac Ninh city: 505 cases reported from 14 wards; mostly related to AAC company; 2) Thuan Thanh cluster: recorded the highest number of cases in the province (575 cases) but outbreak spots have been under control; 3) Que Vo cluster: recorded 119 cases in 12/23 communes and

- towns; source of transmission was identified mainly from Que Vo IP since 17 May; and 4) Others: 79 cases were scattered from other districts; mostly related to Mao Dien and Thuan Thanh communes; last cases reported on 3 Jun; situation seems stabilizing; lockdowns have gradually been lifted in various locations.
- While the situation seemed brought under control in most areas in the province last week, in the past five days, number of cases tend to increase again, mainly in Bac Ninh city and related to AAC Technologies Viet Nam company, inside Que Vo 1 IP. Investigation and response are ongoing.
- 3) HCMC: A newly merged cluster was reported from the city Hospital of Tropical Diseases (HTD) while sporadic cases continued being reported from the Phuc Hung religious mission cluster and other ongoing clusters during the week.**
- As of 13 Jun, **789 cases** have been reported from **23/24 districts**. During the week, between 55-65 new cases were reported per day. Of notes, during the week, approximately 300 cases with unknown or unclear epi links have been reported from 23 hospitals and two district health centres in the city. Of those, there were 59 F0 cases that were detected from HTD (53 cases); Hoan My Sai Gon hospital (2 cases) and residential areas (4 cases); 34 cases among F1 contacts from previously reported cases and the remaining case area among F2 contacts and beyond.
 - **The most concerning ongoing cluster is HTD cluster:**
 - o The index case who is a staff of the hospital's IT unit who was tested positive on 11 Jun when presenting with COVID-19 like symptoms.
 - o Through testing of close contacts and periodic screening tests conducted by hospital, 57 additional cases have been detected from 13 departments/ wards in the hospital. 57 out of 58 cases have been fully vaccinated with two doses of AZ vaccine (except on who is three-month pregnant). Laboratory testing also revealed low viral load among the cases.
 - o All 887 hospital staff and 88 inpatients have been tested negative first time.
 - o So far, 108 F1 and 2,199 F2 contacts of the cases have been traced and sampled by HCDC so far. Investigation is ongoing.
 - A Special Unit for outbreak commander and control has been established as per the MOH Decision No. 2910/QĐ-BYT headed by VM Nguyen Truong Son; three vice heads include Director of Cho Ray hospital, Director of PI HCM and Director of IPH in HCMC. There are 5 sub-units to support the city response which include i) Surveillance and case investigation; ii) Laboratory testing; iii) Medical environment management (quarantine operations, IPC in different settings); iv) Case management; and v) Communication.
 - Other ongoing clusters also started with cases from communities who presented to local hospitals/ HCFs for medical check-up and testing. These include: i) Kim Minh company, Ward 13, Dist.5 (15 cases detected between 12-13 Jun); ii) Mechanic factory and De Nhat hotel in Hoc Mon Dist. (43 cases detected between 8-13 Jun); iii) Ecohome 3 residential building in Tan Binh Dist.: cases were detected in various local hospitals including some cases working for Pouchen company (a biggest footwear maker company in HCMC with 65,000 staff, prompting the company to suspend about 1,100 employees since 9 Jun). 58 cases have been reported in this cluster between 5-13 Jun.
 - Other clusters have been practically brought under control, including Ha Nam related cluster (1 case); Grove company related (5 cases); O Thanh restaurant (7 cases); Phuc Hung religious mission (470 cases).
 - VOC B.1.617.2 is detected in previous clusters.
 - Social distancing as per PM's Directive No.15 has been extended for 14 days.
- 4) Ha Tinh** – a total of 50 cases have been reported between 4-13 Jun. However all the cases have clear established epi links. Three generations of transmission have been observed. Investigation and contact tracing are ongoing. The city has applied whole social distancing as per the PM's directive No. 16 since 11 Jun.
- 5) Tien Giang** – a total of 30 cases have been reported in the province between 5-13 Jun. Apart from cases linked with HCMC and a cluster at Trung Luong – My Thuan highway construction group, several cases have been detected in the past few days with unknown source of transmission. Investigation is ongoing.
- 6) Ha Noi** – as of 13 Jun, **292 cases** have been reported (20 new cases reported last week, decreased 60% compared to previous week) in **22 out of 30 districts and in 11 clusters**.
- **The T&T – Times City cluster remains without unknown epi links**
 - Approx. 4,000 F1 identified and tested; Almost 150K tests conducted

- **5 Clusters being brought under control** but still under close observation: K hospital (14 cases; last case reported on 31 May; lockdown lifted on 14 Jun); T&T group (unclear epi links, 63 cases reported since 22 May, so far only cases found among F1 contacts); NHTD#2 (20 cases in Phuc Tho (8); Dong Anh (7); Soc Son (2); Dan Phuong (2); Me Linh (1); Da Nang related (52 cases reported; last case was on 1 Jun); and Hung Yen related (8 cases reported; last case was on 16 May) clusters.
- **6 Newly reported clusters:** Centralized quarantine facility in Son Tay Dist (56 cases reported since 23 May); HCMC related (1 case from 30 May on flight from HCMC-HAN, so far no additional cases detected among contacts); Bac Ninh related cluster (26 cases as of 1 Jun related to Mao Dien/ Thuan Thanh Dist. including 2 cases linked with Canon company in Que Vo IP); Bac Giang related cluster (3 cases reported starting from a case who returned from Viet Yen Dist. on 30 May); Hai Duong (1 case detected through community screening at Duc Giang hospital on 30 May; all 19 F1 contacts tested negative so far); and Dong Anh cluster (starting from a vegetable market vendor who was detected on 7 Jun with unknown epi links, a total of 16 cases have been reported as of 9 Jun; 161 F1 and 283 F23 contacts identified).
- **As Ha Noi is having multiple clusters with different sources of infection including those with unknown epi links, even though the situation is stabilizing, it's still under a close monitoring. NPIs remain unchanged since 5 May.**

See Figure 6 for Epi curves of Bac Ninh, HCMC and Ha Noi in the current outbreak, to date.

Dien Bien and Da Nang situation continues being stable, with no new cases reported in both provinces during the week.

Provinces require close monitoring:

- Lang Son: 19 cases reported last week (cum. Number: 99 cases) with connection with Bac Giang and Bac Ninh
- Other provinces with cases linked with Phuc Hung religious mission cluster from HCMC including Bac Lieu, Tay Ninh, Long An, Dong Thap, Tra Vinh, Binh Duong, Gia Lai.

(See previous Sitreps for updates before 6 Jun 2021).

