Movement control as an effective measure against Covid-19 spread in Malaysia: an overview

Kuok Ho Daniel Tang

Abstract

Aim The first Covid-19 cases were reported in Malaysia on 25 January 2019 followed by a quiescent period before an upward swing of the cases at the end of February 2020, partly attributed to mass gathering during a religious event. This short communication aims to provide an overview of the measures taken by the Malaysian Government in response to Covid-19, and of the effectiveness of the Movement Control Order.

Subjects and methods This short communication reviews articles and government announcements related to containment measures and the Movement Control Order of Malaysia, and graphically presents data pertinent to Covid-19 in Malaysia in order to show the relationship between fluctuations in Covid-19 cases and movement control.

Results At the onset of the Covid-19 outbreak, Malaysia had initiated travel restrictions and quarantine; but with a persistent increase in new Covid-19 cases, the Movement Control Order was finally rolled out on 18 March 2020, requiring closure of all businesses except those providing essential services and items. Enforcement of the order was tightened progressively, resulting in significant improvement of compliance, while other interventions such as tracking of potential contacts and medical screening were underway, and the media continued to provide updates and general advices. The numbers of new and active Covid-19 cases started showing evident downtrends from mid-April, thus indicating the effectiveness of movement control and its compliance.

Conclusion The article provides insight into crucial factors contributing to the success of movement control to effectively contain Covid-19, and highlights the need to prevent future upsurge through continuous monitoring and enforcement.

Keywords Covid-19 · Coronavirus · Malaysia · MCO · SARS-CoV-2
March at 235 (Fig. 1). Up to 30 April, the daily new cases crossed the 200 mark only four times (Fig. 1). Nonetheless, the active cases have been consistently lower than the total cases as infected individuals recovered from Covid-19 (Fig. 1).

**Measures taken by the Malaysian government to contain Covid-19**

The Malaysian government has been vigilant on Covid-19 since January 2020, starting with issuance of advice against travelling to China on 25 January after three Chinese citizens were tested positive for Covid-19 (Immigration Department of Malaysia 2020). After that, a series of measures has been rolled out as summarized in Table 1. The measures started with entry restriction of selective foreign nationals into Malaysia, as well as self-quarantine of Malaysian and non-Malaysian citizens returning from Covid-19 hotspots, and culminated with the passing and execution of the Movement Control Order (MCO) (Immigration Department of Malaysia 2020; Ministry of Health 2020; Prime Minister’s Office of Malaysia 2020a).

**Effectiveness of the movement control order**

The 2020 MCO, often referred to as partial lockdown, signifies a major step taken by the Malaysian Government to contain the Covid-19 pandemic. Akin to a cordon sanitaire, it prohibits mass movements and gatherings at all places nationwide including religious services, and demands closure of all business premises except manufacturers, suppliers, retailers, and food outlets (Kumar et al. 2020; Prime Minister’s Office of Malaysia 2020b). The order escalates travel restrictions, with sanctions required for all Malaysians travelling overseas as well as continued medical screening and 14-day quarantine of returning Malaysians. In addition, all foreign visitors are prohibited from entering Malaysia (Prime
Residents in locations identified as hotspots of Covid-19 containment measures in Malaysia (Bernama 2020a, 2020b; Ministry of Health Malaysia 2020; Prime Minister’s Office of Malaysia 2020a, 2020b)

| Date                  | Measure                                                                 |
|-----------------------|-------------------------------------------------------------------------|
| 27 Jan 2020           | 26 hospitals were identified as centres for further examination and treatment of individuals with suspected Covid-19 infection. The entry of Chinese nationals from Wuhan city and Hubei province was suspended. |
| 28 Jan 2020           | A committee comprising the National Disaster Management Agency, the Ministry of Foreign Affairs, the Ministry of Health, the Malaysian Armed Forces, and the National Security Council was established to facilitate the return of Malaysians from the Hubei province of China. The Sabah Government suspended all flights to China. |
| 1 February 2020       | All Chinese citizens and non-Malaysian citizens who visited China in the last 14 days were prohibited from entering Sarawak. Those with employment passes, student passes, or long-term social visit passes had a 14-day self-quarantine imposed. |
| 8 February 2020       | Travel restriction was imposed in Sabah on non-Sabah citizens and 14-day self-quarantine mandated for Sabah citizens with recent travel history to or returning from China. |
| 11 February 2020      | Agreement was attained between Malaysia and Singapore to form a Covid-19 containment joint committee headed by the deputy health ministers of both nations. |
| 5 March – 14 March 2020 | The Malaysian Government expanded the travel restriction list, and began full restriction of foreign nationals coming from Italy, Iran, and South Korea on 13 March. |
| 16 March 2020         | The Prime Minister of Malaysia announced the implementation of the MCO commencing on 18 March. |
| 18 March 2020         | The first phase of the MCO came into effect until 31 March. |
| 25 March 2020         | Announcement was made on the extension of the MCO from 1 April to 14 April, namely the second phase of the MCO. |
| 10 April 2020         | Announcement was made on the extension of the MCO from 15 April to 28 April, namely the third phase of the MCO. |
| 21 April 2020         | Announcement was made on the extension of the MCO from 29 April to 12 May, and this is called the fourth phase of the MCO. |
| 1 May 2020            | Conditional MCO which allowed conditional resumption of certain businesses to ease economic losses was announced. The businesses excluded those requiring close contacts and crowding such as cinemas, entertainment centers, exhibitions and theme parks. States were given autonomy in their adoption of the conditional MCO. |

