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Editorial

Fight against COVID-19 but avoid disruption of services for other communicable diseases (CDs) and noncommunicable diseases (NCDs)

Hiroaki Mitsuya1,2,*

1 Research Institute, National Center for Global Health and Medicine, Tokyo, Japan;
2 Experimental Retrovirology Section, HIV and AIDS Malignancy Branch, National Cancer Institute, National Institutes of Health, Maryland, USA.

Abstract: COVID-19 has been a global and grave public health threat. The number of deaths from COVID-19 has already surpassed by far that of fatalities from the top three communicable diseases (CDs): human immunodeficiency virus type 1 (HIV) infection, tuberculosis, and malaria. The toll from COVID-19 is also inevitably surpassing hepatitis toll by the beginning of 2021. Moreover, it should be noted that COVID-19 has seriously impacted health services for noncommunicable diseases (NCDs), such as diabetes, hypertension, cancers, and cardiovascular diseases. The most common reasons for the disruption of health services are cancellations of scheduled treatments, a paucity in public transport and a lack of staff due to reassignment of a number of health professionals to COVID-19 works. It’s an utmost import that scientifically and practically innovative and rational ways and actions are taken, so that deaths due to the simple lack of essential services for various CDs and NCDs are prevented.

Keywords: SARS-CoV-2, COVID-19, communicable diseases (CDs), noncommunicable diseases (NCDs)

The continuing spread of the infection of SARS-CoV-2, which most likely originated in Wuhan or elsewhere in China and causes severe, acute, and often fatal disease (COVID-19), has been a global and grave public health threat. While the World Health Organization (WHO) reports that around 82% of infected individuals present mild symptoms and require little or no treatment and current estimates put the fatality rate of COVID-19 around 2.5% in all inflicted cases, much lower than in SARS, which had a global fatality rate of around 10%. However, such a huge number of people have been infected with highly contagious SARS-CoV-2 and the number of confirmed infected cases has risen to more than 76 million, and consequently, the number of deaths is to reach 1.7 million by the end of December, 2020. The number of deaths from COVID-19 has already surpassed by far that of fatalities from the top three communicable diseases (CDs): human immunodeficiency virus type 1 (HIV) infection, tuberculosis, and malaria (1,2) (Figure 1). The toll of hepatitis still continues to rise; however, the toll from COVID-19 is inevitably surpassing hepatitis toll by the beginning of 2021 (1-4) (Figure 1). These numbers reveal how grim the emergence of a new hard-to-treat and highly contagious infectious pathogen can be to mankind.

The nature of SARS-CoV-2 and what it causes in human body were virtually unknown and there were no effective vaccines or treatments for the disease at the beginning of the pandemic, which accounts for the high mortality in various cities, regions, and nations early in the pandemic. However, one can say that our learning curve on the virus and its malicious nature has been very steep and with quick accumulation of our knowledge, we have implemented the ways how to avoid infection including setting physical distancing and wearing masks and personal protective equipment. We have also quickly found that a few previously known drugs such as remdesivir and dexamethasone may mitigate the severity of COVID-19. Administration of reportedly effective vaccines has also begun at the time of this writing.

COVID-19 has gravely impacted economics and financial worldwide, but the initial financial stimuli have been effective and appears to have avoided an otherwise greatly catastrophic economic consequences in many regions and nations. However, it should be noted that COVID-19 has also seriously impacted health services for noncommunicable diseases (NCDs). A survey released by WHO in May 2020, in which 155 countries participated, reported the situations of people living with NCDs such as diabetes, hypertension, cancers, and cardiovascular diseases during the beginning of the COVID-19 calamity (5). The survey revealed that the impact of COVID-19 has been of a wide spectrum, but also low-income regions and nations have been at much greater risk of severe COVID-19-related sicknesses and deaths. Another main finding of the survey was that essential health services had been greatly disrupted in many countries (Figure 2). Fifty-three percent of
the nations surveyed reported partial or complete disruption of services for diabetes and diabetes-related complications; 49% for treatment of hypertension; 42% for cancer treatment, and 31% for the response to cardiovascular emergencies. Various screening programs (e.g., for breast and cervical cancers) had also been suspended or postponed in more than 50% of the nations (Data are from https://reliefweb.int/report/world/covid-19-significantly-impacts-health-services-noncommunicable-diseases).

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References


*Address correspondence to:
Hiroaki Mitsuya, Research Institute, National Center for Global Health and Medicine, 1-21-1 Toyama, Shinjuku-ku, Tokyo162-8655, Japan.
E-mail: hmitsuya@hosp.ncgm.go.jp

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