- **During the week (from 7 – 13 Jun), Viet Nam reported 1,791 new cases including 1,711 locally acquired cases and 80 imported cases.**
 - ✓ The **1,791 locally acquired cases** were reported from 18 cities/ provinces (See Figures 3 and 4).
 - ✓ The **80 imported cases** included 3 foreign nationals and 77 Vietnamese repatriated citizens.
- **As of 13 June**, Viet Nam has reported a total cumulative number of **10,538 laboratory confirmed cases** from 54/63 provinces including **59 deaths (PFC 0.56%)** from January 2020 (see Figure 2); of those around **38.6% have recovered**. Three are currently **6,223** patients being hospitalized, monitored and treated in 106 hospitals. Majority of the cases are either asymptomatic (**39.3%**) or with mild symptoms (**57.1%**). (<http://cdc.kcb.vn/covid>).
 - ✓ Of the 10,538 cases, 1,635 cases (15.5%) are imported. About 98% are Vietnamese (see Figure 1).
 - ✓ The ages of cases range from 2 months to 100 years old. About 51.5% of all cases are in the 30-69 years old group, 1.9% above 70 years old, and the remaining 46.6% under 30 years old. The proportion of male vs female is around 42% vs 58%. (See Table 1).
 - ✓ From 27 Apr to 13 June: **more than 78,506 F1 contacts** have been identified and have been quarantined and tested in 39 affected cities/ provinces.
- The installation and use of **Bluezone** application is being accelerated: Ministry of Information and Communication sent technical teams to Bac Giang and Bac Ninh to support its installation on smartphones of population and to provide App instruction.
- Rolling out QR code registration posts
- **CovidMaps**, a digitalized interactive epi mapping with real-time data and information, is being developed in more localities to support local authorities in their decision-making process for outbreak response. So far, more than 10 provinces have developed CovidMaps.
- 5 Jun 2021 – The Government officially inaugurated the **COVID-19 vaccine FUND**.
- An IHR notification was submitted by Viet Nam on 29 May, outlining that in the North of Viet Nam the virus out of the 32 patient samples have been identified as the Delta variant. Out of these, a Y144 deletion mutation in the Spike protein was found in 4 samples. Sequences of these 4 virus were shared on GISAID on 01 June.

Vaccine supply and deployment:

- **As of 13 Jun, a total of 1,429,942 doses of vaccines have been administered cumulatively.**
- Vaccination implementation: Viet Nam launched COVID-19 vaccination campaign Phase 1 on 8 Mar 2021 focusing on the first priority groups: healthcare workers at healthcare facilities, front-line workers working on outbreak prevention and response in 19 provinces. Phase 1 vaccination has completed on 12 May, 100,686 people have received the first shot.
- **Phase 2 vaccine allocation planned** for 811,200 AZ COVID-19 vaccine doses through COVAX. Phase 2 vaccination has completed on 30 May, **63 cities/provinces** have vaccinated to **941,262 people including first and second doses.**
- Mild reaction after vaccination: 17.2% (23% of phase 1, 16% of phase 2). Serious adverse events: 0.02% (0.05% of phase 1, 0.01% of phase 2 includes 1 fatal).
- Phase 3, 2nd COVAX shipment, with total of additional 1,682,400 doses. As of 13 Jun, **456,375 doses have been vaccinated.** There are 18,802 mild AEFIs, 20 serious AEFIs and 2 fatal case reported.
- 2nd bilateral shipment arrived Vietnam on **26 May 2021**, with 288,000 doses of Oxford/AstraZeneca COVID-19 vaccines. Government has allocated the vaccines for 22 priority provinces.
- **26 May 2021** Government approved the creation of a special fund to drive an effective vaccination programme against COVID-19 as per **Resolution 53/ND-CP and Decision 779/ND-CP.** The fund will be used for arranging financial resources and materials for the procurement, production and the use of vaccines.
- **9 Jun 2021** COVID-19 vaccination stakeholders meeting was held on with GDPM presence to update global/regional/country update and map out the support ongoing, planned and gaps.

For update before 24 May 2021 – See previous Sitreps

Government direction and key public health response measures:

(refer to previous Sitreps for updates before 31 May)

Right after receiving a **notification of cases in Ha Nam and Vinh Phuc**, the MOH, NSC and local health authorities have been taking **vigorous actions. Necessary public health measures have been deployed and adjusted regularly as the situation evolves.**

- **13 June**, the Office of the Government issued the PM's conclusions at a meeting with scientists, companies and institutes on COVID-19 research and vaccine production, and related ministries which included the following: (i) Implementing synchronously COVID-19 vaccine procurement, production and vaccination; (ii) vaccine production though is difficult and challenging but must move forward; (iii) mobilizing resources for vaccine research and production of vaccines; and (iv) establishing a national centre for vaccine research and production which meets national and international standards.
- **5 June**, the PM sent a urgent telegram to all ministries and PPCs requesting continued strictly implementation of all directions on the dual objectives of the communist party, the direction of the PM, NSC, and other regulations on COVID-19 prevention and control; all PPCs Chairmen to discuss with their respective provinces/cities on management of transportation activities including those for workers, goods and materials to ensure IPC but avoiding trade restriction; the relevant ministries to promptly support province/cities to solve any difficulties to ensure achieving overall socio-economic development targets in 2021.

❖ Community lockdown and social distancing:

- **12 June**, Tien Giang province started implementing PM's Directive No. 15 until further notice
- **11 June**, Bac Ninh province shifted socio and public health measures in some districts
 - Yen Phong district and some communes in Thuan Thanh district from implementing Directive No. 16 into implementing Directive No.15
 - Luong Tai and Tien Du districts from implementing Directive No. 56 into implementing Directive No.19.
- **10 June**, Lang Giang district, Bac Giang province implementing PM's Directive 15. Prior to 10 June, the district had implemented PM's Directive 16.
- **9 June**, Da Nang City reopened restaurants and outdoor sport activities.
- **8 June**, Social distancing (implement PM's Directive number 16) in Ha Tinh City, Ha Tinh province. Quang Ninh reopened restaurant, tourist, spots, religious facilities.



- **7 June:** Yen The and Luc Nam districts, Bac Giang province implemented PM's Directive 15. Prior to 7 June, these districts had implemented PM's Directive 16.
- **As of 13 June,** 8 hospitals and 8 clinics are currently under lockdown or temporary closed part of the hospital including Ha Noi (3) and HCMC (5 hospitals and 8 clinics). **See Annex 2** for more details on hospital lockdown.

❖ **School closure:**

- As of 13 June- HCMC, Bac Giang and Bac Ninh provinces postponed 10th grade entrance exam until further notice.
- From 25 May, all school students are on summer holidays, except students in grades 9 and 12 who are following online classes.

For update before 6 June – see previous Sitreps

❖ **Travel restriction**

- All provinces/cities apply travel restriction measures including health declaration, centralized/home quarantine for 14-21 days and/or sample collection for testing of all people arriving from villages/communes with COVID-19 reported cases, and communes/districts/cities under social distancing. Detailed requirements and updates are available on local government official websites (i.e. DoH, PCDC)
- The current 21-day centralized quarantine policy for incoming travellers was **solely decided** by the Government.
- 5 June: Temporary suspension of all flights from/to Con Dao, Ba Ria-Vung Tau province.
- 5 June: Temporary suspension of flights to/from Tan Son Nhat airport (HCMC) – Van Don airport (Quang Ninh province), Tan Son Nhat airport –Pleiku (Gia Lai province),
- 3 June: Suspension of flights from/to Tan Son Nhat airport, HCMC - Cat Bi airport, Hai Phong city.

