HEALTH MANAGEMENT AND NFORMATION SYSTEM: FUTURE PROSPECTS

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ABSTRACT:
Health information and management system has been changed over the period of time. After the advent of new tech and its application heath records are maintained and shared in quick response time across utility centre. Various hardware and software supports to generate reports and helps in decision making. But there is big challenge for health administrators for the flawless and error free record management. Information security is the greatest challenge for future applications. Govt of India takes up initiative in the name of "Digital India" and many pillars of new digital India attract medical tourism. Cost economics and quality treatment are main theme for the development medical related business in India. The medical payments and pay structure and shortage of quality health care professional are great demand and this problem yet to be identified. This paper addresses the some of the major issues that are confronted with health industry professional. This discussion through light the effective computerised management information system for speedy recovery, easy administration, quality of service treatment.
Key words: Health records, information system, quality of service, challenges, and future prospects

1.1. INTRODUCTION HEALTH CARE INDUSTRY

The concept of health care industry covers vast spectrum of health care activities which includes such as diagnostic, remedial solutions, database administers, hardware maintenance, system support and quality concept, training of health care professional, machinery and medical equipments, nurse management, pharma industry manufacturing system, changing technology etc.,

Figure No.1 Health Care Industry

HEALTH CARE INDUSTRY
=
Treatment of treat patients
+
Curative
+
Preventive
+
Rehabilitative
+
Palliative care

Medical technology grown over the years and service delivery mechanism also radically changed in to new level. Though developments proved to be great but still lot of problems emanate in real world applications. The biggest hindrances for the growth of medical field are:
   a) Integration of service developments

- Service quality dimensions
- Medical service delivery and medical supply and
- Publicity

1.2. RECENT CHALLENGES OF HEALTH CARE INDUSTRY

The importance of Health Records is the first step in the right direction. The preserving health records provide lot of benefits to health management. Better health management bestows efficient heath information. Health professional can diagnostic and quick decision with the application patient care, safety aspects of patient's safety, good communication, creating awareness etc.,

The following are major challenge for health care professionals:

a) Health technology
b) Integrated health services
c) Cyber security issues
d) Increasing costs of patient care
e) Billing systems
f) Price of Pharma products
g) Changes in the regulatory mechanism
h) Short supply of health care professionals
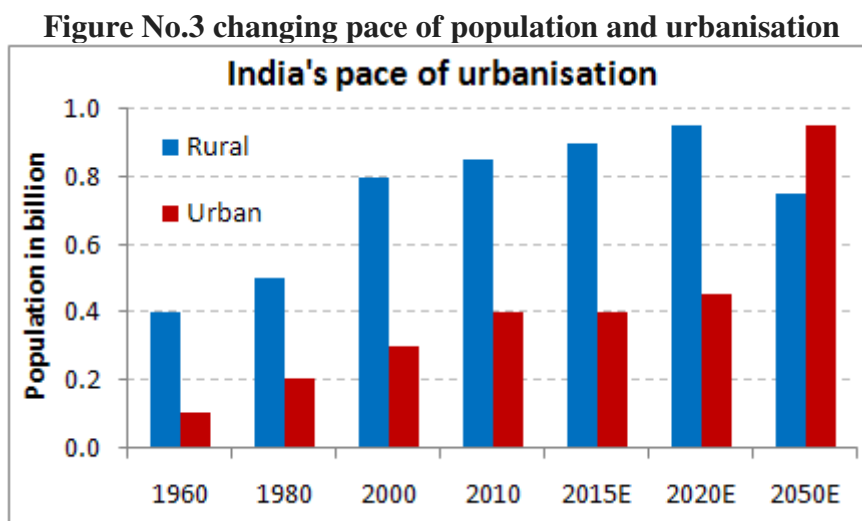
FIGURE NO.02. HEALTH CARE CORE AREAS

The key growth inhibitors are:

1. Fastest growing population
2. Changing disease profile and Re-emerging diseases
3. Multilayered Healthcare System / Landscape
4. Lack of or Absence of Infrastructure
5. Paucity of Manpower (Doctors, Nurses, Paramedics)
6. Extremely Low Public Expenditure on Health and its Inefficiencies
7. Inaccessibility of Healthcare Services

1.3. MASSIVE EXPANSION OF GROWING POPULATION AND URBANISATION
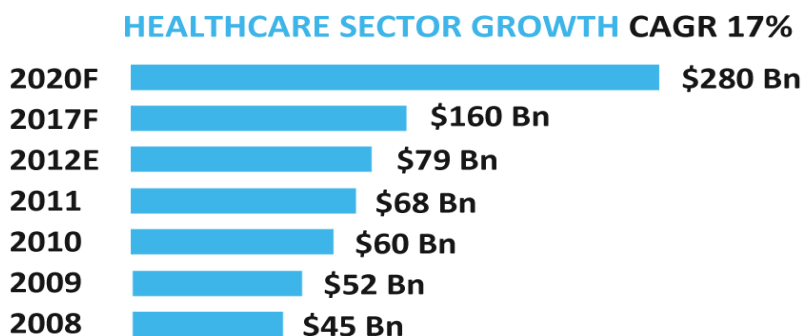
Urbanisation is the physical growth of urban areas as a result of rural migration & it is closely linked to modernisation, industrialization and the cosmological process of rationalisation.

Figure No.3 changing pace of population and urbanisation

(Source: http://www.sociocosmo.com/2013/07/urbanization-problem-or-solution.html)

The above figure illustrates changing times of growing need for medical facilities in India. There is need for more of medical budget to meet current challenges of by establishing
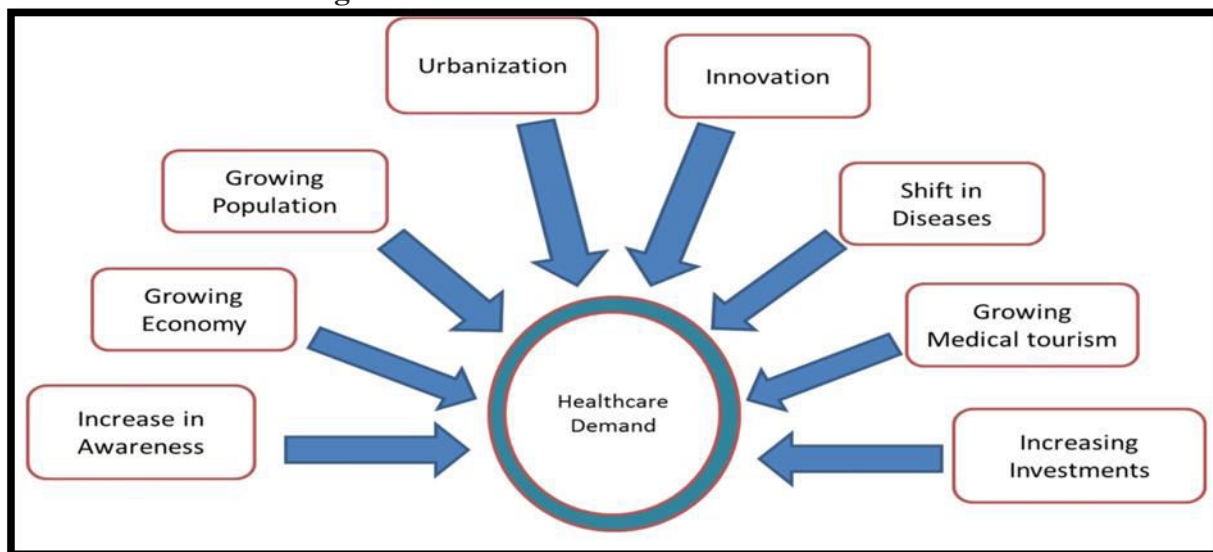
Figure No. 04. Fast paced growth of Heath Sector

(Source: http://blog.medicomart.in/2017/03/06/tele-medicine-fastest-growing-health-care-system-india/)

There is a necessity to equip ourselves to match the need for medical services and other related requirements. If we understand driving forces which are influencing factors. The following figure no.5 outlines the demand drivers of health care. The world fastest growing industry is health care industry. This sector growth consists of a) Hospital administration b). Pharmaceutical c). Diagnostics d) Medical equipment and medical insurance industry. Technology has influenced nearly every sector of Indian economy to achieve Digital India vision but healthcare technology is still at nascent stage.

Figure No.05. Health Care Demand Drivers

(Source: https://www.karexpert.com/dhs/blogs/general/digital-healthcare-disruption/)
1.4. Current challenges

The following point highlights core issues of health care professional and these problems can be addressed by understanding about the below listed indicators. On can wish away. Due to growing demand for services, the consensus must be arrived with these crucial factors.

> ➤ Rapid development in Med. Tech.
> ➤ Increase Health awareness of people
> ➤ Rapid Urbanization
> ➤ Increase demand for better facilities
> ➤ Active participation of Media
> ➤ Legal involvements in hospital affair
> ➤ Maintaining peaceful internal environment
> ➤ Increased Political interference
> ➤ Better and quick communication facilities
> ➤ Competitive private health care facilities
> ➤ Increase in Senior Citizens
> ➤ Higher level of consumers expectations
> ➤ Marketing of hospital services

STRATEGIES FOR THE IMPROVEMENT
   a) Controlling medical error
   b) Improved communication methods
   c) Managing the number of investigations
   d) Patient results
   e) Quality of health care
   f) Safety management

The future is based on high-tech based solutions, need for flexible, integrated reliable and hospital management system. The hospital industry in India is forecasted to increase to Rs 8.6 trillion (US$ 132.84 billion) by FY22 from Rs 4 trillion (US$ 61.79 billion) in FY17 at a CAGR of 16-17 per cent. The Government of India is planning to increase public health spending to 2.5 per cent of the country's GDP by 2025.

CLOSING REMARKS

Today technology rules the world; hospital industry is not free from this. According to CEO, CTO Niramai Dr Geetha manjunath says that AI aleady becoming an intrinsic part of many clinical decisions made by medical professionals. In today's modern world, medical practice needs an online presence to meet the ever growing patient demands. And to deliver the best quality healthcare services. Cutting edge technologies based on secured health cloud. The great thing about our App is that you can use it on any device that you have access to, to provide the consultation at no overhead cost, you can use your Smart phone, Tablet, laptop or even desktop. Access to healthcare in India is marred by huge costs of Out-of-pocket expenditure which pushes 7% of India's households into poverty every year. Especially, when the affected victim is the sole bread earner in the family the cost is even more debilitating. The awareness levels, willingness to submit to clinical diagnosis at the primary healthcare level and access to secondary or tertiary healthcare services is lower among the most disadvantaged.

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