CHANGING THE PARADIGM OF HEALTHCARE AFTER COVID-19- A NARRATIVE REVIEW

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ABSTRACT: The COVID-19 pandemic have changed the worldview of healthcare paradigm; we need to review the measures taken by multiple healthcare fields in response to this Virus, for this Studies and guidelines related to the Changing the Paradigm of healthcare post COVID-19 setting were reviewed. There are total 134 research papers from databases such as PubMed, WHO NCBI, Springer, Google Scholar, clinical related data set, Field Epidemiology and Disease Surveillance Division (FEDSD), National Institute of Health (NIH), were review and it is concluded that Healthcare paradigm has is required to be transformed after COVID-19 by adding new technological advancement in all branches of medicinal services, for this local healthcare system must be powerful to 'paddle' an emergency relief. This paper looks at the latest evidence and provides recommendations for improvements to the health care system to minimize the effects of the COVID-19 epidemic and improve Public health.

Keywords: Covid-19, Healthcare Paradigm, Medicinal services, Public health, Pandemic.

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INTRODUCTION

Such torment (e.g., H1N1, H5N1, avian, measles, Ebola, SARS, Zika, Nipah) plagued India and various nations until they were successfully investigated (Mathur R et al., 2020). The rise of novel human microbes and reappearance of a few maladies are of specific concern (Mourtad et al., 2019). A tale humanoid coronavirus at first alluded to as the coronavirus (CoV) of Wuhan, right now assigned by means of serious intense respirational disorder (SARS)- CoV-2, is answerable for the most recent epidemic that is influencing humanoid wellbeing and frugality over the world (Prasads et al., 2020). In view of its widespread spread, the WHO declared COVID-19 to be a public health emergency on 30 January 2020, a Chinese episode that is a significant risk to nations with fragile systems of healthcare. As indicated by the COVID-19 update on the WHO Circulation Report (14 May 2020), over 42, 48,389 cases were reported and 94,046 were overall disclosed. India has reduced the propagation of the infection to a limited degree by imposing lock-downs in India. However, the overall number of cases recorded cross 78,000 cases with some 2,500 cases passed (Bhanushali et al., 2020).

With SARS-CoV-2 unrestricted transmission, the possibility for social insurance companies to get infected is growing and carriers of the disease can be expected. The Dental Services Faculty (DHCP) is graded as being particularly high-introduction risks, as the dentists operate closely with the oral pit. The global coronavirus pandemic is proving to be a significant moment of reality for the worldwide health systems. This has highlighted vulnerabilities and deficiencies in some ways essential resource shortages, underinvestment in public health services, lack of coordination and versatility among politicians, policy-makers, and health care leaders which has resulted in overloaded health systems, rapid case development, and high mortality. Healthcare paradigm have need to be transform after covid-19 by adding new advancement and technology method of surgical research, surgical practice, global scientific research, COVID-19 alleyways for cerebrum and cardiac damage in comorbidity individuals: A job of medical diagnosis and computerized reasoning centered COVID seriousness order oncology treatment, and in all branches of medicinal services (Suri Js et al., 2020).

Need for a novel health system: The worldwide embraced measures in healthcare system to battle such catastrophe of Covid-19 has caused extreme subverting of the monetary, social, and the current way of life of the entire humankind. The WHO considers environmental change to be "the best danger to worldwide wellbeing in the 21st century". Human-initiated environmental change is as of now affecting the wellbeing of millions and testing wellbeing frameworks around the world. We are remaining at an articulation point, with mechanical advancement in various regions producing novel plans to settle perhaps the greatest test in our lives today. (Morriszs et al., 2011) The Future Health Community requires an activity to animate a worldview change in medical care by misusing the most developed detecting, registering, and correspondence advances to empower.
great clinical consideration and administrations in the system of the Internet-of Humans. Backing for Future Health will empower the paradigm of healthcare wellbeing framework to broaden and build its logical greatness and seriousness, driven forward by the making of a financially savvy, supportable, evenhanded heath care framework (McCulloch. P et al., 2013)

**Aim of the work:** Based on these facts following are the aims of this paper:

- A comprehensive health strategy must embody a health development protection approach and approach, and address causes and determinants of upstream health in order to help communities mitigate their risk and improve their population's natural immunity.
- To meet community needs and desires, such preventive health interventions need to be tailored to state and local communities and local health services need to be strengthened.
- The current crisis requires paradigm shifts in public and global health policies and in the relations between local, national and global health policies and systems.

