A STUDY ON BIG DATA AND KNOWLEDGE MANAGEMENT IN HEALTH CARE SECTOR

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Abstract: Big Data on Knowledge Management plays an important role in Health Care Sector. It is supporting to deal with the patient health issues. Big data provides the bundle of information, which is closely understand the knowledge about the issues and it is effectively involving to improve the quality of health care. This study particularly focuses on development of Knowledge, Which is influencing to develop the Health Care. Big Data to represent the current technologies and to adopt the new innovations, to capture the exact problems and to provide solutions accurately. Recent days, more technology has implemented in health care. Even though, some of the disease is yet to be solved. So, the big data and knowledge management, which will help to forecast the issues, to protect it immediately. The objective of the present study is analyzing the impact on big data and Knowledge Management in Health Care. Keywords: Big Data, Knowledge Management, Health Care, Strategy.

INTRODUCTION

Recent decades, most of the health care sectors are using big data for find out the accurate solutions. This analysis can be prompt to more effective decision – making for the decision maker. In strategic decision (Ali and Simone, 2017) induced that the managers would have developed critical abilities in order to reduce the patient disease in the progressively volatile and to faces the competitive business world. McAfee et al., (2012) mentioned that the objective of knowledge management is to assimilate data from different areas and analyze them to extract value for effective decision making. (Expedia.com.my, 2017) has invested a huge amount of money to use big data analytics to generate the quality of valuable insights from the huge value of data that is generated from day to day use of the site. This analyzes the market strategies that attract the patient who get a trust on particular hospital and their problems also solved very shortly. In this area, the health care sector gets useful insights by analyzing the big data and finalize on how to utilize this most valuable information to improve the satisfaction on patient. Big data, knowledge management is a research in influencing decision – making processes.

IMPORTANCE OF KNOWLEDGE MANAGEMENT IN HEALTH CARE

Knowledge is a not end process. Its continuous updating in health care sector. Because, Recent Scenario, people are affecting in unexpected disease. So, the health care should update their knowledge day to day for solving issues.

BIG DATA IN HEALTH CARE

Big data of health care is a vast areas to understand the existing issues and information. The data can provide the accurate details, which is identifying the patent profile. . The large data assets lies not merely in their size, but in the way how they are used for the health care research enterprise to attain its potential, it needs to catch up with the world around it and reflect the complexity within it.

BIG DATA AND KNOWLEDGE MANAGEMENT TOWARDS HEALTH CARE

The integration of big data will require new thinking on the part of medical responsibilities regarding the ways in which this type of health care research can be exact contribute to the productivity of the research center. In advance data can help to easily to predict patient health problems and creating approaches that are highly reproducible and perform well in different settings and with different patients. The big data, which is every day interactions, captured through medical encounters, health behaviors, and other data produced for different purposes can be the source material for huge amounts of medical research that can ultimately to attain the needs of future patients, clinicians, and other health care sectors. It is a potential to learn from all the patient, but only if there is a commitment to making the data available in any situations and organizing it appropriately. The new innovative thinking has to embrace the importance of not wasting this potential source of knowledge.

How big data to contribute the knowledge management for influence the health care Challenges, Opportunities and Technologies are always associated with knowledge management, big data and Health Care

How big data and knowledge management can influence to develop the health care in effectively and efficiently.

USE KNOWLEDGE MANAGEMENT IN HEALTH CARE

The health care employees are overwhelmed with new information and it is hard for them to share this knowledge into different categories and save valuable, to provide necessary information when they need. But it is crucial for them to be able to get the solution fast and use new technologies and strategies. New knowledge may improve their decision-making process and which help to get a quality of solution not only on their experience but use entire medical objectives as well. The area of knowledge management provides experts and hospitals to use different global methodologies that include intellectual capital and computer software to meet medical requirements. The use of knowledge helps next generations to learn from past experience and to design strategic solutions.
LITERATURE REVIEW

As per literature, stated big data has presents a different variety which expands beyond structured data. According to (Shorfuzzaman, 2017) the big data provides more variety which reaches out previous organized information, including unstructured data from different types like audio, text, videos posted online and digital pictures are incompatible for the distinctive relational database action.

(Elgendy and Elragal, 2014) big data provide with incredible velocity and would be captured, prepared and processed rapidly as in the case of making a quality of decisions. The current literature mentioned the additional value and in the definition of big data. Which Huang et al., (2015) see the value of the data that are collected as such some of data of economic value will be differ reliant on the data and it is used. Yet other researchers (Chen et al., 2014) refer veracity to the precision and reliability of data and the different method of analyzing that data. Big data is apparent by subject experts as a chance to enhance the strategic decision-making, creating significant experiences and increase more advantage (Davenport, 2013; Delen and Demirkan, 2013).

MODEL FOR BIG DATA & KM IN HEALTH CARE

DISCUSSION

This is a historic moment in health care. There is a incredible opportunity to develop medicine as an information science and healthy the foundations of a learning health care sector, designed to The knowledge and big data generate and apply the best indications for the collaborative healthcare choices of each patient and provider; to drive the process of discovery as a natural outgrowth of patient care; and to ensure strategic innovation, quality, safety, value in health care. Now a day’s most of the health care sector utilize the knowledge and big data formally and informally. The health care need to have formalized business information system to systematically conduct competitive intelligence activities because it seen to be vital in making a quality of business decisions and which will help to attain the more achievement in health care.

CONCLUSION

Knowledge management and big data in health care is progressing: The health care sector should adopt the various knowledge management strategies for the facing the various challenges and issues in patient health. The use of big data and knowledge in health care is to enhance the good quality of care for patients by providing them with a continuity of care. Health Care Sector should understand that big data to make a quality of decisions, which will help to achieve the new enhancement in health care.
REFERENCES: