Role of social media in COVID-19 pandemic

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Abstract

Background: Social media platforms are among the foremost widely used sources of data within the world, the straight forward and cheap access to the web and an outsized number of registered users in these platforms make them one among the simplest and best ways to disseminate information. During major events, the general response is typically a greater look for information be it a sports event, a disease, or a natural disaster. an honest example are often seen with the height of searches for information on the web and social media platforms in China preceding the height of incidence in COVID-19 cases by 10-14 days, with which Internet and social media networks searches have a demonstrated correlation with the incidence of disease (1, 2). Social media platforms have also become helpful for the lay public to take care of communication with friends and family to scale back isolation and tedium which are related to anxiety and long-term distress, therefore becoming a crucial recommendation for isolation reception to assist to scale back the psychological impact (3). role Aim work: Explain the of social media in COVID-19 pandemic Methods: We reviewed the previously published literature about the topic and also studies Results: we have found several effects for social media on the public will be mentioned in the following review of literature

Keywords: COVID-19, Pandemic, Social media

INTRODUCTION:

Social media platforms are among the foremost widely used sources of data within the world, the straight forward and cheap access to the web and an outsized number of registered users in these platforms make them one among the simplest and best ways to disseminate information. During major events, the general response is typically a greater look for information be it a sports event, a disease, or a natural disaster, an honest example are often seen with the height of searches for information on the web and social media platforms in China preceding the height of incidence in COVID-19 cases by 10-14 days, with which Internet and social media networks searches have a demonstrated correlation with the incidence of disease (1, 2).

Social media platforms have also become helpful for the lay public to take care of communication with friends and family to scale back isolation and tedium which are related to anxiety and long-

term distress, therefore becoming a crucial recommendation for isolation reception to assist to scale back the psychological impact (3). A number of the foremost relevant characteristics of social media platforms during this pandemic have been the rapid dissemination of protocols at regional, national, and international levels. Sharing protocols about treatment, personal protection equipment, or maybe proposals for fair allocation in scarce medical resource settings have now become the new normal (4).

Advantages of social media use:

Social media have the good advantage of rapid dissemination of educational content within the COVID-19 era, for instance, Chan et al. (6) developed an info

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graphic about airway management of patients with suspected or confirmed COVID-19. It had been shared through Twitter and WeChat, during a few days requests were received for its translation into quite ten besides languages, distribution allowed adapting the info graphic the particularities of every healthcare setting. Faster dissemination of data regarding preventive measures features a lot of potentials.

A recent study by Basch et al. (7) evaluated the 100 most viewed videos on YouTube with the word "coronavirus", these together had quite 165 million views as of March 5, 2020, 85% of them belonging to news channels; it had been found that but 1/3 of the videos mentioned the recommended prevention measures, but half mentioned the symptoms, foremost frequent however, commented on deaths, almost 90% anxiety, and the quarantine therefore status.

This study leaves us with a crucial reflection on the missed opportunities for dissemination of quality information on the prevention of contagion and frequent symptoms of COVID-19 on platforms like YouTube, which are being increasingly consulted as an information it involves publications, When studies have shown that the dissemination of scientific literature on social media (Facebook, platforms Twitter, etc.) increases the amount of downloads, queries, and citations of those articles (8-10) which, with the COVID-19 pandemic are characteristics that have undoubtedly dissemination of allowed rapid data worldwide, additionally to markedly reduced editorial times, which have gone from months of processing to days or

weeks since its reception. For this reason, before sharing medical information. Another advantage of social media platforms during the COVID-19 pandemic has been the likelihood of arranging collaborative research projects, surveys, and multi-center studies. Finally, another advantage of social media platforms is supporting continued medical education through online live and recorded webinars through platforms like YouTube, Skype, or Zoom.

Disadvantages of social media use:

Among the disadvantages, we've the likelihood that information transmitted isn't current, has not been subjected to see review, and is invalid, incorrect, not applicable to our surroundings, or maybe false. Another big obstacle for social media and therefore the dissemination of data are the "bubble filters", an idea coined by Eli Pariser in 2011 (11),which tells us a few "personalized ecosystem" towards the user, during which the algorithms through the info collected from an equivalent user, predict their preferences and yield results that are considered almost like the likes of that user. These bubbles produce a loop of comparable content that forestalls the user from seeing other different sources to contrast information (12).

This idea applies to any scenario or illness that's consulted in internet search engines or social media on platforms like Facebook Twitter. and Finally, probably the worst face of social media is that the potential to disseminate erroneous. alarmist, and exaggerated information which will cause fear, stress, depression, and anxiety in people with or without underlying psychiatric illnesses. A study by Wang et al. (13) in China, conducting a web survey with 1.210 responses, found that 53.8% respondents considered the epidemic's psychological impact as moderate or severe; even a search group created and validated a scale called "Fear of COVID-19 scale" (14) to assess the extent of stress and anxiety within the population and to determine appropriate measures to stop sequels associated, like post-traumatic stress disorder (PTSD) which was the foremost prevalent psychiatric sequelae after the Severe Acute Respiratory Syndrome (SARS) epidemic in Asia in 2003, followed by depressive disorders (15). Other more severe diseases or events like suicides have already been reported in some parts of the planet like India, Britain, Germany, and Italy (16).

Infodemic and disinformation:

By April 30, 2020, there have been quite 8,000 papers in PubMed with the word "COVID-19" (17), which tells us about the tsunami of data in but 4 months since its appearance in China; with all the eye poured into the media, avalanche of knowledge becomes unaffordable, something also called "Infodemia" (18,19). On the opposite hand, equivalent speed at an information disinformation travels. does, it's for this same reason that some authors have suggested creating working groups aimed toward fighting myths and disinformation in social media platforms (20). during this way, World Organization (WHO) developed exclusive section on its website designed for coronavirus myth-busting (21).

Connected with this same issue, the lay public gains access to preliminary and in vitro study results through newscasts practically at an equivalent time that this information is out there to the medical profession, which combined with the generalized fear of the virus and healthcare systems overwhelmed, generates pressure on patients to demand such experimental treatments for themselves or their families, doctors may feel compelled to undertake them, when there's no even high-quality evidence to support their use for these purposes.

ABBREVIATIONS

PTSD: post-traumatic stress disorder **SARS:** Severe Acute Respiratory

Syndrome

WHO: World Health Organization

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