This paper looks at the latest evidence and provides recommendations for improvements to the health care system to minimize the effects of the COVID-19 epidemic.

**MATERIALS and METHODS**

An analysis of the literature was undertaken by means of PubMed and Google study and by way of a regular evaluation of the Ministry of National Health Control websites, coordinating facilities (Covid-19 dashboard) and the National Institute (NIH). Refer to figure 2. There has been a total of 134 reports, no additional sources, other then scientific databases) contributed during search. In view of the ever-changing literature and recent nature of the COVID-19 outbreak, journal evidence that has been approved for publication is included in the sources cited. Figure 1 is exhibiting that major research has been carried out in this particular area during the span of 2019 – 2020.

**Inclusion Criteria of Papers**

- Studies published in telehealth and changing in paradigm of healthcare after COVID-19 in English.
- Articles on journals and congresses Published from 2019 to date.
- Studies to have potential answers to title and abstract research questions.

**Exclusion Criteria of Papers**

- Research which were not written in English.
- Not written until 2019, newspaper papers and conference proceedings.
- Delete duplicate/similar studies with the new and most detailed edition.
- Studies which have no practical, theoretical, testing or statistical proof.

![Fig.1: Scatter plot of publication from October 2018 to January 2020 of databases.](image)

**Identification of studies:**

![Fig.2: PRISMA flowchart for the search method of literature review.](image)
DISCUSSION

COVID-19 has brought attention to the shortcomings inside our human services frameworks, and we dread that the effect on weak populaces will be durable. The COVID-19 epidemic has hit us flat footed. The requirement to battle the infection has been dire and comprehensive and, therefore, clinical spotlight has been to a great extent fixated on the infection, bringing about the redeployment and prioritization of assets (Ergina et al., 2013). Social insurance frameworks over the world have been endeavoring to contain the effect on individuals, and accessible assets in numerous nations have been lacking. Prior to this pandemic hit, nations in Europe, Latin America, Asia, were managing the noteworthy test of conveying care for patients with genuine, non-transferable ailments, we despite everything are. The effect on patients of such ailments doesn’t scatter in accordance with our pull together on COVID-19, anyway squeezing that might be (Cook JA et al., 2013).

Shift in healthcare paradigm: The COVID-19 Pandemic led to unprecedented, largely ‘emergency’ and frequently reactionary global interference. Health workers are at risk from the creation of consequences for physical and mental health due to their role in the provision of COVID-19 treatment to patients in each hospital sector. The current crisis involves paradigm shifts in public and global health policies as well as connections between local, national and global health policies and systems. Adequate provision and instruction for the use of personal protective equipment, stringent infection prevention procedures, shorter shift durations, mental and physical health provision and support. The effects of possible (SARS)-CoV-2 transmission in a clinically dependent environment must be understood by medical professionals. Therefore, all new information about this disease must be kept updated. New approaches like telehealth can help doctors help patients without the possibility of cross-infection.

