**19BCE226 – Ansh Ray**

**Big Data in Healthcare**

Big data has been around for a long time; most organisations now recognise that if they capture all of the data that flows into their operations (possibly in real time), they can apply analytics and get tremendous value from it. This is especially true when sophisticated approaches such as artificial intelligence are used.

Big data analytics assists firms in harnessing their data and identifying new possibilities. As a result, wiser company decisions are made, operations are more efficient, earnings are greater, and consumers are happier.

Applications of Big Data in healthcare

1. Improved patients’ predictions

2. Electronic health records (EHRs)

3. Real-time alerting

4. Enhancing patient engagement

5. Prevent opioid abuse in the US

6. Informed strategic planning

7. Cure cancer with health data

8. Predictive analytics in healthcare

9. Reduce fraud & enhance security

10. Improve telemedicine

11 Enhancing medical imaging

12. Prevent unnecessary ER visits

13. Staffing & personnel management

14. Learning & development

15. Risk & disease management

16. Suicide and self-harm prevention

17. Supply chain management

18. Develop therapies & innovations

19. Help manage mass diseases

20. Improve prescription processes

21. Prevent human error