



Situation Summary

Highlights of Current Situation Report

- On 21 December, no new COVID-19 cases related to the 28 November event were reported. This brings the total number of confirmed cases related to the event to 41 (19 Females and 22 Males) with 2 antibody-positive individuals and 0 deaths. Of the 41 cases, 11 cases are hospitalized at KSFH, CARHC, CENAT and the remaining cases have recovered.
- As of 20 Dec, more than 1500 contacts were identified. Among them, 160 are active contacts who are under daily follow up. Among active contacts, 89 are high-risk contacts. All contacts were tested.
- From 29-20 Dec, more than 41,000 samples were tested (including the third test). Of which 41 were positive for COVID-19. All testing related to the 28 Nov event was done by IPC.
- On 19 Dec, MOH issued a modified guidance on quarantine requirements for diplomats and international organization officers holding visa type A. Full 14 quarantine to be conducted at embassy residences, separate house or Himawari hotel.
- As of 21 December 2020 10am ICT, 363 (F:87, M:276) confirmed cases of COVID-19 have been reported from Cambodia, of which 345 have recovered. 280 cases were acquired overseas, representing 17 nationalities in addition to Cambodian, with the rest locally acquired. Eighteen patients are currently being hospitalized.
- WHO is developing and compiling a single SOP package for each technical area to support provinces with the current response
- WHO, USCDC and other partners are supporting MOH to investigate the cluster with two objectives:
 - Prospective contact tracing to identify all contacts and quarantine close contacts
 - Retrospective investigation to identify the source of the infection with a focus on high risk settings (3 C's)

Upcoming Events and Priorities

- COVID-19 risk communication campaign targeted at young people will be launched in early February. The objective of the campaign is to communicate that there is a continued risk of COVID-19 in Cambodia, risks will remain until the pandemic is over and to inspire and motivate the target groups to positively influence others (peers, family, community).
- MOH is conducting national weekly transmission stage assessments using multisource surveillance. MOH and WHO supported Phnom Penh, Battambang, Siem Reap and Tboung Khmum to conduct their own stage assessment for week 50 (14-20 December). Phnom Penh was assessed to be in stage 2; the other three provinces were assessed to be in stage 0.
- Capacity building trainings on MHPSS for 200 VHSGs in the context of COVID-19 at community level for 20 communes of Kampong Siem, Prey Chor, Cheung Prey, and Ba Theay districts of Kampong Cham province from 14-25 December 2020 by RUPP, MoEYS.
- MOH is progressing with plans to expand and decentralize laboratory testing capacity for COVID-19 to three provincial laboratories: Siem Reap, Sihanoukville and Battambang. A proposal for funding to support the expansion of Molecular Diagnostics capacity has been submitted to Global Fund. Testing at the new laboratory in Siem Reap is ongoing, adding provincial laboratory testing capacity to the existing three labs. The University of Health Science has also been approved to begin testing for a one-month trial period.
- MOH Department of Hospital Services (DHS) is finalizing version 3.0 of the clinical guidelines. This version includes content on management of severe and critical cases; oxygen considerations; procedures for SARS-CoV-2 monitoring; discharge criteria; use of medicines; and post-discharge management. A Maternal, Newborn

and Child Health Services COVID-19 technical brief, led by the National Maternal Child Health Centre, is also being finalized to complement the clinical guidelines.

- The National Immunization Program has drafted the COVID-19 National Deployment and Vaccination Plan (NDVP) with a focus on the following areas:
 - Cold storage capacity assessment
 - Vaccination strategies
 - Management structure
- The government continuously assesses the adjustment of non-pharmaceutical interventions (NPIs) through a gradual step-wise approach that considers the effectiveness, socio-economic cost, and public acceptability of each measure, while continuing to increase surveillance to inform decision-making.
- To ensure a timely and effective response to a potential localized outbreak in the future, and to minimize disruptions to the delivery of essential health services, an MOH committee has been formed to lead the design and implementation of six regional workshops. The workshops will be used to develop and/or refine provincial preparedness action plans, in line with the National Master Plan for COVID-19, and to identify key priorities to strengthen local preparedness.

