COVID-19 and health literacy: the yell of a silent epidemic amidst the pandemic

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SUMMARY

The emergence of a new form of Coronavirus (SARS-CoV-2) has been causing major impacts on medicine, science, politics, and society due to the high infectivity of the virus and morbidity and mortality of the disease. The critical situation experienced made the subject widely publicized so that the current pandemic also deals with an information epidemic. However, the data received and transmitted require prior critical analysis of its content, although not everyone is able to make the necessary judgment before using or sharing information, partly due to the lack of adequate health knowledge. Health literacy is a broad and important topic in public health but still globally underestimated, thus considered a silent epidemic. The exponential increase in the number of confirmed cases shows the world population’s inadequacy and difficulty in understanding basic prevention guidelines. The COVID-19 pandemic warns of gaps in the health literacy levels of the world population and exposes the need for a comprehensive mapping to identify the overall health literacy status in more countries.

KEYWORDS: Coronavirus Infections. Health Literacy. Pandemics. Betacoronavirus.

The emergence of a new form of Coronavirus (SARS-CoV-2) in China, in December 2019, has been causing major impacts on medicine, science, politics, and society due to the high infectivity of the virus and morbidity and mortality of the disease. In March 2020, the World Health Organization (WHO) officially declared the COVID-19 disease a pandemic, and since then, several countries have adopted isolation and intervention measures, although overcoming the pandemic still represents a major challenge for science. The exposed weaknesses of health services in several countries, with overcrowding of hospitals, lack of supplies, and professionals in combating the disease, sometimes contribute to the installation of social, political, and economic chaos. The catastrophic progression of COVID-19 demanded health agencies to establish rapid intervention measures to curb the spread of the disease, sometimes contribute to the installation of social, political, and economic chaos.

The critical situation experienced made the issue widely disseminated by health organizations, scientific communities, media, and the internet. However, the excess of information does not mean that these
sources invariably present content that is reliable and of quality and sometimes false and inaccurate news are broadcast, being quickly absorbed and propagated. Unlike what happened with the Black Death (14th century) and in the last century with the Spanish Flu, the current pandemic also deals with an information epidemic. Thus, the information received and transmitted requires prior critical analysis of its content, although not everyone makes the necessary judgment before sharing it, partly due to the easiness of spreading news through cell phones, tablets, and computers, and also due to the lack of adequate health literacy.

According to the WHO, health literacy is defined as the patient’s ability to obtain, process, and understand health information in order to make judgments and relevant decisions regarding their own health, in their daily lives. In a time like this of the COVID-19 pandemic, full of uncertainties, in which information is constantly changing and a rapid behavior change by the world population is required to reduce the risks of infection and spread of this disease, presenting an adequate level of health literacy has never been more important.

Health literacy is a broad and increasingly important issue in public health. It is well described in the literature that low health literacy causes difficulties in understanding the health-disease process, increases hospitalization rates and costs to health services, hinders medication adherence, impacts the quality of life, and represents a barrier to self-care. Health literacy is a globally underestimated theme, to the point that many authors consider it a silent epidemic. Historically, the impacts of low health literacy have been observed only in the long term, such as in the negative outcomes of patients with chronic non-communicable diseases that do not adhere to treatment.

With the pandemic of COVID-19, the impacts of low health literacy are being presented in the short term, and in a frightening way. The exponential increase in the number of confirmed cases evidences the world population’s inadequacy and difficulty in understanding basic prevention guidelines. The low rate of social isolation is often a reflection of this lack of understanding regarding the most diverse aspects of the disease and of the individual and collective consequences that contamination may cause.

Amidst the growing technological and informational dissemination during the COVID-19 pandemic, an inadequate level of health literacy can expose patients to misunderstanding, especially in communication networks, such as the internet, which exhibit both facts and untruths about the most various subjects. In the face of so much new data, the population suffers from excessive information and consequently has great difficulty in judging the truth of the facts. Thus, it is essential that reliable and relevant guidelines are transmitted in simple language and are easy to access so that they can be widely disseminated and executed. The media must be an ally and not an adversary in this process.

In countries with less socioeconomic development, the situation is even more serious: in Brasil, the spread of SARS-Cov-2 started in the middle and upper classes of society; however, with the advance of the spread of the virus in the lower-income segment, the impacts have been more severe, showing the uneven effects of COVID-19 in this part of the population.

Several factors make these people more vulnerable to contamination, among them the type of employment relationship, the daily need to use public transport, poor access to healthcare, low rate of social isolation, and low health literacy. In these conditions, the presence of the State, through the provision of the minimum conditions of sustenance, is essential to achieve better adherence to social isolation, thus avoiding the spread of the virus and the overload of the health systems.

It is worth noting that the structuring of health services with the increase in the number of intensive
care unit beds, the acquisition of respirators, and the availability of diagnostic tests cannot solve and contain the problem if there are no joint efforts by health professionals, political agents, researchers, and mainly the population whom, guided by reliable sources and fully understanding the dimension of the problem experienced worldwide, manages to fulfill its social role.17

The COVID-19 pandemic warns of the gaps that exist in the health literacy levels of the world population and exposes the need for a comprehensive mapping to identify the general status of health literacy in more countries, especially in those where the profile of health literacy has not yet been traced. In this sense, amplifying the discussions on this extremely relevant and under-recognized theme is essential. The improvement of literacy has been shown to be an effective strategy in health promotion, disease prevention, and control, and in situations such as the one currently experienced, which require rapid actions, representing a unique tool20.

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**Author’s Contribution**

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