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Learning of Health Care Management during Covid19 from doctor administrators perspective A Viewpoint

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Abstract:

Covid-19 pandemic created a multitude of acute challenges for health care delivery systems, including inadequate infrastructure and special logistics, supply shortages, the need for care redesign, and financial loss. Complexity science views health care delivery ystems as complex adaptive systems that operate in highly complex and unpredictable environments. The perspective assumes that much of ystemal life is unknowable, uncertain, or unpredictable and thus cannot be standardized and controlled.A surprise event can be characterized in three dimensions: the complexity of its source, the speed of its spread, and the unpredictability of its scale and impact.1 The Covid-19 pandemic is a powerful reminder that we live in a highly complex and unpredictable world. For health care delivery ystems, systematic responses to the pandemic have required departures from many conventional practices. The Covid-19 pandemic has presented an array of novel and acute challenges, from managing the supply chain for personal protective equipment (PPE) to adjusting workforce infrastructure and special logistics to coping with financial loss. In the midst of these challenges lies an opportunity for health care leaders to better position and transform their ystems for a future of unpredictable surprise.

Key Challenges for Health Care Delivery Ystems Infrastructure, special logistics, special training for staffs, management of support staffs Massive social and economic loss d/t continued blockades H.C. Delivery system is highly complex and unpredictable Special need for medicines, unavailability of proper PPE KITS,UNKNOWN COURSE AND DISEASE

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Covid-19 pandemic created a multitude of acute challenges for health care delivery systems, including inadequate infrastructure and special logistics, supply shortages, the need for care redesign, and financial loss. Complexity science views health care delivery systems as complex adaptive ssystems that operate in highly complex and unpredictable environments. The perspective assumes that much of systemal life is unknowable, uncertain, or unpredictable and thus cannot be standardized and controlled.A surprise event can be characterized in three dimensions: the complexity of its source, the speed of its spread, and the unpredictability of its scale and impact.1 The Covid-19 pandemic is a powerful reminder that we live in a highly complex and unpredictable world. For health care delivery systems, ssystematic responses to the pandemic have required departures from many conventional practices. The Covid-19 pandemic has presented an array of novel and acute challenges, from managing the supply chain for personal protective equipment (PPE) to adjusting workforce infrastructure and special logistics to coping with financial loss. In the midst of these challenges lies an opportunity for health care leaders to better position and transform their systems for a future of unpredictable surprise.

Health care delivery systems have faced a myriad of important management challenges during the Covid-19 pandemic. Some of the challenges are idiosyncratic to the individual system; others, however, are broadly faced by almost every health care delivery system and are likely to be faced in any major disaster. The first key challenge is the lack of adequate infrastructure and special logistics to handle the surging patient volume. In many places, the need for intensive care unit (ICU) beds and ventilators as well as staffing far exceeds the maximum infrastructure and special logistics.

A second challenge is the need for customized salutogenic health care models for patients. Given the highly contagious nature and severity of the infection, it is necessary for physicians, nurses, and other clinicians to discover the appropriate care model with health ppropriate behaviours. Moreover staff scarcity and shortage due to existent health ratio and compounded with sickness due to covid makes situation more dwindling. Appropriate newly formulated stopgap recruitment and retention policies need to be implemented.

Corresponding Author: Dr.Nilanjana Ghosh Assistant Professor, AIIMS Guwahati A related challenge is protecting the physical and mental health of frontline staff. Hospitals and clinics have to ensure an adequate supply of PPE for their staff. In addition to the risk of contracting the virus, frontline staff have to cope with tremendous mental stress, which some may find unbearable.4 There have been anecdotal reports of frontline staff dying by suicide.

Another challenge for hospitals and clinics during this pandemic is the financial loss due to the cancellation of elective procedures and the disruption of routine care, particularly for hospitals already in financial difficulty.5 To manage infrastructure and special logistics, financial loss, and care redesign, health care systems have made the critical decision to release or reduce workforce or to shift many employees to remote work, including clinicians working with telehealth technologies. Rightsizing and retraining workers is difficult in normal times and is even more difficult when changes need to be implemented expeditiously.

These four challenges are likely to arise again in any future surprise event. Whether the event is a natural disaster, terrorism, or a pandemic, health care delivery systems will be challenged to suddenly adjust infrastructure and special logistics, redesign care, manage financial loss, and redeploy staff.

Multistakeholder engagements and community participation needed to play a pivotal role. Ignorance led to fear and opening of covid care centres with round the clock helplines to address their queries and allay fears were set up. Oxygen plants and district administration worked hand in hand to resolve the attached stigma.

Hospitals, health systems, and medical practices, as these systems are comprised of highly interdependent, heterogeneous, dynamic, and interacting agents and units. These set ups have an interplay which also change over time but the essence of patient driven care remains same. From opening of quarantine centres to home isolations to testing kiosks to home tests and leaves for covid related sickness, sudden myocardial deaths in young to migration of migrants and corollary health data dwindling the times were tough.

Yet health care administrators managed it all with limited resources. Sensemaking is the process by which people give meaning to their collective experiences: "the ongoing retrospective development of plausible images that rationalize what people are doing."8 This term came anew with development of newer protocols, capacity building of staffs, setting up of newer infrastructure, redesigning the old alongside pooling of covid related wards and patients away from the main hospital. Opening of Screening clinics with fully functional independent set up saved the mayhem. Re-deployment of nurses to multidisciplinary teams all was done and administrators were both doctors as well as liasoning with the government officials and political bureaucracy.

During the Covid-19 crisis, health care systems that have emphasized communication, connection, and innovation have effectively addressed the challenges to adjust infrastructure and special logistics, redesign care models, redeploy staff, and overcome financial loss.Health care systems, particularly those that have entered the recovery and rebuild stage, can use the Covid-19 pandemic as an opportunity to transform into more agile and resilient learning ssystems.

However digital illiteracy and ignorance alongside poverty leading to inaccessibility of mobile phones in remote peripheries was a challenge as Indias three tier health care delivery system was entirely functional in physical mode . Sudden advent of online service delivery created an intiial jeopardy.

Specifically speaking about rural medical college located in a periphery away from the main city has its own constraints and set back. Distance from main city, transport closed, any logistics and information reaching late, local people entirely dependent on the college, less resources, so if few covid affected huge burden on others. Among the benefits counted are unanimous decision, strong leadership, team work, every set up working autonomously yet in coordination, easy as we all knew one for each other, implementing preventive health interventions and other laws easier, district working in close coordination, telemedicine developed Regarding another college located in heart of the city in far North Esat- The entire college was transformed into COVID Hospital with redesigning of blocks, fitting oxygen plant, creating ICUS, huge staff deployment for the cause, working 24*7, catering all patients coming along with running regular activity, regular meetings with district and state, creating dedicated triaging to identify and treat the cause, preventive interventions running. However being centrally located burden of expectations and constant monitoring grom centre was a challenge to put up. COVID created fear and stigma mong generl people hence handling patenst, staffs, media was an issue.Exemplary leadership skills, team work, dedication, liaso helped tide over the crisis

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