National Transmission Assessment

2-Localised community transmission As of 21 December 2020, 280 (77%) of the 363 cases were imported, the remaining cases were locally acquired and contact tracing is ongoing for cases related to the community cluster. There are no reports of undiagnosed respiratory clusters through the national hotline. Influenza-like illnesses (ILI) and severe respiratory illness (SRI) reports are below expected levels for December. A total of 181,334 individuals have been tested using real-time polymerase chain reaction (RT-PCR), with a positivity rate of 0.20%. In total, 262,150 tests have been performed as of 21 December 2020 including 4,115 ILI/ SARI sentinel surveillance specimens which have been tested negative for SARS-CoV-2.

Epi Update COVID-19

Tests	Cases	Deaths	ICU Admissions
17,186	4	0	0
NAT Tests past 7 days	New cases past 7 days (-64% 7-day)	Deaths past 7 days (0% 7-day)	ICU Admissions past 7 days (0% 7-day)
262,150	363	0	0
Cumulative NAT Tests	Cumulative Cases	Cumulative Deaths	Cumulative ICU Admissions
16	1	1	1
Imported Cases in past 28 days	Cases in past 28 days with no link (1)	Active clusters	Active clusters with >3 generations

Health Service Provision COVID-19

0	27	13,667	17
Healthcare worker cases reported past week	Hospitals admitting COVID-19 patients	Total public hospital beds	Number of hospitals with experience in COVID-19 case management



Epidemiology

28 November event

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- As of 20 Dec, more than 1500 contacts were identified. Among them, 160 are active contacts are under daily follow up. Among active contacts, 89 are high-risk contacts. All contacts were tested.
- From 29-14 Dec, more than 41,000 samples were tested (including the third test). Of which 41 were positive for COVID-19. All testing related to the 28 Nov event was done by IPC
- On 19 Dec, MOH issued a modified guidance on quarantine requirements for diplomats and international organization officers holding visa type A. Full 14 quarantine to be conducted at embassy residences, separate house or Himawari hotel.
- WHO, USCDC and other partners are supporting MOH to interview the cases and further investigate the cluster with two objectives:
 - Prospective contact tracing to identify all contacts and quarantine close contacts
 - Retrospective investigation to identify the source of the infection with a focus on high risk settings (3 C's)
- All cases are hospitalized at Khmer Soviet Friendship Hospital (KSFH), Chak Ang Re Health Center (CARHC) and The National Center for Tuberculosis and Leprosy Control (CENAT)
- SARS-CoV-2 genomic analysis revealed that the 03 and 28 November events are not genetically linked.

Figure 1. Number of confirmed COVID-19 cases by acquisition status and date of positive test

