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Globalization is among the primary factors that promote the free and increased movement of people from one place to another. Consequently, that paves the way for the easy and swift transfer of different microbial organisms between different countries. That implies that the outbreak of pandemics is inevitable at any point time. Therefore, a particular outbreak in a certain location is not only a local concern but a global problem and especially for the entire public health community. Of great interest is the occurrence of an outbreak of highly communicable diseases such as the H5N1 flu that is popularly known as the bird flu and tuberculosis among many other infectious diseases. The purpose of this paper is to discuss the way in which knowledge of the course objectives can assist a public health professional make recommendations to an organization that wants to develop a program to prepare for a possible global pandemic.

DISCUSSION

A program that seeks to reduce the spreading of a possible epidemic should incorporate the practice of regular and proper community hygiene such as hand washing. Medical professionals should also exercise hospital infection control. Research has shown that a significant percentage of the incidences of SARS occur as a consequence of the lack of proper hygiene and the exercise of caution while handling masks. Most people contracted the virus from their masks while using their hands and later forgot to wash their hands before rubbing their noses. Thus, it is necessary that the program entails a thorough creation of awareness and training on the importance of hygiene especially while handling protective garments.

Besides the above measures, the use of therapeutic interventions is also vital. Most scientists encourage the use of vaccines while a small percentage of healthcare professionals also argue that antiviral medications such as neuraminidase inhibitors are helpful. The ultimate aim of such medication is to reduce the morbidity and the number of cases of death that result from a pandemic. The use of medical solution is, however, challenging due to various factors such as the lack of reliability when it comes to the manufacture of vaccines in the public and private sectors. Thus, the most appropriate way to prepare for a pandemic is to raise the standard level of periodical countermeasures.

The use of a combination of public health countermeasures including innocuous strategies and restrictive policies might also assist in the preparation for a disease outbreak. Although there is scarce evidence concerning the effectiveness of strategies such as traveling restrictions, quarantine, case isolation, and disease surveillance, scholars suggest that these measures help reduce the pace at which the disease spread. That is an advantage especially for the organization because it gives the medical experts some time to invent new medical solutions and also to prevent the increase in the number of infected patients who might eventually overwhelm the health-care institutions.

Other methods that can be used to prepare for a pandemic includes the closing of workplaces or crowded institutions of learning as well as either the reduction of social mix or the increasing of social distances. Nevertheless, some of these strategies may pose various challenges and many scientists still suggest valid arguments as to the effectiveness of those methods of curbing the disease.

CONCLUSION

The above discussion has shown that a program that is meant to prepare for a possible pandemic should incorporate a multiple approach model. The aim of such a program is to reduce the rate of the spreading of the disease, mitigate the effects and create time for the creation of effective medication interventions. Some of the recommendations made include the exercise of hygiene and hospital infection control, medical interventions such as vaccines, public health countermeasure strategies, such as isolation, quarantine or traveling restrictions among other methods.