See Annex 1 for a more detailed update on NPIs

❖ **Other updates on laboratory testing:**

- A broad testing strategy continues to be followed, with laboratory testing of all F1, F2 cases, members of outbreak communities/localities as well as ad hoc testing in high-risk location in certain provinces.
- The number of RT-PCR conducted in the last week was 1,247,153 with 2,065 positive samples, giving a positivity rate of 0.16%. Currently there remain 175 laboratories permitted to test for COVID-19 by RT-PCR, with 144 designated as confirmatory laboratories.
- Following Decision No. 2022 / QĐ-BYT Antigen RDTs may be used in outbreak settings to test suspect cases and their close contacts when RT-PCR is not available, the laboratories are overwhelmed and/or the turn-around-time of RT-PCR is too slow to support a rapid response, but all positives need to be confirmed with RT-PCR. Official Dispatch 3848/BYT-DP issued on the 10 May permits health case establishments and other units to conduct periodic testing of individuals at higher risk of COVID-19 infection by antigen RDT every 5-7 days or according to needs. At risk individuals include health care workers, inpatients, border and quarantine staff, essential workers, workers in the service industry and workers in industrial zone. All positives results must still be confirmed with RT-PCR. Antigen RDTs have been deployed to Bac Ninh and Bac Giang to relieve pressure on the testing laboratories.
- Sequencing of the virus related to the Vinh Phuc cluster, the Indian experts, hotel staff member as well as the Vinh Phuc province Sunny karaoke staff and a related case in Hai Duong determined the virus in all cases as the Delta variant (PANGO lineage B.1.617.2), indicating the hotel as a likely common source. The Delta variant carries one of the mutations of concern associated with this lineage; the L452R mutation, which may be associated with higher transmissibility. The Delta variant detected in this cluster does not carry the E484Q mutation of concern, which is considered an immune escape mutation.
- Sequencing of the virus related to the Ha Nam, Hung Yen and Hai Duong cluster revealed the Alpha variant (B.1.1.7 variant), which is currently widely circulating globally. In addition, sequencing of one case in Hai Phong was also revealed to be the Alpha variant.
- Sequencing of the virus related to NHTD revealed two lineages associated with this hospital the Alpha variant and the Delta variant. Clusters related to NHTD in Hung Yen, Ha Noi, Nam Dinh, Thai Binh, Bac Ninh, Bac Giang and Lang Son were also revealed through sequencing to be the Delta variant.

- Sequencing of virus from 32 specimens of patient related to the Da Nang cluster also revealed 30 to be the Alpha variant and two as the Delta variant, indicating at least two sources of infection.
- Sequencing of two cases of community transmission in HCMC Thu Duc cluster was Delta variant whilst a case in District 3 was determined to be the Alpha variant. Virus associated with both the Go Vap and Hoan My Sai Gon hospital clusters identified as the Delta variant.
- Sequencing of samples from cases in Dien Bien, Ha Noi and Hai Phong also revealed to be the Delta variant.
- On 29 May NIHE reported that a Y144 deletion mutation in the Spike protein was found in 4 samples; 3 of the samples from Ha Noi and 1 from Hai Phong, following whole genome sequencing. This Y144 deletion mutation is similar to the Y144 deletion characteristic of the mutation of the Alpha variant, although the mutation has been reported in other the Delta variant it remains rare. An IHR notification was submitted by Viet Nam with this information on 29 May and the genome sequence of the 4 Delta variants with the Y144 deletion was submitted to GISAID on 01 June. As of 14 June virus from a total of 72 patient samples in Viet Nam have been identified as belonging to lineage the Delta variant through whole genome sequencing and reported on GISAID. There have been no additional detection of virus with the Y144 deletion, this mutation was not detected in the other 68 genome shared on GISAID. The WHO Virus Evolution Working Group is aware of this report and is investigating the current situation. WHO and MOH have been continuing work to clarify these facts following a large degree of media attention surrounding the Delta variant with the new mutation.
- Meetings were held by MOH on 13 and 14 May with regional institutes and all 63 CDC. Emphasis was placed on ensuring the quality of laboratory testing.
- Meeting was held between GDPM, RI's, WHO and US-CDC on 27 of May to discuss currently laboratory issues including biosafety challenges, and to plan how to best use specimen pooling and RDTs to respond to the current outbreaks, whilst ensuring safety of staff.
- Following images on social media of exhausted laboratory workers and sub-optimal use of PPE, GDPM has revised guidance related to PPE for specimen collectors and laboratory workers, removing the requirements for full body suit and guiding that a long-sleeved solid-front/wrap-around or back-fastening gown should be used instead. Revised guidance also specifically advises against the need for double masks and double gloves.
- MOH is exploring possibility of permitting saliva for COVID-19 testing with validation studies being planned.

❖ Case management:

- As of **13 June, 4,072 of 10,538 cases (38.6%)** have recovered; **59 deaths, 6,223** patients are being isolated, monitored and treated in 106 hospitals. Majority of the cases are either asymptomatic (**39.3%**) or with mild symptoms (**57.1%**).
- As of 13 June, there are **9 critical cases with ECMO** (4 in NHTD, 1 in Bac Giang Lung hospital, 2 in HCM HTD, 1 in Da Nang lung hospital, 1 in Cho Ray hospital), **30 critical cases with mechanical ventilation, 45 severe cases with HFNC**, 136 severe cases with nasal prong oxygen. Six additional fatal cases: (case 54th-59th); (# 3422, # 4632, #4115, #3595, #4118, #5355) between 31 May and 6 June. For more details, pls visit: <https://cdc.kcb.vn/covid>

Hospital clusters:

- **Ho Chi Minh HTD:** 55 cases of HCW in 13 departments. The index case is a technical staff who has symptoms and was tested positive in June 11 then the other case (asymptomatic case) was detected through screening of 887 hospital staff.
- **NHTD#2:** Total of 94 cases, including 10 HCWs (3 in ICU, 1 doctor is studying medicine, 2 in OPD, 3 in General infectious diseases department, 1 from unidentified department); 50 in-patients, and 34 caregivers. In-patients and caregivers mainly in the General infectious diseases; and ICU, ER, Hepatitis Dept, Dept. of Viro-parasitology, and OPD. NHTD is transferring 200 COVID-19 patients who already testing negative with COVID-19 to Bach Mai premise 2 in Ha Nam to continue treatment for other health issues. NHTD also is transferring non covid-19 disease patients to other hospitals for continuing treatment to spare beds at NHTD for receiving COVID-19 severe patients.
- **K (Oncology) No.3 hospital Cluster:** total of 49, including 41 in-patients and caregivers of the patients of the Hepatobiliary and Surgery Dept, internal department, and 8 HCWs. COVID-19 patients of K-hospital are transferred to Thanh Nhan hospital and Hanoi Oncology Hospital, and for continuing treatment. The hospital is applying tele-

medicine for maintaining out-patient treatment for cancer patients. Hospital plans to transfer K-patients who have negative with COVID-19 and fulfil criteria for discharge to provinces for continuing treatment.