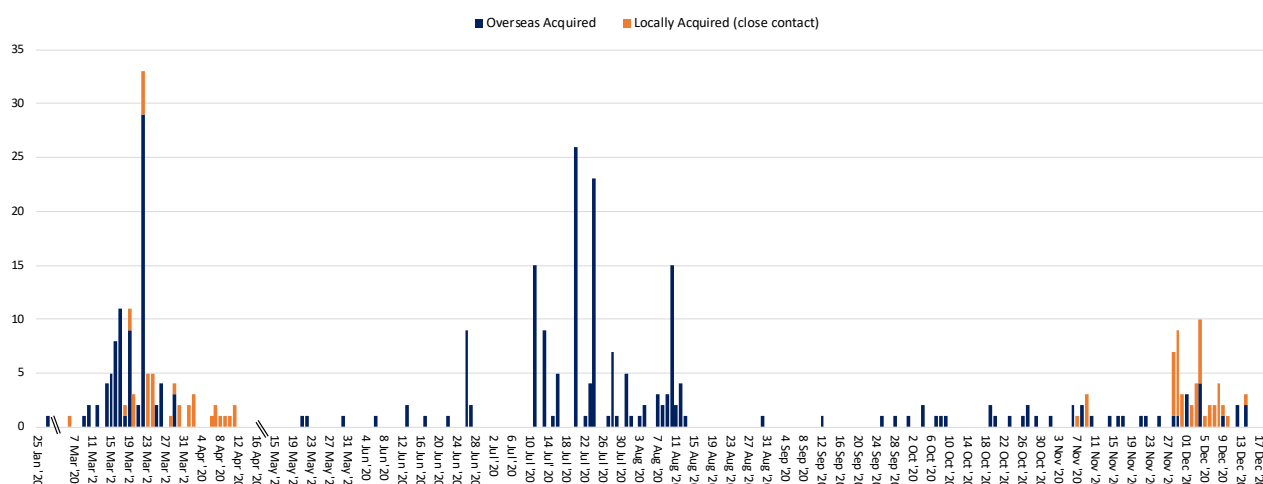


Table 1. Cumulative and new (past 7 days) cases and deaths by age and sex

Age Group	Female		Male		Total
	Cases	Deaths	Cases	Deaths	Cases
0-9	1(0)	0(0)	6(1)	0(0)	7(1)
10-19	1(0)	0(0)	4(0)	0(0)	5(0)
20-29	20(0)	0(0)	119(0)	0(0)	139(0)
30-39	24(1)	0(0)	65(0)	0(0)	89(1)
40-49	8(0)	0(0)	25(0)	0(0)	33(0)
50-59	12(1)	0(0)	20(0)	0(0)	32(1)
60-69	18(1)	0(0)	29(0)	0(0)	47(1)
70-79	2(0)	0(0)	6(0)	0(0)	8(0)
80-89	0(0)	0(0)	0(0)	0(0)	0(0)
90+	0(0)	0(0)	0(0)	0(0)	0(0)
Unknown	1(0)	0(0)	2(0)	0(0)	3(0)
Total	87(3)	0(0)	276(1)	0(0)	363(4)

Figure 2. Proportion of confirmed COVID-19 cases by age group and nationality (n=363)

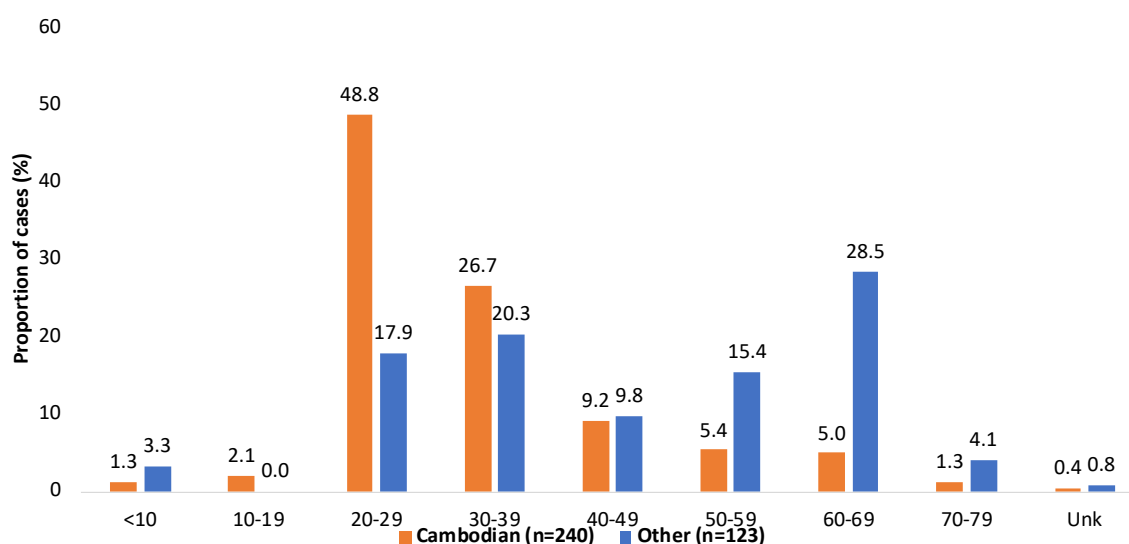


Figure 3. Number of ILI cases from ILI sentinel sites (n=7) by week, 2020 and 2017-2019