Modernizing the Surgical Science Paradigm: The conventional paradigm for careful examination ordinarily includes creating gradual enhancements in medical results moreover through the improvement of existing methodologies, or through the presentation of novel procedures. In numerous cases, this asset expending procedure may not create a concurred end nor be broadly embraced inside routine practice. Careful exploration is totally important throughout an epidemic to manage careful intervention throughout the pandemic, to get ready careful administrations for after the pandemic, and the following phases of medicinal services recuperation (Bedford j et al., 2020). We should be perceptive of the particular difficulties that falsehood in the future and the systems that we should advocate so we may defeat them (Lipstich et al., 2020). Study in a time of disaster should also address gadget huge demanding situations. First, like another carrier it calls for effective management with an understanding and manage organization. This has been unusually inattentive, and it’s far now vital that worldwide funds bodies and our expert links select up the ball and proceeds the initiative (Kumar D et al., 2020). We instantly call for perfect significances and setups around which scientific studies may be synchronized. Period stays a full-size restricting element in this epidemic, in particular since of the velocity of transmission which has stuck many administrations and healthcare carriers off defend (Spinellia et al., 2020). Similarly, Medical teachers’ faces can supplier requirements which impose restricted bandwidth to investigate. Certain trials are probable, but not many and an international crisis of this importance can be unreliable in the research networks and structures, and patient responses to each operation may vary considerably. Confuses may therefore have a significant impact on virulent disease effects (Gautret P et al., 2020). In some phases of crisis, however, many research boundaries also collapse that encourage broad collaborations at global level within and among units. The data of medical remedies: preventive strategies (Hellewell J et al., 2020) and vaccination studies was available during the COVID-19 pandemic. Surgeons now desperately need the same strategy if we are to improve surgical pathology care and protect our personnel. However, even in cases of crisis control, it is necessary to produce strong pictures between (Zhang Q et al., 2020) rapid dissemination and strong medical techniques. It must also be communicated and synthesized as soon as possible. Numerous journals have changed eBook technology, along with Annals of Surgery, in order to gain information and to establish new mode of content delivery.

Surgical Researcher’s ethos: The ethos of surgical science could change during an outbreak. In order to obtain more know-how with adequate enhancement steps, rapid dissemination and empirical implementation, the conventional clinical study paradigm and peer guide need to rapidly adjust to the fast-moving step of the disease.

Coronavirus (COVID-19) Pandemic Effects on Surgical Practice: Following various instances of pneumonia of obscure, The Hubei Province of China Source was classified as an RNA infection that triggers ‘Coronavirus Disease’ (COVID-19) and as a consequence of the Extreme Acute Coronavirus-type 2 Respiratory Syndrome in China. This contagion spread rapidly across the world and on 11 March 2020, the World Health Organization (WHO) announced a pandemic late. This was confirmed (Solhrabi C et al., 2020) that affecting numerous segments just as prompting worldwide financial ramifications. The effect of COVID-19 on careful practice is across the board going from workforce and shortages on help, procedural prioritization, and viral.
transmission chance intraoperative just as effect on careful instruction (Nicola M et al., 2020). During COVID-19 and the early clinical stage has been (Kurihara H et al., 2020) established as a written framework for certain fundamental factors associated with the treatment of these patients, there is a lack in evidence of the impact this pandemic may have on careful practice. Both Brindle and (Guanwj et al., 2019) the COVID Surg Collaborative (Mary b et al., 2020) have identified main areas where practice can be adapted to ensure healthy, worldwide treatment during the COVID-19 pandemic. The following are:

1. The development of a careful pandemic reaction strategy to counter this rapidly changing situation, which involves halting election operations, recasting workplaces as essential areas and an employable workflow.
2. Develop a group-based arrangement that offers careful assistance during the pandemic during a basic crisis.
3. Training workers on near-home security (PPE) hardware and COVID-19 administration to safely transmit medical care during a pandemic.
4. Definition and control of COVID-19 diseases thus reducing the number of medical workers.
5. Build an engaged COVID-19 workspace as a key element of a more extensive clinical emergency response.

This article tries to audit the recent proof and offers proposals for training in the execution of these regions. There are various contemplations concerning the prioritization of careful administrations and conveyance of careful practice.

Modification of surgical systems and Usage of surgical facilities: There is no contrast to that of other European countries in the availability of essential beds. A contrast of Germany and the for example United Kingdom shows a difference from 31.8 per 100,000 inhabitants in terms of bed number in the Intensive Care Unit (ICU) (Ferguson et al., 2020). In addition, the Imperial College Response Team COVID-19 forecasts suggest a demand for critical treatment bed of more than 30 times the potential of Great Britain (Ziser et al., 1998). Thus, in anticipation of increased COVID-19 cases the hospitals of the British National Health Service (NHS) have been restructured for chronically ill patients. To date 33,000 hospitals have been cleared. Beds and a private sector supply of 1,200 fans (Tabernero et al., 2013). Elective or other regular operations, Cancelation or postponement of admission to ORs and recovery rooms as essential healthcare facilities (Baral et al., 2021), using a theoretical paradigm developed for a commercial team, COVID (Descoteaux J et al., 1996).

