

COVID19 - Vaccination and Public Health

Sravni Subrahmanian*

Department of Medicine, Jawaharlal
Nehru Technological University, India

Abstract

Of the numerous things that COVID-19 has created extravagantly clear, certainly one amongst them may be a new realization that public health has become progressively advanced. While understanding the challenges to public health it is observed that COVID-19 has remodeled public health preparation and is viewed and understood. Some say the pandemic has delivered associate degree urgency for a reimagining of public health. From issues in manufacturing PPE that demonstrate the vulnerabilities in important offer chains to solutions in vaccine distribution challenges that leverage innovative public-private partnerships, new views and approaches to public health area unit necessary. A way to accomplish this: victimization health care engineering, or additional specifically, the applying of systems engineering in health care. Systems engineering is outlined as associate degree knowledge domain approach and means that to alter the conclusion of winning systems. These might embody such advanced systems as craft and artificial satellite systems. Counsel challenges like patient safety might be created higher by applying systems engineering principles and techniques through additional holistic and humanitarian approaches to systems style.

Keywords: COVID-19, Public health, Organizations, Victimization

*Corresponding author:

Sravni Subrahmanian

Department of Medicine, Jawaharlal Nehru
Technological University, India

✉ subsravni006@gmail.com

Citation: Subrahmanian S. COVID19-
Vaccination and Public Health. J Prev Med
Vol. 6 Iss No.1: 74

Received: January 07, 2021, **Accepted:** January 22, 2021, **Published:** January 29, 2021

Introduction

These efforts have evidenced useful to health healthcare delivery in response to COVID-19. However additional is needed, significantly within the use of systems engineering in informing public health responses and interventions. A field of public health systems engineering is required. Its intent to develop and apply general and integrated approaches to understanding and resolution public health issues is needed. Formalizing a field of public health systems engineering centered on health care at the population level offers the required analysis instructional and academic pathways to advance this work. Developing personal protecting instrumentality, repairing the vulnerabilities within the food offer chain, and grappling with vaccine supplying is must. COVID-19 has created clear interconnected, knowledge domain and varied nature of public health's future. In partnering with public health, systems engineering will mature mindsets (systems thinking) and practices which will aid in meeting this future.

And it's not simply technical or technological considerations. Human systems integration or human factors concerns area unit equally central in systems engineering approaches. Public health systems engineering might advance efforts to develop additional practices. These additional comprehensive practices would take into account historical context and support additional community-led public health style engagements. COVID-19 has usually been referred to as a check for public health. COVID-19 won't be our last or worst pandemic; our rising understanding of the general public health implications of temperature change any spotlights this growing want. "What is true for COVID is true for temperature change". "We're not ready and a part of the gap may be a data gap: we tend to haven't done the required analysis, and that we lack important info". As the way forward for public health is probably going to become progressively digital, the technical understanding and holistic approach offered by systems engineering can begin to fill this important public health data gap.

As luck would have it, efforts are unit rising in meeting these wants. The time is ripe for evolving the sector of public health systems engineering. It's one thing the U.S. public health system urgently wants. Authorities hope to allow shots to three hundred million folks. The recipients embody thirty million doctors, nurses and alternative front-line employees. 3 medical specialty specialists from the University of Pennsylvania say that public health organizations ought to think about using on-line platforms to urge correct info intent on the general public. Because the world grapples with the COVID-19 pandemic, the dissemination of correct health info has never been additional vital. It has conjointly never been tougher, with folks progressively obtaining their info from social media platforms on that accuracy is by no means that assured. It's continuously been the case, state the authors, that delivery of medical info to the general public has used the foremost fashionable media of its time.

In the last decade, we've got progressively been receiving info on-line. This trend has solely accelerated throughout lockdowns, once folk's area unit less possible to pay time with others and share and assess info with them. In their essay, they conjointly note that the politicization and frequent characterization of correct medical info as "fake news" makes distinctive credible info even tougher.

The deliberate distribution of information by foreign government entities is, they write, for the aim of sowing confusion and promoting chaos. Some organizations have taken measures to combat information. The planet Health Organization (WHO), for instance, have partnered with social platforms, together with Facebook and Twitter, to flag questionable content.