– **Health care workers infected: 92 HCWs**

No	Health care facility (HCF)	City/Province	Doctor	Nurse	Lab staff	Cleaner	Admin/ancillary staff	total
1	NHTD #2	Ha Noi	2	8				10
2	HTD HCMC	HCMC					55	55
3	K hospital	Ha Noi	1	3		4		8
4	Phuc Yen hospital	Ha Noi	1					1
5	Dien Bien Phu field hospital	Dien Bien		1			3	4
6	Bac Thang Long hospital	Ha Noi	1					1
7	Thanh Nhan hospital	Ha Noi	1			1		2
8	National Lung hospital	Ha Noi	2				1	3
9	Thai Binh general hospital	Thai Binh					4	4
10	A Primary School	Da Nang		1				1
11	Gia Dinh hospital	HCMC			2			2
12	Duc Giang hospital	Ha Noi					1	1
	TOTAL		8	13	2	5	64	92

– **Capacity on Health care facilities:**

- ✓ Total field hospitals established in 34 provinces with on-going outbreak: estimated 50 hospitals
- ✓ all hospitals at all levels (province and district) have been ready to receive and treat for COVID-19
- ✓ Total beds for COVID-19: estimated plan for 30,000 beds
- ✓ Total beds of ICU for COVID-19, estimate at 1,600 beds
- ✓ Bac Ninh establish new ICU centre with 100 beds
- ✓ Bac Giang establish new ICU centre with 101 beds
- ✓ About 1,400 HCWs mobilized to support Bac Ninh and Bac Giang

❖ **Risk communication**

- Government continues to provide timely and transparent communication, advice and guidance to the public, in multiple channels, on various public health measures and actions by the Government. These are disseminated in local media as well as in social media platform, such as the MOH Facebook page: [VNM MOH Sức khỏe Việt Nam](#).
- WHO provided an update on communication during the Stakeholders' Meeting on COVID-19 Vaccination on 9 June 2021. The result of the Behavioral Insights Survey (focusing on Viet Nam) commissioned by WHO and conducted by Ipsos was shared with MOH-DOC and other partners.
- Media agencies are given timely and regular updates on outbreak situation and Government action for content in media reports to the public.
- Current topics of interest for the media are on vaccine efficacy and vaccine safety, infection after vaccination, access to additional vaccines for Viet Nam, risk assessment of the ongoing outbreaks and updates on cases and public health measures.
- There is also significant coverage on the Viet Nam's contribution to the COVAX Facility, establishment of the COVID-19 vaccine fund through private sector engagement and also procurement of vaccines by private companies.
- Key communication products focusing on health workers were issued:
 - [Thank You Health Workers and Responders from WHO](#)
 - [Advice to health workers to deal with stress](#)
 - [Appropriate Personal Protective Equipment for Health Workers](#)

- MOH and WHO continue with proactive messaging to support contact tracing, enhance vaccine confidence, and continuation of the 5K prevention practices (wearing face mask; hand washing and disinfection; keeping distance; no mass gathering; and filling out health declaration. Some of these are below:
 - o [Guidance for contacts of confirmed COVID19 cases.](#)
 - o Explainer on strict testing process for COVID-19 vaccines in this link: [COVID-19 vaccines go through rigorous test before use](#)
 - o [Same protective measures for new variants](#)
 - o [Guidelines on wearing mask](#)
- Communication materials on other health topics as they relate to COVID-19 have also been issued:
 - o Promotion of active lifestyle with messages on: [Being active while staying at home during the COVID19 pandemic](#)
 - o Promotion of blood donation even during the [COVID](#) pandemic has also been issued on World Blood Donor Day and available in this link: [Donate blood today! Now, more than ever, many people need safe, donated blood.](#)
 - o Messages highlighting those smokers with COVID-19 are at greater risk of progressing the disease and leading to early death have been issued by MOH and WHO. These social media posts, such as [Smokers have higher risk of severe COVID and death](#) have reached more than 25 million Facebook users in Viet Nam.

MEDIA MONITORING

– Viet Nam's outbreak situation

- Hospital guard in Hanoi catches COVID-19 despite not leaving workplace for 3 months
 - o <https://tuoitrenews.vn/news/society/20210614/hospital-guard-in-hanoi-catches-covid19-despite-not-leaving-workplace-for-3-months/61503.html>
- Nghệ An COVID-19 patient suspected of failing to declare travel history honestly
 - o <https://vietnamnews.vn/society/974574/nghe-an-covid-19-patient-suspected-of-failing-to-declare-travel-history-honestly.html>
- Frequent donation to “keep the heart beating”
 - o https://hanoitv.vn/hien-mau-thuong-xuyen-de-giu-nhip-dap-trai-tim-d167451.html?fbclid=IwAR1XC_M7SE5LBc5OePeKJ5wjRMj7Hx_I0fxa3Jh8LgEFyJEg_N6jsb3w3L4

– Viet Nam's control measures

- HCMC to continue social distancing
 - o <https://vnexpress.net/tp-hcm-tiep-tuc-gian-cach-xa-hoi-4293856.html>
- Ho Chi Minh City locks down entire apartment complex over virus infection chain
 - o <https://tuoitrenews.vn/news/society/20210614/ho-chi-minh-city-locks-down-entire-apartment-complex-over-virus-infection-chain/61494.html>

– Vaccination updates

- NA Chairman urges stepping up vaccine strategy
 - o <https://vietnamnews.vn/politics-laws/974519/na-chairman-urges-stepping-up-vaccine-strategy.html>
- Coronavirus hits vaccinated employees at COVID-19 treatment hospital in Ho Chi Minh City
 - o <https://tuoitrenews.vn/news/society/20210613/coronavirus-hits-employees-at-covid19-treatment-hospital-in-ho-chi-minh-city/61475.html>

SOCIAL LISTENING

- Key topics on social media focus on vaccine efficacy and safety, risk assessment, public health measures, COVID-19 vaccine fund and financing from the private sector.
- There are questions about the efficacy of the AZ vaccines after a cluster of medical workers at NHTD HCMC was found.

Recent and upcoming Events and Priorities

- WHO continues supporting MOH in various technical areas, providing technical advice and scientific updates especially with relates to the mutated variants; testing strategies; supporting data management, reporting and information sharing, contact tracing; supporting ongoing efforts on COVID-19 vaccine development and vaccine deployment and distribution plans, effective communication (e.g. reinforcement of preventive measures communications through social media such as reactivation of Facebook ads, produced social media cards on laboratory testing).

For updates before 6 Jun - See previous Sitreps

Transmission Stage Assessment

Overall assessment – with the current outbreaks ongoing in country, there are six provinces that remain in Stage 2; 28 provinces in Stage 1 and the remaining 29 provinces in Stage 0. During the week, 6 provinces have moved from Stage 1 to Stage 0. There is a risk of some provinces moving toward Stage 1 and 2 depending on how the situation evolves and local response efforts.