Changed Oncological Paradigms of Pandemics COVID-19: The COVID-19 epidemic has constrained the oncology network to rapidly reevaluate besides adjust standard-of-care rehearses with an end goal to limit danger of COVID-explicit disease related grimmness in malignancy patients. Recently delivered examination affirms profound worries that patients with malignant growth experiencing dynamic cure, (LouE et al., 2020). Doctors and care groups serving patients with malignant growth have needed to settle on otherwise if nothing else think about troublesome choices, this involves how the risk-based treatment of diseases can best be modified with the and increasingly evolving hazards linked to COVID-19 infection and the wide spectrum of possible successes of this disease (Kwak et al., 2016). This is particularly relevant in gastrointestinal (GI) patients with malignant development, where different disease substances that require multi-speciality information and board data are particularly extensive arrangements. In addition to significant postponements in the treatment of diseases, the CRC test also decreased to 86% to 94% (Tao K et al., 2020). No chemotherapy-based preparation procedures can be tested and therefore better incorporated into a preliminary clinical framework, despite the licensed blood and tissue-based biomarkers. In all instances, neo adjuvant chemotherapy would not harm patients until a more effective opportunity to conduct medical operations is obtained and differentiate among those patients in whom the risk / benefit ratio is advantageous not to postpone medical treatment due to an innate risk of fast tumor growth (Gonzalez Bonilla et al., 2020).

As a part of an objective to-treat scheme, multiple malignant growth-related medical procedures are required; this test balances depression and scheduling that would currently be most optimal for patients and yet maintain social insurance employees' welfare (Zheng M et al., 2020). Given the strong possibility that the current COVID-19 disease flood will not come to an end in the next few months and years, this is a concern to be discussed and answered in the short term. So, we should think imaginatively and proactively, in view of these variables using accessible knowledge, to deal with and rethink levelheaded structures for standard care and, moreover, for clinical plans (Kimming R et al., 2020).

In spite of the fact that the COVID-19 epidemic has been pushed on the clinical oncology network very soon, we can set aside the effort to consider the most ideal approach to help our present patients and deal with their cure securely, while likewise thinking about cautiously how we can serve them considerably more viably later on (Mowbray et al., 2020).

Laparoscopy/Endoscopy: During laparoscopy, the possibility of SARS-CoV-2 transmission is hypothetical because it has been utilized in airborne systems that discern various infections with careful smoke (Lacobucci G et al., 2020). Furthermore, advised that the use of
falsified pneumoperitoneum should be avoided because in patients with decreased pulmonary volume, increased air pressure, maintenance of CO2 and reduced pulmonary integrity (Ferguson et al., 2002). Report their encounters of insignificantly obtrusive medical procedure in China and Italy and suggest utilizing negligibly practical insufflation weights (Schwartz A.M et al., 2020) and liberal intraperitoneal attractions use just as to limit utilization of the Trendelenburg position to additionally limit the danger of aspiratory difficulties of the pneumoperitoneum. The Royal Surgical Colleges of Britain also call for the laparoscopy to be performed only in selected situations in which the risk of the viral transmission to caring staff could very well be clinically encouraged (Dexter F et al., 2020).

Introduction points are suggested by the Society of American Gastrointestinal and Endoscopic Surgeons to reduce spills as little as conceivable, insufflation pressures are maintained at their base and smoke clearing frames should be employed, and CO2 insufflation must be killed and expelled in a channel before examples, trocars or port expulsions.

Procedural considerations: The episode of COVID-19 also demanded careful re-use and reconfiguration of employee’s worldwide (Bampoes et al., 2020). In close proximity to urgent clinics, NHS England for instance has taught the suspension of all unnecessary elective medical procedures for any period of 3 months to release all medicinally fit patients. The limits of general (Matricardi P et al., 2020) and intensive beds are projected to rise from 100,000 to 130,000 in England. Certainly, COVID-19 Answer Team of Imperial College anticipated an 8-times overpowered basic consideration framework despite the most extreme defensive measures (for example case separation, home isolate, and social removing of over 70s). The UK administration is thus taking other measures to increase the limit, such as the provision of up to 8000 beds from free medical hospitals and the construction of different fields emergency clinics fit for lodging up to 4,000 beds each (Al-Balas et al., 2020). The principal careful need of social insurance frameworks is the upkeep of crisis abilities, including significant injury (Cheny et al., 2020).

