

Patient Satisfaction in Clinical Healthcare Data Analytics

Md. Anisur Rahman

Student Id: 012202047

Masters Of Science in CSE(MSCSE)

MSCSE, UIU.

United International University.

mrahman202047@mscse.uiu.ac.bd

Prof. Dr. Khondaker A. Mamun

Advanced Intelligent Multidisciplinary System (AIMS) Lab.

Founder of CMED Health, UIU.

Department of Computer Science and Engineering (CSE),

United International University.

mamun@cse.uiu.ac.bd

Abstract— In this paper, the importance of the definition of patient satisfaction is a big challenge of clinical healthcare data analytics to manage information is beginning to be recognized by clinical healthcare executives. The appropriate situation is needed in the relationship between best outcomes and patient satisfaction, and it can be found in clinical healthcare data and communication technology. ICT advancements present a problem in two directions: on the inside, with Data Analytics, and on the outside, with clinical and patient data interaction. Patient satisfaction in clinical healthcare data analytics delivery has always been data-intensive, and there are hints that the industry is beginning to recognize the growing relevance of patient data processing in the new managed clinical healthcare service. This paper also highlights various clinical healthcare data, patient data, models used in different contexts for clinical healthcare service around the world. Also, we have tried to study past sequences of advancement, current state of the art and future need of research in clinical data of patients for healthcare.

Keywords—*Patient, Satisfaction, Disease, Clinical, Costs, HealthCare, Data Analytics.*

I. INTRODUCTION

Patient Satisfaction is a situation in which patients are happy or unhappily, and in different hypotheses they carry satisfaction about good, Excellent, Negative and Neural with their Clinical healthcare both inpatient and outpatient of every division or department of healthcare. The measurement of patient care quality of patient satisfaction provides healthcare data analytics. To research patient satisfaction in clinical data analytics, we can find out some hypotheses of patient satisfaction. For patient satisfaction, we would have gathered a huge number of clinical healthcare data.

There is a huge amount of patient satisfaction potential data to make better use of information about people's patient satisfaction records. These data can be manipulated to help in the clinical healthcare sector. Well organized quality data is essential for our clinical healthcare using patient satisfaction data to improve the healthcare system. Everybody should have access to their own health information to check if data is accurate to help or manage.

This document helps with patient satisfaction in clinical healthcare data. It is linked up, pooled, rechargers, doctors,

administrative can look for patient satisfaction data to help us develop the right way of predicting or diagnosing diseases, and identifying to improve clinical healthcare data.

We want to work in clinical healthcare to help some objectives- Patient satisfaction is established in focus on main element of clinical healthcare data. To improve Performance, increase patient's observation. To develop patient's observation, we must analyze Hypothetical study of patient satisfaction in healthcare.

II. RELATED WORK

From this paper, patient satisfaction and clinical healthcare data analytics represents the biggest challenges. The healthcare sector is rife with patient data, medical reports, and coding schemes, several of which are importable and need careful data format. Patient Satisfaction and clinical healthcare data comes from several sources and is delivered in several forms, as well as revealed hospital, medical and patient records from individual spreadsheets, and several other data formats. Here, we have an interest to ask to focus on the healthcare data analysis and development decisions making in constructing a healthcare data, with a stress on the important topic's data staging and quality assurance. [1]

This document presents the findings of an experiment on how patient and clinical healthcare institutions have taken the step of approaching the buildup of information systems for a more common reporting than typical treatments costs data. To that goal, some of the basic concepts referring to management information in patient healthcare institutions are gone through. Second number of data analytical tools that could be used in the buildup of a computer-based management information system. It has no patient satisfaction clinical healthcare data. [2]

This document's importance of patient healthcare data gathering in the healthcare sector and its critical aspects are discussed in this study. It is an attempt to compare between typical clinical or healthcare methods and those required in healthcare. It doesn't discuss the distinct observation of clinical data. [3]

In this paper, Development of National Health Services (NHS) Provider for patient's data gathering in paper, authors proposed a national health services data model in Bangladesh healthcare context. In the proposed star schema model, they showed how data from different government and private sources could be processed and stored in patients' data.[4]