Minister’s Office of Malaysia 2020c). Learning institutions of all types at all levels were closed in addition to all government and private premises, except providers of essential services comprising energy and electricity, telecommunication, water, postal, oil and gas, fuel, finance and banking, health, firefighting, defence, transportation and logistics, defence, and food. Violators of the MCO are subject to a fine amounting to RM1000 and a maximum of 6 months imprisonment (Prime Minister’s Office of Malaysia 2020c).

The MCO triggered considerable movements prior to its implementation, with Malaysian citizens travelling back home. Such movements, together with other movements at the commencement of the MCO prior to a stricter enforcement, characterized by localized gathering at markets and vacation spots, increased the risk of Covid-19 transmission, which was linked to the upsurge of daily Covid-19 cases over the following 14 days, peaking on 26 March (Salim et al. 2020). Subsequently, the MCO saw progressively more stringent enforcement, with road blocks established across the country and the military forces mobilized to enhance MCO enforcement (Bernama 2020c). From 1 April onwards, operating hours of all businesses were limited to 8 am to 8 pm, and all citizens were confined to a 10-km travel radius while traveling for the purchase of essentials was limited to only one person at one time from each household (Bernama 2020c). Residents in locations identified as hotspots of Covid-19 underwent stricter MCO, with prohibition of permanent and temporary residents in those areas from leaving their homes and prohibition of non-residents from entering. Food was provided by the government to the affected individuals, and medical bases were set up in those areas (Prime Minister’s Office of Malaysia 2020d).

The official media have been instrumental in providing updates of the MCO and urging all individuals nationwide to stay home, minimize unnecessary travel, practice personal hygiene, and keep social distances throughout the effective period of the MCO. Stringent enforcement has resulted in improved compliance to the MCO during its second and third phases (Zolkepli and Sivanandam, 2020). The notable decrease of daily new Covid-19 cases after 14 April (Fig. 1) can very likely be attributed to improved compliance to the MCO through more stringent enforcement, in addition to continuous medical screening and tracking of suspected contacts with the Covid-19 infected individuals. The decrease is also captured by an easing gradient of the cumulative Covid-19 cases in Malaysia (Fig. 1). Reduction in active Covid-19 cases is evident since 5 April, with more infected individuals recovering than new Covid-19 cases (Fig. 1). With daily Covid-19 diagnosis showing a downtrend, more businesses are allowed to resume operation, including manufacturers of packaging and printing materials, hardware stores, laundries, barbers, and optometrists, with conditions applied (Koya 2020).
Conclusion

Malaysia has implemented multiple measures to contain the Covid-19 pandemic since January 2020, culminating in the execution of the MCO. Though doubts on effectiveness of the MCO were raised at the early stage of its implementation as mass movements persisted, strict enforcement and improved awareness of the impacts of Covid-19 have brought significant improvement in compliance, which has been deemed the main reason behind the decrease in new Covid-19 cases since mid-April. Based on the downtrends of new and active Covid-19 cases, it can be concluded that the MCO has been effective, provided that compliance to the MCO is maintained. The Malaysian experience points to compliance and cooperation of the public as essential elements for the success of interventions by the government to contain Covid-19. Nonetheless, the socioeconomic implications of such interventions require attention and proper handling.

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Compliance with ethical standards

Conflict of interest No conflicts of interest have been identified for this study.

Ethical approval This study does not require ethical approval.

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