Protection and maintenance are essential for the continuity of crisis management arrangements. The ideas for the expert’s ideal assurance can be divided into five spaces: (1) use of the PPE, (2) Pre-usable dangers, for example, during intubation, (3) explicit usable hazard issues, (4) post-usable dangers, and (5) guarding others.

RESULT

Staff allocation: Considering the large number of foreseen patients, who were profoundly ill, there was also a need to increase the amount of adequately trained nursing staff to care about these patients. The NHS has circulated its rules with recommendations on patient care schemes and the organization of clinical workers to meet the specific considers of abundance limit. The RCS has identified different needs for the careful adjustment of its employees Other non-COVID crisis medical procedures with diligent personnel and technical assistance in remote collaboration from specialists to traditional specialist and technical ambulatory centers to restrict implementation are of critical importance. The optional requirement is to ensure and secure the cautious workers through the reasonable use of the EPI, near enough rest and mental assistance where possible. Satisfying trading of cautious and sloppy workers has been reduced. Present functional use, "on the edge" and "over the edge" trainings of the different specialists can be separated in (Fig.3).

![Guideline to use Personal Protective Equipment (PPE) during the COVID-19 pandemic](image-url)

**Fig.3:** Guideline to use Personal Protective Equipment (PPE) during the COVID-19 pandemic (Public Health England., 2020).
For careful team who need to work past their capabilities, the RCS has suggested that their all-encompassing extent of training ought to rely upon the particular nearby needs recognized. The suggestions accentuate the requirement for suitable preparing, backing and joint effort with properly prepared associates to permit most ideal patient consideration. Similar suggestions apply for resigned specialists and learners who briefly come back to rehearse. A methodology to limit the danger of obtaining COVID-19 disease while dealing with the basic consideration of patients is to revamp the careful group into two gatherings. One that is dynamic inside clinics and one that works distantly in disconnection, the two gatherings substituting with one another at 2-week spans. This will guarantee that any side effects are distinguished inside the hatching time of COVID-19.

**Individual defensive equipment:** There are four distinct transmission methods for infection with COVID-19: touch, pin, airborne and faeco-oral. Along these lines, warning bodies have recommended the use of the PEP for any phase involving a patient with COVID-19 contamination, such as the US Center for Disease Control (CDC) as well as the UK Public Health (PHE). A more important degree of certainty is being added to the technique using a vaporized generation approach (e.g., intubation and extubation), such as the N95, which emphasize more fitness testing (Fig. 4).

**Intra-employable dangers:** There are various estimates that must be embraced to ensure fundamental individuals from the working group during an activity.

Besides, careful professionals should consider any needle stick wounds or harm to PPE during the methodology. PHE have likewise proposed utilizing notable conventions for irresistible patients experiencing surgeries and altering for those uncertain of experiencing COVID-19 to include

- During the transfer to and from the OR put careful voile on the patient.
- Anesthetization and recuperative patients in the OR compared to a sedative bed. This should also be considered for workers with FFP3 respirators and complete facilities, if vaporized treatment is used (e.g., intubation of AGPs).
- Surgical tools for purification in the normal technique.
- Personnel should be reduced to the required base with no superfluous guests.
- To bring all procedures to an end with run dawn, if possible, in patients with affirmed or associated COVID-19.

**A Post-COVID Paradigm Shift in Outpatient Care:**

Based on early pointers, the two clinicians and patients see clear advantages emerging from new paradigms of care, particularly in the current condition. In the US, quiet enthusiasm for advanced stages is amazingly high—for example, notices of “telehealth” in web-based life and news reports expanded fundamentally in March. (See Figure 4) The pandemic has additionally empowered virtual suppliers to arrive at new socioeconomics, for example, those more seasoned than age 60. A key advantage for clinicians is fewer introductions to contamination—which is particularly basic as the COVID-19 emergency proceeds. Additionally, the decrease in movement to the workplace permits clinicians to utilize their time.

