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Intervention of health system in patient care delivery during COVID 19 Crisis: Lessons from the World

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Health systems have to prepare for future and have to take advantage of learning's from the Intervention of health system in Patient care delivery during COVID 19 to become resilient well beyond this covid 19 crisis.

Vietnam - implemented 'digital hospital services' to provide remote service, and facilitate remote health and examination. Liberia - government worked with Last Mile Health to augment the National Community Health Assistant Program by providing training to CHWs to ensure continuity of primary care services and reduce transmission from known cases. Canada Ontario Health has implemented regional plans to restart elective surgery with sites varied according to the local COVID prevalence and hospital preparedness Niagara Health network used Microsoft tools to facilitate virtual patient communication and remote staff communication. In UK – NHS integrated care systems across the country at regional levels to ensure adequate primary critical end cancer care. NHS UK Nightingale Hospital in London proposed a unique clinical model by increasing the ratio of ICU nurse to the patient including lay members of the public who had received training as a clinical support worker. In Australia - PPP in elective care thereby improving operational efficiency and patient flow in remote areas. Finland - Helsinki University hospital incorporated data sharing combining the medical and digital healthcare to operate as a virtual hospital. Rural-telehealth, Brain-index in Latin America. In North Carolina, Mental health patients who weren't able to access was given free smart phones. In Georgia, The THRIVE bus was used to deliver behavioural healthcare to

families. In Wisconsin, a Research, Innovation, Community Corps team was created. Some AI-based approaches that emerged during the 1970s assisted in the interpretation of diseases, electrocardiography, the choice of an appropriate treatment and helped clinicians generate hypothesis about complex diseases. The Covid-19 smart management system utilized the data from sources such as credit cards, security camera records, global positioning system data from cars, or cell phones to effectively trace the movement of individuals with Covid-19 and their contacts in South Korea. AI- based technologies are helping better understand the transmission pattern of severe acute respiratory syndrome- coronavirus-2 (SARS- CoV-2), assisting in development of novel diagnostics and effective therapeutic approaches, proposing candidate drug molecules by screening millions of compounds, fostering vaccines in a time efficient and reliable manner.

Speaker Biography

Manpreet Kaur, Configuration Analyst, Evolent Health International, 2nd Runner up for paper presentation on "Emerging trends of Artificial Intelligence In Healthcare" at HOSPICON 2020. Winner for paper presentation at Aditya Birla Memorial Hospital. (6th National Conference on Quality Improvement and Patient Safety, July 2018) Winner for paper presentation at Sancheti Hospital(HOSPICON -2019 ; Challenges In Health Care Administration. Group presenter for International B- Plan competition organised by prestigious Indian Institute of Management, Kozhikode. Co-author and poster presenter for " Assessing the quality and safety of home health care services" at (Symhealth 2019, National Conference on Interdisciplinary Approach to health care).

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