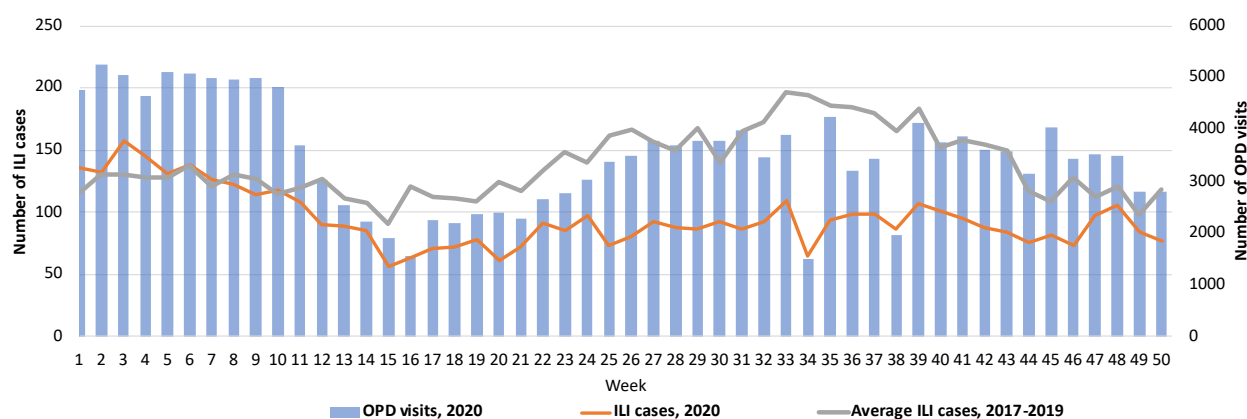
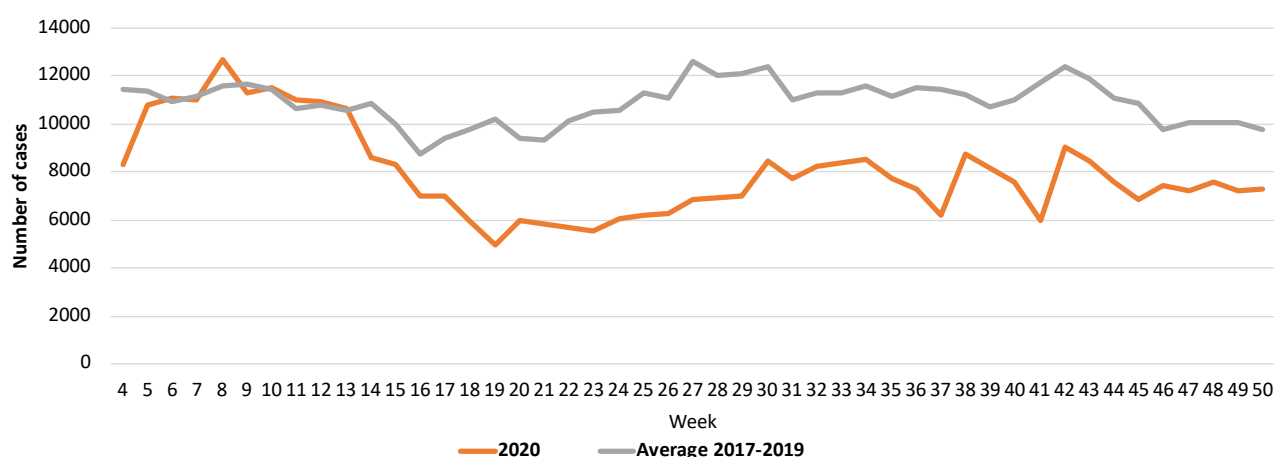


Figure 4. Number of patients with severe respiratory illness by week, 2020 and 2017-2019



Strategic Approach

National and Provincial Public Health Response

Incident Management Systems

- Inter-Ministerial Committee, chaired by the Minister of Health, with Secretaries of State
- National COVID-19 Committee, chaired by Samdech Prime Minister
- Provincial COVID-19 Committees, chaired by Provincial Governors
- Committee on Economic and Financial Policy (CEFP)/ Ministry of Economy and Finance (MEF) of four Working Groups to address the socio-economic impacts of COVID-19

System and Policy Development

- State of Emergency legislation was promulgated into law on 29 April 2020; has not been enacted
- Go.Data Platform used as a surveillance database including laboratory and contact tracing information
- NIPH and CDC databases have been adjusted to allow for multisource dataset on testing and surveillance

Key Priorities

- A primary care strategy for COVID-19 is being developed by MOH departments. This document will include suggested roles and responsibilities for health centres in the potential scenario of community transmission, as well as guidance on clinical management and infection, prevention and control
- A survey of clinical management and infection prevention and control trainings is currently being implemented by MOH/DHS to support the development of a national curriculum for COVID-19
- A number of health system readiness assessments on hospital readiness, ICU capacity, oxygen, staffing, etc. are currently being conducted by MOH/DHS
- National programmes are developing specific COVID-19 preparedness and responses plans
- Implementing the laboratory expansion strategy to ensure sustained testing for COVID-19
- Strengthening facility quarantine to reduce the risk of onward transmission with the development of simple job aids for facility staff
- A rapid containment strategy to plan the detection and response activities in the event of localized transmission for COVID-19 particularly in specific contexts such as schools, pagodas and prisons is in place
- The MOH guidance on surveillance and contact tracing for COVID-19 is currently being updated
- Strengthening the use of multisource surveillance at national and subnational levels for risk assessment and decision making
- Expanding laboratory testing capacity for COVID-19
- Strengthening local preparedness in case of potential localized outbreak in the future and to minimize disruptions to the delivery of essential health services