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![Exhibit 1](image_url)

**Fig.4:** Telehealth mentions in social media and news reports rose sharply in the US (Ben Horner et al., 2020).
**The Elements of the new Paradigm:** Looking across world-driving associations, we have recognized six need switches that wellbeing frameworks can apply so as to change to an in a general sense diverse worldview of outpatient care conveyance, for a wide range of outpatient experiences. A few switches are explicit to beginning determination or interminable infection the board, while others are appropriate to different consideration pathways. (See Figure 5) Applied in blend, the switches could improve efficiency by as much as 30% to 40% while keeping up quality and results.

![Fig.5: Six levers in the new paradigm improve outpatient department productivity by 30% to 40% (Ben Horner et al., 2020).](image)

**Essential Care Advisory Service:** This is a live informing administration that permits essential consideration practices to send questions about patients to masters and get proposals accordingly.

**Organized Triage:** An emergency procedure for all arrangements has a few advantages. It guarantees that referrals are proper, triggers any tests that must be done before an arrangement (counting those finished with at-home test units), and permits clinicians to survey the ideal method of interview. One wellbeing framework found that conveying an emergency Chabot on its site diminished calls by as much as 30%.

**Understanding Information Collection and Assessment:** Wellbeing frameworks can utilize online structures (connected to electronic patient records [EPRs]) to catch tolerant history before the arrangement, permitting clinicians to concentrate on determination and treatment during persistent visits.

**Far off Appointments:** An ongoing BCG overview found that over half of patients in the US with unforeseen conditions are utilizing far off consideration. Governments are finding a way to empower this—the German government, for instance, has expelled a repayment top for essential consideration computerized conferences (beforehand, just 20% of meetings with a particular supplier could be far off per quarter).

**Gathering Consultations:** By partaking in bunch councils for interminable illness the board, patients can gain from and bolster each other. They can likewise access a more noteworthy assortment of wellbeing experts, including physiotherapists and dieticians.

**Enabled Self-Care:** Persistent started subsequent meet-ups and distant observing are especially successful in empowering individuals with incessant sicknesses to deal with their own condition every day and access pro administrations when they need support.

**THE SIX OF COMPREHENSIVE RESPONSE OF COVID-19:** Aggregately, the six accepted procedures establish an incorporated and far-reaching reaction to COVID-19. (See Figure 6) How they cooperate is as significant for framework viability as any individual part itself.
1. **Far reaching Monitoring.** South Korea, for instance, immediately settled a forceful observing system that incorporated a broad system of drive-through analytic focuses. Fig.6: Six Best, thorough contact following groups, and a strong procedure to test and isolate universal appearances to the nation. The methodology has permitted South Korea to maintain a strategic distance from the general public wide lockdowns that have been important in numerous pieces of the world. Germany and Iceland are among the other wellbeing frameworks that have set up forceful testing and observing systems from the get-go in the pandemic.

2. **Imaginative Use of Digital Technologies.** South Korea publishes anonymous data from mobile records, MasterCard receipts and other private data sources the developments of each and every individual who has tried positive. In the interim, Hong Kong is utilizing geo-area information to make an openly accessible dashboard that maps all current and previous cases by building. (See Figure 7) Singapore has built up a deliberate, scrambled, and anonymized cell phone application called "Trace Together," which utilizes Bluetooth to gather information from telephones in nearness, permitting clients to follow their contacts over a 21-day time frame (offering the information to wellbeing authorities is discretionary).

3. **Populace Segmentation.** Extensive following and straightforward information are requirements for portioning the populace into key patient gatherings and hazard classes. Division is basic both to execute focused on preventive general wellbeing measures (and, along these lines, to restrain the requirement for more broad lockdowns) and to build the accuracy of suitable treatment for various populaces. Notwithstanding recognizing the individuals who are tainted from the individuals who are not, it's additionally basic to
fragment by hazard class, by phase of contamination, and after some time, by serological status.

4. **Multi-Disciplinary Cooperation.** As overpowered wellbeing frameworks battle to contain the infection and treat the burdened, social insurance laborers from each claim to fame and subject matter have added to an “all-active deck” exertion. Combatting the malady’s assaults on the respiratory framework requires joint effort between irresistible illness authorities, internists, and ICU specialists.

5. **Joining of Medical, Social, and Behavioral Interventions.** Another best-practice reaction to the infection is the consistent reconciliation of clinical, social, and conduct mediations.

6. **A System-Wide Approach to Health Governance.** In the two decades after SARS, Taiwan built up a coordinated wellbeing war room that had the option to move rapidly after the first COVID-19 cases in Taiwan were distinguished in late January and early February. The middle actualized more than 100 measures to secure against the spread of the coronavirus. This fast preparation clarifies why Taiwan, with a populace of 24 million individuals, has had far less diseases than its neighbors: just 420 considered of April eighteenth, with six passing.

A paradigm for the future: Much of the time, the practices that are demonstrating best in the battle against COVID-19 are similar ones that ought to be utilized to treat any significant wellbeing condition or populace portion. This is especially valid for interminable conditions, for example, diabetes, that speak to a developing bit of the worldwide illness trouble. Each wellbeing framework should:

- Track normalized wellbeing results over all maladies and make information about those results straightforward.
- Utilize computerized innovation to all the more effectively catch, break down, and share that information among experts and patients.
- Ceaselessly refine the division of the populace by sickness gatherings and hazard classifications and create modified mediations for each.
- Reinforce the multi-disciplinary, group-based way to deal with overseeing and treating explicit conditions, illnesses and populace fragments.
- Incorporate clinical, social, and conduct intercessions.
- Adopt a more all-encompassing strategy to the structure and administration of national wellbeing frameworks.

In this regard, the gigantic interruption that social orders are looking because of the pandemic, anyway excruciating for the time being, likewise speaks to a significant long-haul chance to make more patient-focused wellbeing frameworks that encourage constant learning through sharing normalized information and benchmarks and, subsequently, utilize assets all the more successfully to address understanding issues. Out of emergency comes learnings and development—both to confront our quick test and to fabricate more practical wellbeing frameworks for a more beneficial and more secure world in the decades to come.

**Future Recommendation- Biomedical Research:** How will be transformed the paradigm of healthcare post-covid-19 look? What should we expect here?

- **Telehealth and telemedicine** virtual treatment will be central to global healthcare. Health care services are pushed into a range of remote healthcare technology to navigate rapidly through virtual care.
- **AI-based diagnostics** and cloud-based storage – will enable seamless patient-provider contact. In addition to standard monitors, the reliability of virtual intensive care units will also measure by health care providers. Intubate patients will treated at home with a nurse are monitored on remote basis by specialist care professionals.
- **Biomedical Advanced Research and Development Authority (BARDA)** Encouraging the development of novel, cost-effective, safe, and comfortable personal Protective Equipment (PPE) collaborations. Under the Pandemic and all-hazard readiness legislation of 2006 allowed the BARDA to re-authorize it recently in 2020, but was not effective enough to provide financing and technical assistance for new product production in the case of a public health emergency. Innovative methods should be used to educate health staff on the use of PPE.

The effectiveness of such changes would rely on the capacity of the industry to adapt to a new standard, recognizing problems, creating creative solutions and capturing new opportunities quickly.

**Conclusion:** The current situation, in summary, calls for a paradigm change in public and international health strategies. Until we take bold measures, we will not be prepared for the next outbreak. First, international health policies should not be structured to respond on a case-by-case basis to threats, but should follow a system-based approach that can foster a holistic image of the burden, danger and health of global diseases, as well as better address the system-wide effects of the interventions implemented. Second, countering the current instability in global health governance would involve a dramatic change from a reactive paradigm to a holistic and preventive paradigm in global health policy making, with substantive commitments to the human health security. Third, the emphasis on short-term healing policies based
on the Pasteurian Model is necessary for transition into long-term preventive and promotive policies based on a holistic view of human health.

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