Sub-national level

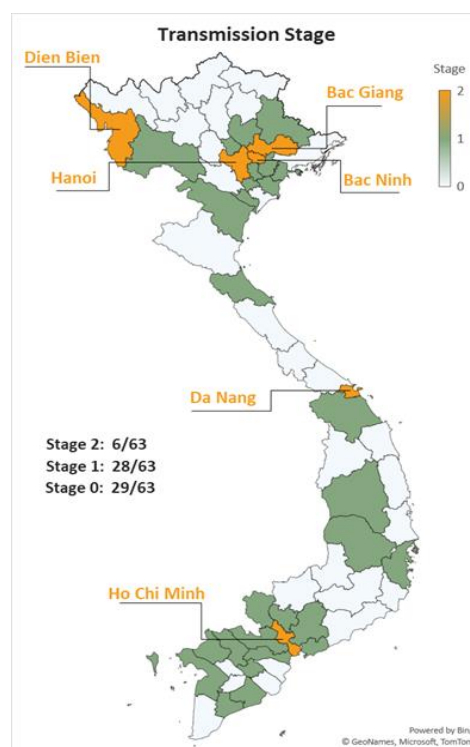
- Six (6) provinces remain in Stage 2** – Bac Giang, Bac Ninh, HCMC, Ha Noi, Da Nang and Dien Bien. While situations in Bac Giang, Bac Ninh and Ha Noi seemed stabilized, the situation in HCMC is of concern and is being closely monitored and responded to. Multiple generations of transmission have been observed in these provinces indicating localized transmission. Da Nang and Dien Bien situations continued to be stable with no cases reported during the week.
- Twenty-eight (28) provinces are in Stage 1:** 21 provinces have passed at least 14 days including those passed 28 days since the last community cases were reported. This brought the number of provinces in Stage 1 from 34 last week to 28 this week.
- Twenty-nine (29) provinces are in Stage 0:** These provinces remain with no local or imported cases reported in the pass at least 28 days; or have passed 28 days since the last cases reported. Six provinces (Hoa Binh, Ha Giang, Tuyen Quang, Quang Ninh, Nam Dinh and Quang Ngai) have moved from Stage 1 to Stage 0 this week.

The current outbreaks involve 39/63 cities and provinces in country including major hospitals and industrial parks. **During the week, additional cases and clusters have been identified including those with unknown sources of infections, especially in HCMC, Ha Tinh and Tien Giang. Both B.1.1.7 and B.1.617.2 VOCs have been detected.** As of the week ended on **13 June 2021, 29 provinces are in Stage 0; 28 provinces are in Stage 1, and 6 provinces remain in Stage 2.** Given a complex nature of concurrently newly emerged clusters especially in HCMC and other hotspots, and with mass laboratory testing and contact tracing are ongoing, **more cases are expected in those areas in coming days.** Situation in Bac Giang, Bac Ninh and Ha Noi are expected to be gradually improved. Besides, **more imported cases among incoming travelers and repatriated citizens are also expected.**

*WHO/WPR Transmission Assessment criteria

- Stage 0 – No transmission:** No clear signals of transmission for at least 28 days.
- Stage 1 – Imported transmission:** Recent transmission is imported from another sub-national or international area or is linked to such importation within 3 generations, no clear signals of locally acquired transmission.
- Stage 2 – Localized community transmission:** recent locally acquired and localized to place(s), and there are no clear signals of large-scale community transmission.
- Stage 3 – Large-scale community transmission:** recent transmission is locally acquired and not specific to place(s) or population sub-group(s). The risk of infection for most people in this area is high

Assessment done by WHO Viet Nam with concurrence from the Ministry of Health of Viet Nam.



Epidemiology

Epi Update COVID-19

Tests	Cases	Deaths	ICU Admissions
1,247,153	1,791	6	84 (TBU)
NAT Tests past 7 days (-7.0% 7-day)	New cases past 7 days (+9.2% 7-day)	Deaths past 7 days (+0% 7-day)	ICU Admissions past 7 days (+34 cases 7-day)
7,529,570	10,538	59	168 (TBC)
Cumulative NAT Tests	Cumulative Cases	Cumulative Deaths	Cumulative ICU Admissions

2.7%	4,145	At least 33	18 (TBC)
Imported Cases in past 28 days (170)	Cases in past 28 days with no link (TBD)	Active Clusters (TBD)	Active clusters with >3 generations

Health Service Provision COVID-19

Most of national hospital staff	57	1,791	1,500	30,000 (TBC)
Health care workers trained in COVID19 Case Management	Healthcare worker cases reported past week (Total: 92)	Hospitals admitting COVID-19 patients past week	ICU beds for COVID-19 patients (estimated in TBU currently 30 affected provinces) (out of approx. 3,500 beds nationwide)	Non-ICU Hospital beds for COVID-19 patients (As of 23 May – 30 field hospitals being set up across the country; one ICU centre each set up in Bac Giang and Bac Ninh)

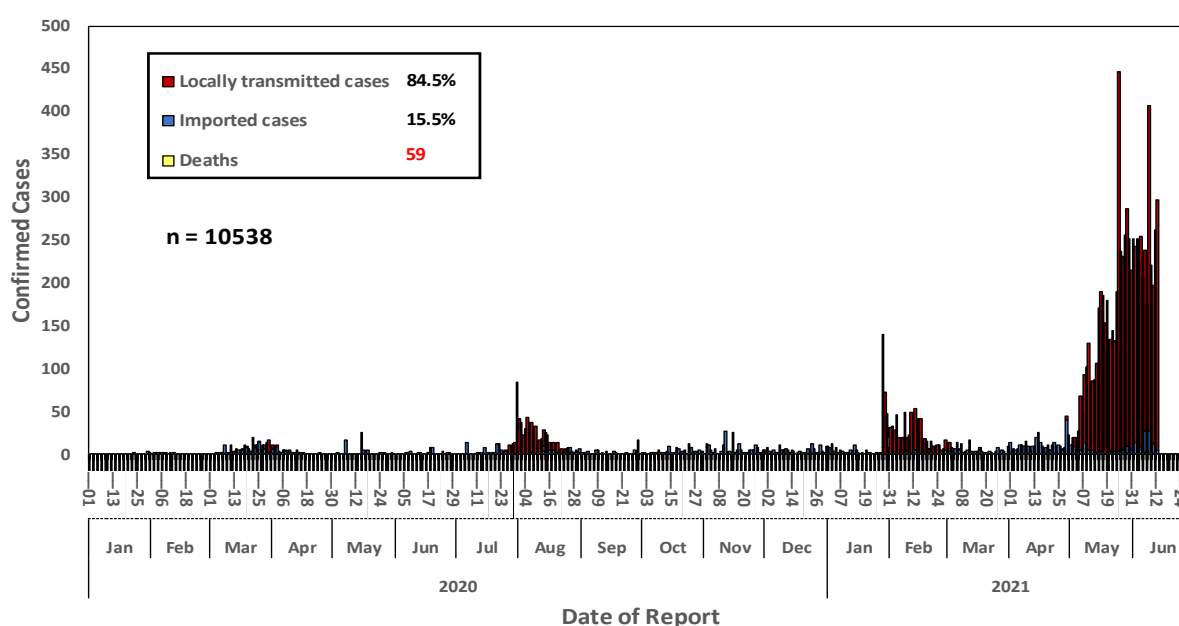


Figure 1. Epidemic curve of COVID-19 laboratory confirmed cases, Viet Nam, by date of reporting, 23 Jan 2020 – 13 Jun 2021