Strategic Approach to COVID-19 Prevention, Detection and Control

- *Testing strategy and contact tracing system in place*

A broad testing strategy is being implemented nationwide, including testing all suspect cases meeting case definition, active surveillance for pneumonia cases in hospitals, testing at POEs at day 1 and day 13 of 14-day quarantine and testing ILI and SARI samples from sentinel sites for COVID-19. Hot-spot surveillance strategies and targeted testing of high-risk populations are also being implemented as necessary.

- **Risk communication and community engagement**

A strategy for surveillance using community engagement has been developed and will be piloted for case detection at the health centre level and in the community. The Ministry of Interior is reinforcing the monitoring of quarantine through follow-up and fines for individuals who do not follow guidelines.

A community engagement strategy has been drafted. MOH has developed a Risk Communication and Community Engagement monitoring and supervision plan being implemented from May 2020 to July 2020 for health care personnel and village personnel in 12 provinces.

- **Information Education Communication:**

- Trainings on COVID-19 prevention and control during school reopening
 - Provided the continued trainings of school principals, vice school principals, teachers in charge of school health including representatives of District Office for Education within Phnom Penh city on COVID-19 prevention and control during school reopening from 5-7 October 2020 at the MoEYS. A total number of 98 participants have been trained.
- Trainings on mental health and psychosocial support (MHPSS) and aspects of COVID-19
 - A total of 70 health professionals (health staff) from district referral hospitals in Ratanakiri capital, Banlung, O'Chum and Bor Keo districts, Angdoun Meas, O Yadav and Kon Mom district, Lumphat, Ta Veng and Vin Sai district of Rattanakiri province, 50 Village chiefs and Village Support Groups (VHSGs) at Thmorkol district and 50 VHSGs at Banan district of Battambang province.
 - 65 health professionals (health staff) from health centers and districts referral hospitals in Borey Osvey Sen Chey and Seam Bork districts, Seampa and Se San districts, Krong Steung Treng and Kalaboriwath district of Steung Treng province. The trained health professionals will then assist and provide appropriate mental health and psychosocial support MHPSS to vulnerable population including the returning migrants at their communities as part of their routine health care provision.

- **NPIs (recorded in table at end of report)**

Best Practices / Lessons Learned

Factors Contributing to Strong Response

- **Strong leadership and coordination**
 - Whole-of-government, whole-of-society response led by the Prime Minister, with public health actions led by Minister of Health
 - National Master Plan for COVID-19 developed with budget of \$62 million for first year
- **Past investments have built a functional public health system**
 - Multisource surveillance for COVID-19, including event-based surveillance (with 115 hotline) and expanded ILI/SARI surveillance
 - Almost 3,000 RRT members across the country conduct case investigation and contact tracing
- **Risk communication and community engagement**
 - Timely messages disseminated through TV, radio and social media, regular press releases, press conferences and media briefings
 - Targeted communication materials developed for at-risk groups, including migrants and garment factory workers

- Community engagement strategy being rolled out to encompass all aspects of surveillance and response for COVID-19, particularly in the event of community transmission
- **International solidarity and cooperation**
 - Open and transparent health system response in the country
 - Close technical and operational cooperation between UN agencies and other development partners
 - High-level participation in international meetings, including regular coordination between National International Health Regulations (IHR) Focal Points

Non-Pharmaceutical Interventions (NPI)

Large-scale NPIs announced on 16 March 2020 included the closure of all education facilities nationwide, with distance learning measures instituted.

On 21 July it was announced that 20 high-safety standard private schools in Phnom Penh, Siem Reap and Battambang were allowed to open from August as the first of a three-phase reopening plan – the first phase is for schools with higher standards, the second is for schools with medium standards and the third is for schools with minimum standards. On the 25 August the MoEYS issued guidelines for the second phase. After six months of closures, four provinces considered low risk for COVID-19 transmission (Kratie, Stung Treng, Ratanakiri and Mondulakiri) were allowed to reopen education facilities for all levels, from public kindergartens to high schools, while the rest of country could reopen classrooms for Grade 9 and Grade 12 students. Safety measures include allowing a maximum of 20 students per classroom, with everyone seated two metres apart.

