

National institute of technology, Raipur

submitted by: Saurabh Raj
roll no. 21111053

February 2022

1 Introduction

Future of healthcare we expect six key areas -data sharing , interoperability, equitable access, empowered consumer s behaviour change, and scientific breakthrough to collectively transform the existing health system from treatment-based reactionary care to prevention and we'll being.

2 Future Health System

That current health care systems are fragmented and care is uncoordinated, and far too many patients develop serious chronic health conditions before anyone notices or tries to intervene. Emerging systems must be designed around robust and accessible primary and community care, where multidisciplinary teams coordinate all health related issues. System should bear some financial risk for the health of the patients they see to motivate them to provide more comprehensive and health -sustaining care . Hospital today are typically responsible for the largest portion of spending in health care but we expect that within 10 years, care will move from the hospital into the community and the home. Three trends are accelerating this shift. First, hospital-at-home programs are growing, because they improve outcomes at lower cost and with higher patient satisfaction.personalized medicine will increasingly improve our ability to predict and prevent acute complication of chronic disease, thus preventing many hospitalizations. And third, advances in digital health will allow us to deliver hospital-level care in the home through telemedicine. The Covid-19 pandemic has accelerated this trend considerably.

Handing over the reins will be hard, especially for academic medical centers, which focus on tertiary and quaternary care and currently anchor many of our largest and most influential health care systems.

If health care systems are to evolve, they must shift both operations and leadership out of the hospital. New technologies such as augmented reality, surgical navigation, and tele-mentoring will enable procedures to shift to community surgical centers, and this shift can be accelerated by changes in reimbursement. Likewise, telemedicine services will enable clinicians to deliver chronic disease management programs not anchored to a hospital or clinic.

3 sustainable Health

Our health care systems must reach sustainability. The costs of care have risen much more rapidly than gross national product for nearly all developed countries, partly because new technologies and treatments increase costs. However, there is no intrinsic reason why innovations can't also reduce costs, if we focus our energies in that direction.Artificial intelligence (AI) and machine learning

can introduce better decision-making tools. In clinical systems, they can help us determine what level of care a patient needs, and which patients would benefit most from which expensive new drug therapies. On the administrative side, they can help us pick the best staffing level for a specific unit given the patient mix, or choose which device or implant to select for a specific procedure.

4 Conclusion

will not be easy to get to this new world, and it will be realized faster in some places and domains than others. However, if payment systems reward organizations and practitioners for doing better, we believe they will find ways to innovate and successful innovations will spread rapidly. Some innovation will rely on digital technology and AI, but much of it will relate to leveraging the techniques of implementation science — the scientific study of implementing research findings in practice, moving care away from hospitals and bringing together health and social care. We can let the market drive health system change in a fragmented, uncoordinated, and reactive way, or manage the change in a coordinated and deliberate way to optimize the impact on patient outcomes and organization performance. We will need to take a proactive approach if we are to see these changes take shape earlier. All stakeholder policy makers, payers, care recipients, and caregivers — must be at the table to enable and deliver effective transformation.