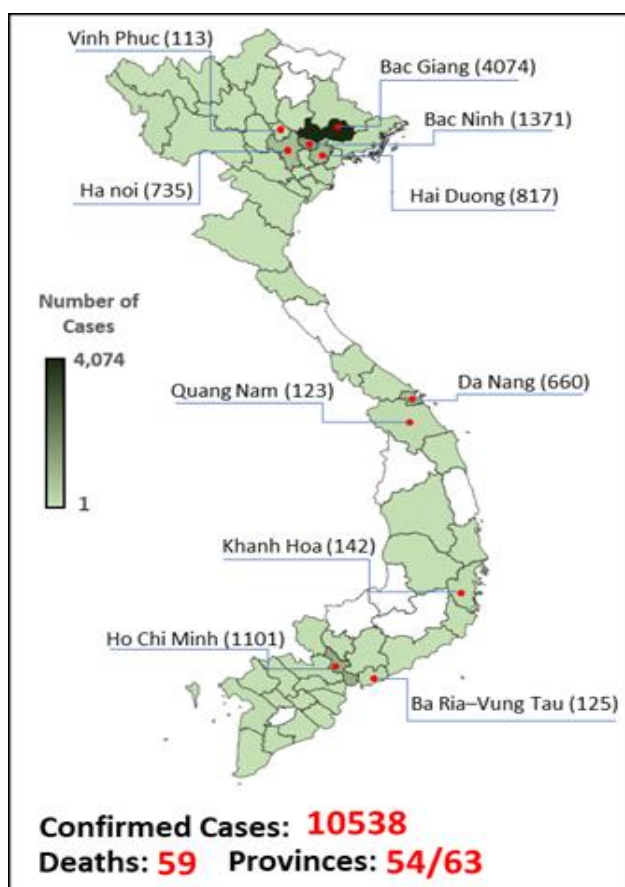


Figure 2. Distribution of cumulative COVID-19 laboratory confirmed cases by place of detection (with top ten provinces with highest case numbers highlighted), Viet Nam, 23 Jan 2020 – 13 Jun 2021

Age Group	Female		Male	
	Cases	Deaths	Cases	Deaths
0-9	248 (40)	0 (0)	278 (56)	0 (0)
10-19	420 (79)	0 (0)	377 (84)	0 (0)
20-29	2055 (351)	3 (0)	1525 (311)	0 (0)
30-39	1894 (279)	4 (0)	1127 (218)	2 (0)
40-49	767 (127)	1 (0)	488 (91)	0 (0)
50-59	364 (38)	7 (1)	356 (47)	5 (1)
60-69	243 (29)	10 (2)	188 (21)	8 (0)
70-79	81 (7)	4 (0)	56 (7)	3 (1)
80-89	35 (2)	7 (1)	23 (4)	3 (0)
90+	8 (0)	1 (0)	5 (0)	1 (0)
Total	6115 (952)	37 (4)	4423 (839)	22 (2)

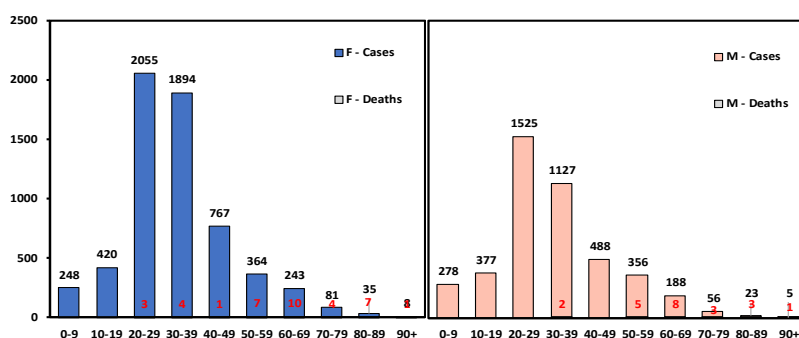


Table 1. Cumulative and new (past 7 days) cases and deaths by age and sex, 23 Jan 2020 – 13 Jun 2021

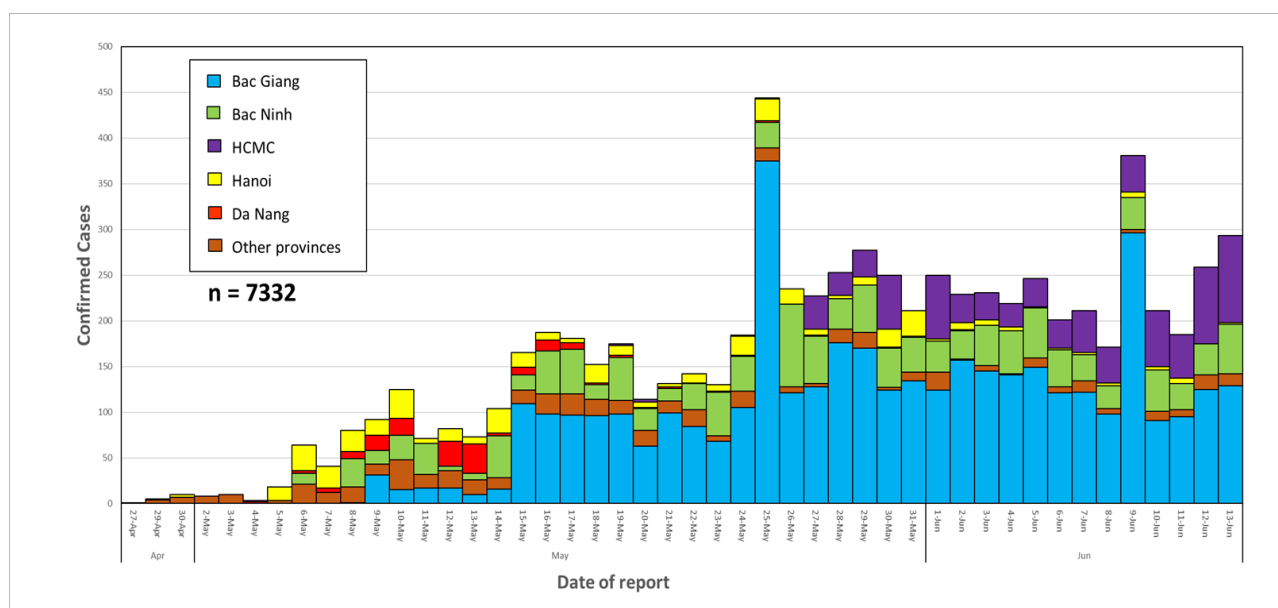


Figure 3. Epidemic curve of COVID-19 laboratory confirmed cases for the current outbreaks, from 27 Apr – 13 Jun 2021, Viet Nam, by province and date of reporting

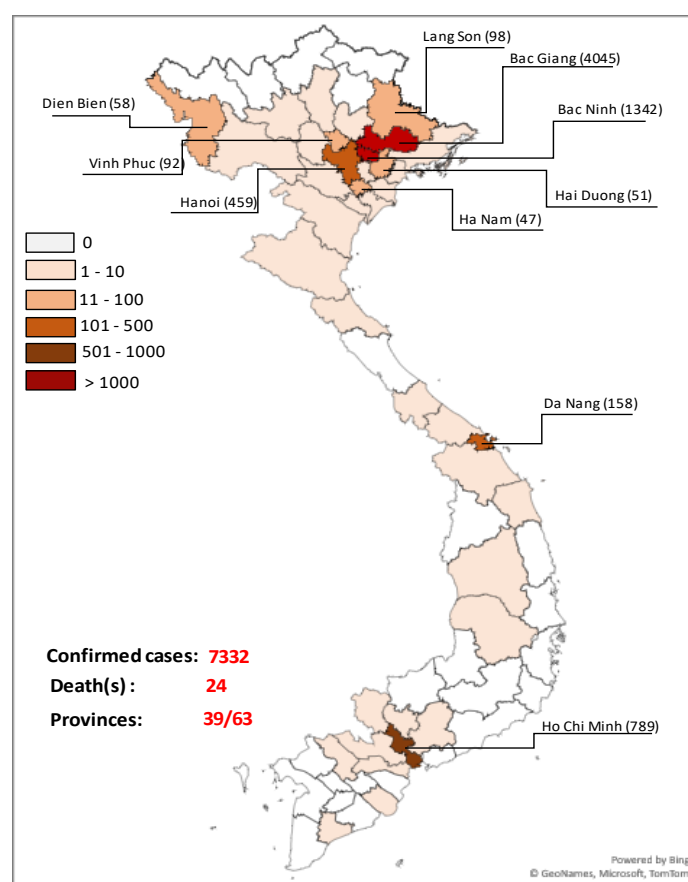


Figure 4. Distribution of COVID-19 laboratory confirmed cases in the current outbreaks by province, Viet Nam, 27 Apr – 13 Jun 2021

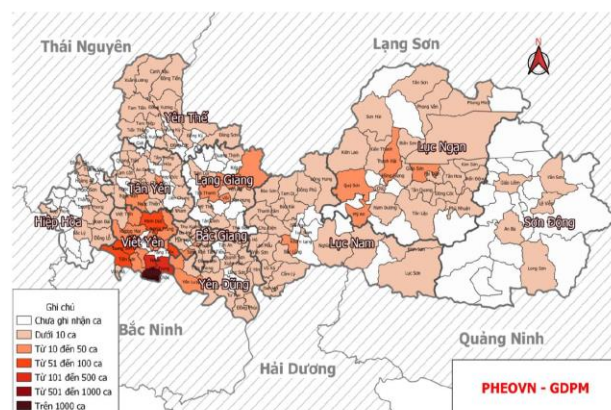
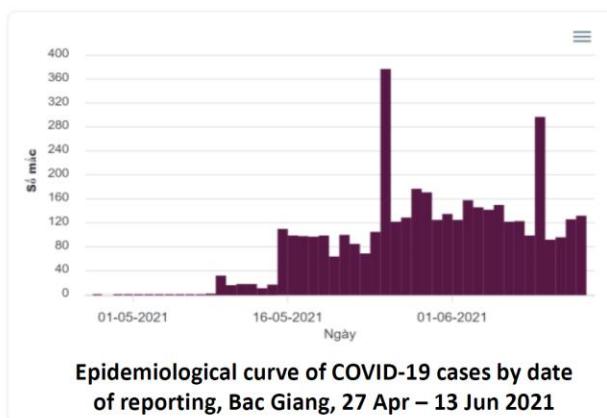


Figure 5. Bac Giang updated situation in the current outbreak, as of 13 June 2021

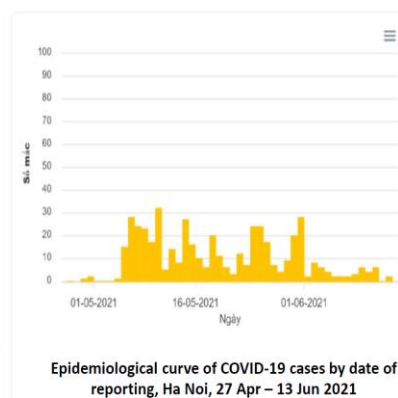
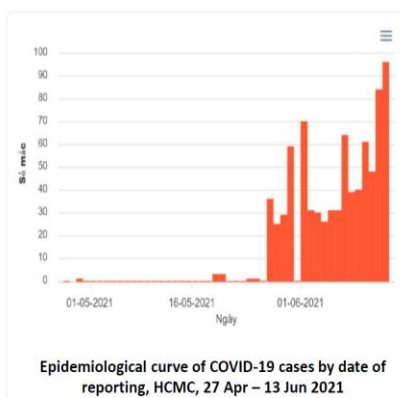
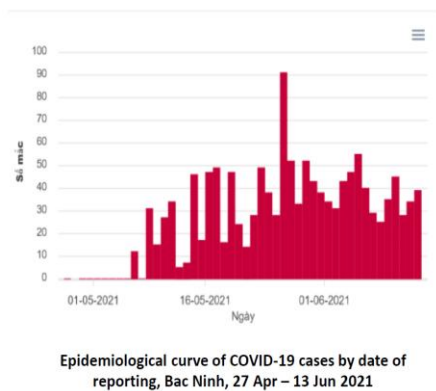


Figure 6. Epidemiological curves of number of COVID-19 cases by date of reporting, Bac Ninh, HCMC and Ha Noi, in the current outbreak, as of 13 June 2021



**World Health
Organization**
Representative Office
for Viet Nam

Viet Nam

Coronavirus Disease 2019 (COVID-19) Situation Report #46

13 June 2021

Report as of 13 June 2021



ANNEX 1 - NPIs measures, from 29 Apr to 13 Jun 2021

NPI	Monitoring status					
			Implementation		Partial lift	Lifted
	Date of first implemented	Date of modified	Geographical (national or subnational)	Recommended Required	Lifted for some area	Lifted for all areas
<i>Wearing Face masks, Hand Hygiene, Respiratory</i>	Since 31 Jan 2020		National	Required		
<i>School Closure</i>	4 May 2021		Subnational: 31 out of 63 provinces/cities	Required		
	10 May 2021		39 provinces/cities	Required		
	17 May 2021		45 provinces; students in 15 provinces started early summer holiday from 15 May.	Required		
	25 May		all school students are now on summer holidays, except students in grade 9 and 12 who are following online study	Required		
	31 May		6 provinces/cities postpone 10 th grade entrance 10 exam until further notice	Required		
<i>Workplace Closure</i>	No					
<i>Mass Gatherings</i>	10 May		63 provinces	Required: Ha Nam, Vinh Phuc Recommended in remaining provinces/cities		
	10 May		All 63 provinces	Required		
<i>Stay at Home</i>	29 Apr		Subnational, communes with COVID-19 reported cases	Required at the lockdown areas		
<i>Restrictions on Internal Movement (within country)</i>	4 May		Health declaration, home/centralized quarantine and testing for people arriving from communes with COVID-19 report cases or flights, places under MOH and or DOH urgent notices.	Required		