- On 21 September the Ministry of Education, Youth and Sport (MoEYS) authorized directors of education departments across the country to sign a Memorandum of Understanding (MOU) with and issue reopening permits for schools licensed by their respective One Window Service Office (OWSO). All educational institutions issued licenses by the OWSO in their jurisdiction will be eligible to reopen. On 15 October the MoEYS allowed all public universities to reopen provided they follow strict SOPs and guidance from WHO and MOH. On 02 November MoEYS allowed schools across the country to reopen in the third phase. MoEYS announced that health and safety in schools are still of paramount importance. In the third phase all state and public schools will resume studies as normal. On 08 November 2020, The Ministry of Education, Youth and Sport (MoEYS) announced that students who attended concerned government events will be quarantined and should not attend schools and/or universities. All Schools in Phnom Penh and Kandal Province to close for two weeks. Schools in Phnom Penh and Kandal province will reopen on 23 November.
- On 01 December, Ministry of Tourism announced temporary suspension of tourism vocational education and training institutions, schools and evaluation centers under the Ministry of Tourism for 15 days.

Karaoke bars (KTVs) and nightclubs were closed on 17 March. On 7 July, the Phnom Penh Municipal Administration announced KTVs and clubs could reopen, provided they convert their venues into restaurants and receive a city hall permit to operate. Venues must also follow MOH and Ministry of Tourism-mandated measures such as physical distancing, open-air ventilation and other precautions.

- To limit importation of COVID-19 cases, international arrivals from several high-burden countries were banned beginning in March. Lifting of these bans on 20 May has been accompanied by strict entry requirements for all non-diplomatic foreigners entering Cambodia including: requiring negative COVID-19 health certificates, medical insurance, testing upon arrival, 14-day quarantine and further testing on day 13.



- On 11 November 2020, MOH issued the updated guidance on travel and the implementation of health measures and quarantine: general foreigners and Cambodians entering into the Kingdom of Cambodia no longer have the option for home quarantine. As of 18 November, passengers were required to quarantine at government approved facilities. On 19 Dec, MOH issued a modified guidance on quarantine requirements for diplomats and international organization officers holding visa type A. Full 14 quarantine to be conducted at embassy residences, separate house or Himawari hotel.
- On 04 December MOH issued a notification on travel: all incoming travelers, Khmer, and foreigners are required to quarantine for two weeks. All foreign travelers: investors, businessmen, company staff, experts, technicians from China, Japan, South Korea, Vietnam, Thailand, USA, and EU are no longer exempt from quarantine.
- On 11 November 2020, The Ministry of Interior temporarily suspended forums, consultative meetings, and other meetings by sub-national administrations at all levels for two weeks in Phnom Penh and Kandal.
- On 8 November MOH announced the banning of certain social gatherings and sports activities, including the closure of entertainment centers, cinemas, theatres and museums around the country. On 18 November, cinemas and museums around the country were allowed to reopen. On 29 November, MoEYS announced the closure of private school for two weeks.

While the RGC has banned flights from Malaysia, Indonesia and the Philippines since August, as Cambodia is considered a low-risk country for importing COVID-19, in September an increasing number of international airlines have restored flights to and from Phnom Penh, including from Beijing, Singapore and Vietnam (with some entry restrictions). Cambodia Angkor Air has resumed domestic flights as well as one flight per week to Ghangzhou.

Measures to curb any potential community transmission has also involved the cancellation of public holidays. Khmer New Year, which usually take places in April, was officially rescheduled for 17-21 August, and the three-day Water Festival 30 October- 1 November has also been cancelled.

NPI	Monitoring status					
	Date first implemented	Date last modified	Implementation		Partial lift	Lifted
			Geographical (national or sub-national)	Recommended or Required	Lifted for some area	Lifted for all areas
Wearing Face Masks, Hand Hygiene, Respiratory Etiquette	None	None				
School Closure	16 March	29 November	National	Required	Yes	No
Workplace Closure	None	None				
Mass Gatherings	3 April	08 November	National	Required	No	No
Stay at Home	Government recommends stay home if possible	None				
Restrictions on Internal Movement (within country)	9 April	None	National	Required	No	Yes
Restrictions on International Travel	27 March	11 November	National	Required	Yes	No
Others; specify in narrative	None	None	-	-	-	-

Table 2. NPI implementation and lifting dates



Figure 5. NPI timeline combined with epidemic curve

