**Analytics for Hospital Health-Care Data**

**Literature Review**

Healthcare Industry is one of the world’s biggest and widest developing industries. During, the

recent years the healthcare management around the world is changing from disease-centered to a

patient-centered model and volume- based to a value-based healthcare delivery model.

Educating the superiority of health care and decreasing the cost is a principle behind the developing

movement toward value based healthcare delivery model and patient-centered care. The

volume and demand for big data in healthcare organizations are growing little by little.

**To provide :-**

Effective patient-centered care, it is essential to manage and analyze huge health data. The outdated

data management implements are not sufficient enough to analyze big data as variety and volume of

data sources have increased in the past two decades. There is a need for new and innovative big

data tools and technologies that can meet and exceed the ability of managing healthcare data .

Research study predictions on the worldwide big data expenditure in the healthcare business

to progress towards Compound Annual Growth Rate (CAGR) of 42% during this years 2014-2019 .

The big data are used to predict the diseases before they emerge based on the medical records.

Many countries’ public health systems are now providing electronic patient records with advanced

medical imaging media.

The practice of big data takes the prospective to encounter the upcoming market needs and trends

in healthcare establishments. Big data provides a great opportunity for epidemiologists, physicians,

and health policy experts to make data-driven judgments that will eventually develops the

patient care .

The authors have used Google trends for analyzing the ‘big data in healthcare’ between 2010 and

2015.

To support disease-centered to a patient-centered model and volume-based to a value-based

healthcare delivery model.

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To manage and analyze huge health data. The outdated data management implements are not

sufficient enough to analyze big data as variety and volume of data sources have increased in

the past two decades.

To use new and innovative big data tools and technologies that can meet and exceed the ability

of managing healthcare data.

The big data are used to predict the diseases before they emerge based on the medical records.

To provide electronic patient records with advanced medical imaging media.

The practice of big data takes the prospective to encounter the upcoming market needs

and trends in healthcare establishments .Big data provides a great opportunity for

epidemiologists, physicians, and health policy experts to make data-driven judgments that

will eventually develops the patient care.

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