			Ministry of Transport requested inter-provincial public transport NOT receiving/ dropping passengers in outbreak areas.			
	31 May		Suspension of buses to HCMC from the South and Central provinces	Required		
Restrictions on International Travel	Since 22 Mar 2020			Required		
Communities/ hospital lock down	2 May		Subnational: - Lockdown residence areas/villages where COVID-19 cases reported: Ha Nam, Vinh Phuc, Hung Yen, HCMC, and Quang Nam - Lockdown 2 hospitals, one in Vinh Phuc and one in Da Nang - 3 May: lockdown a Cruise ship in Ha Long bay; a market in Da Nang; Lock down Thai Binh General hospital; Lung hospital in Lang Son province - 7 May – Social distancing in 5 districts (including Bac Ninh City) in Bac Ninh province, Vinh Yen City of Vinh Phuc province, and Hoang Mai Dist. of Nghe An province; Lock down Quynh Lap National Dermatology hospital in Nghe An; Lockdown and social distancing additional districts or communes in Hoa Binh, Ha Noi, Hung Yen, Thai Binh and TT - Hue - As 20 May: Social distancing in 3 districts in in Bac Ninh province; 5 districts in Bac Giang province. 21 May: Social distancing in Hai Duong City, Hai Duong province - 26 May: Extension of lockdown NHTD until 8AM 9 June - 27 May: Restaurants/ coffee shops only serve takeaways; closed hairdressers, public mass gatherings	Required	19 May- Lifted social distancing in Vinh Yen City, Vinh Phuc province; Military 105 hospital 20 May- lifted social distancing in Thai Binh province 21 May: Lifted lockdown Quynh Lap National Dermatology hospital in Nghe An province 23 May: Lifted lockdown 2 premises of K hospital 24 May: Lifted lockdown Traditional Medicine hospital in Vinh Phuc province. 25 May: Lifted lockdown Phuc Yen general hospital in Vinh Phuc province and Hoan My hospital in Da Nang 27 May: Lifted lockdown Lang Son Lung hospital	



			- 29 May: as of 00:00, Huu Lung Dist. of Lang Son applied social distancing as per PM's Directive No.16 in communes with reported cases. - 30 May: Suspension of all religious activities, non-essential services, entertainment services, sport activities; prohibited gatherings with more than 10 people at public places in Can Tho, Bac Lieu, Binh Duong and Dong Nai province. From 0:00 31 May: lockdown Go Vap district and one commune of District 12, other districts in HCMC implement COVID-19 prevention and response measures as PM Directive # 15 including suspension of meeting, no gatherings with more than 20 people in a room, no gatherings with more than 5 people outside schools, hospital, offices, ensure 2-meter distance in public places, and suspension of non-essential services. - 2 June: 3 cities in Binh Duong province implemented COVID-19 prevention and control measures as Directive 15 of the PM dated 27 Mar 2020 - 3 June: Hai Duong implement Directive # 15 of the PM in 11 districts, and Hai Duong City implement Directive # 15 plus (prohibited gathering more than 2 people at public places). - 8 June, Social distancing (implement PM's Directive number 16) in Ha Tinh City, Ha Tinh province. - 12 June, Tien Giang province started implementing Directive No. 15 until the further notice		7 June: Yen The and Luc Nam districts, Bac Giang province implementing PM's Directive 15. Prior to 7 June, these districts had implemented PM's Directive 16. 8 June: Quang Ninh reopened restaurant, tourist, spots, religious facilities 9 June: Da Nang City reopened restaurants and outdoor sport activities 10 June: Lang Giang district, Bac Giang province districts implement PM's Directive 15. Prior to 10 June, the district had implemented PM's Directive 16.	
--	--	--	--	--	---	--



ANNEX 2: Hospital lockdown as of 13 June

Province/city	Hospital	Date of lockdown/close	Reasons of lockdown/close	Date of Lifted (TBU)
Ha Noi (3 hospitals)	NHTD#2	5 May	Cluster of 14 cases (1 health staff, 4 care givers, and 9 patients) reported on 5 May	
	K #3 (Tan Trieu premise)	7 May	Cluster of 11 cases reported on 7 May (4 care givers and 7 patients)	
	Bac Thang Long hospital (closed COVID-19 screening unit only)	7 June	Visited by one COVID-19 case.	
Dien Bien (1 hospital)	Dien Bien Phu city field hospital	19 May	Three staff members of the hospital were positive with SARS-CoV-2	9 June
Ho Chi Minh City (5 hospitals and 8 clinics)	Under full lockdown: 3 hospitals, 8 general clinics closed			
	Gia Dinh hospital	27 May	3 index cases of Phuc Hung religious group) visited the hospital on 26 May	28 May
	Hoan My hospital	27 May	Visited by a COVID-19 case	31 May
	Tan Phu District hospital	28 May	Three cases (3 members of a family) visited the hospital	
	Nam Sai Gon hospital	2 June	A hospital staff (laboratory staff) was positive with SARS-CoV-2 through regular test for hospital staff	
	Tran Diep Khanh general clinic	28 May	Visited by a COVID-19 case.	
	Xom Moi clinic	28 May	Visited by a COVID-19 case.	
	Binh Thanh hospital	31 May	3 visits of COVID-19 case (17, 19, and 29 May)	7 June
	Nhan Hau general clinic	4 June	Visited by a COVID-19 case	
	Hoan My general clinic	4 June	Visited by a COVID-19 case	
	General clinic of Medical and Pharmacy University in HCMC	5 June	Visited by a COVID-19 case	



Province/city	Hospital	Date of lockdown/close	Reasons of lockdown/close	Date of Lifted (TBU)
	Viet Phuoc general clinic	7 June	Visited by a COVID-19 case	
	Internal clinic	8 June	Visited by a COVID-19 case	
	Hoang Anh Dung general clinic	10 June	Visited by a COVID-19 case	
	Tropical Diseases hospital	12 June	Three staff members of the hospital were positive with SARS-CoV-2.	
	Under partially close/lockdown: OPD or part of OPD of 2 hospitals			
	Quan Dan Y Mien Dong hospital: closed OPD	28 May	Visited by a COVID-19 case.	1 June
	Pediatric hospital number 1: closed part of OPD	1 June	Visited by a COVID-19 case	3 June
	Pediatric hospital number 1: Closed newborn department	10 June	Visited by a COVID-19 case	
	Mekong ObGyn hospital: closed part of OPD	1 June	Visited by a COVID-19 case	4 June
	Go Vap District hospital: closed OPD	2 June	Visited a COVID-19 case	4 June
Long An province (1 hospital)	Le Minh Xuan mental health hospital: closed OPD	2 June	Visited by a COVID-19 case	4 June
	Trieu An hospital: closed OPD	10 June	Visited by a COVID-19 case	
Long An province (1 hospital)	Can Duoc district hospital	30 May	Visited by a COVID-19 case (F2 of a case in HCMC)	3 June
Ha Tinh	Ha Tinh Provincial General Hospital	8 June	A hospital staff (an accountant) positive with SARS-CoV-2 through regular test for hospital staff	9 June