



GROUP PRESENTATION

DIGITAL SKILLS AND RESEARCH METHODS (LCHS4002 LON)

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INTRODUCTION

The use of Contemporary Technology in Healthcare sector can improve quality, efficiency and patient experience as well.

AGATHA



THE USE OF CONTEMPORARY TECHNOLOGY IN HEALTHCARE SECTOR



AGATHA

CONTEMPORARY TECHNOLOGY DEVICES

- Helps to diagnose illnesses
- Helps to monitor treatments
- Helps to assist disable people
- Helps to protect patient privacy
- Helps to improve overall care

- AGATHA



ARTIFICIAL INTELLIGENCE[AI]

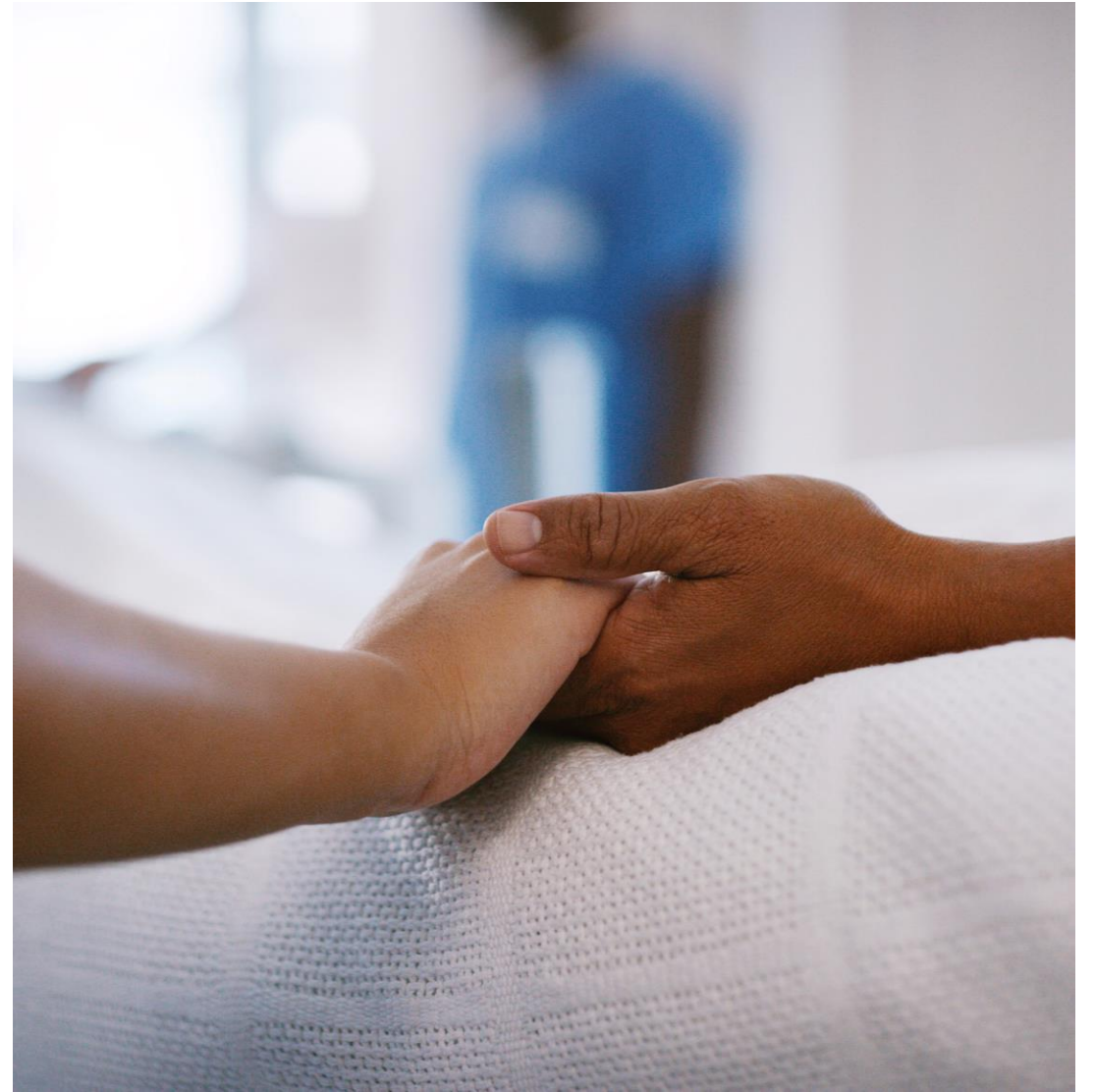
- Develops new tools for medical research
- Speed up medicine development
- Automates administrative task
- Improves efficiency and accuracy of the diagnostic process



INTERNET OF MEDICAL THINGS[IoMT]

- Wearables
- Smart pills
- Medical alert system
- In-hospital devices

AGATHA





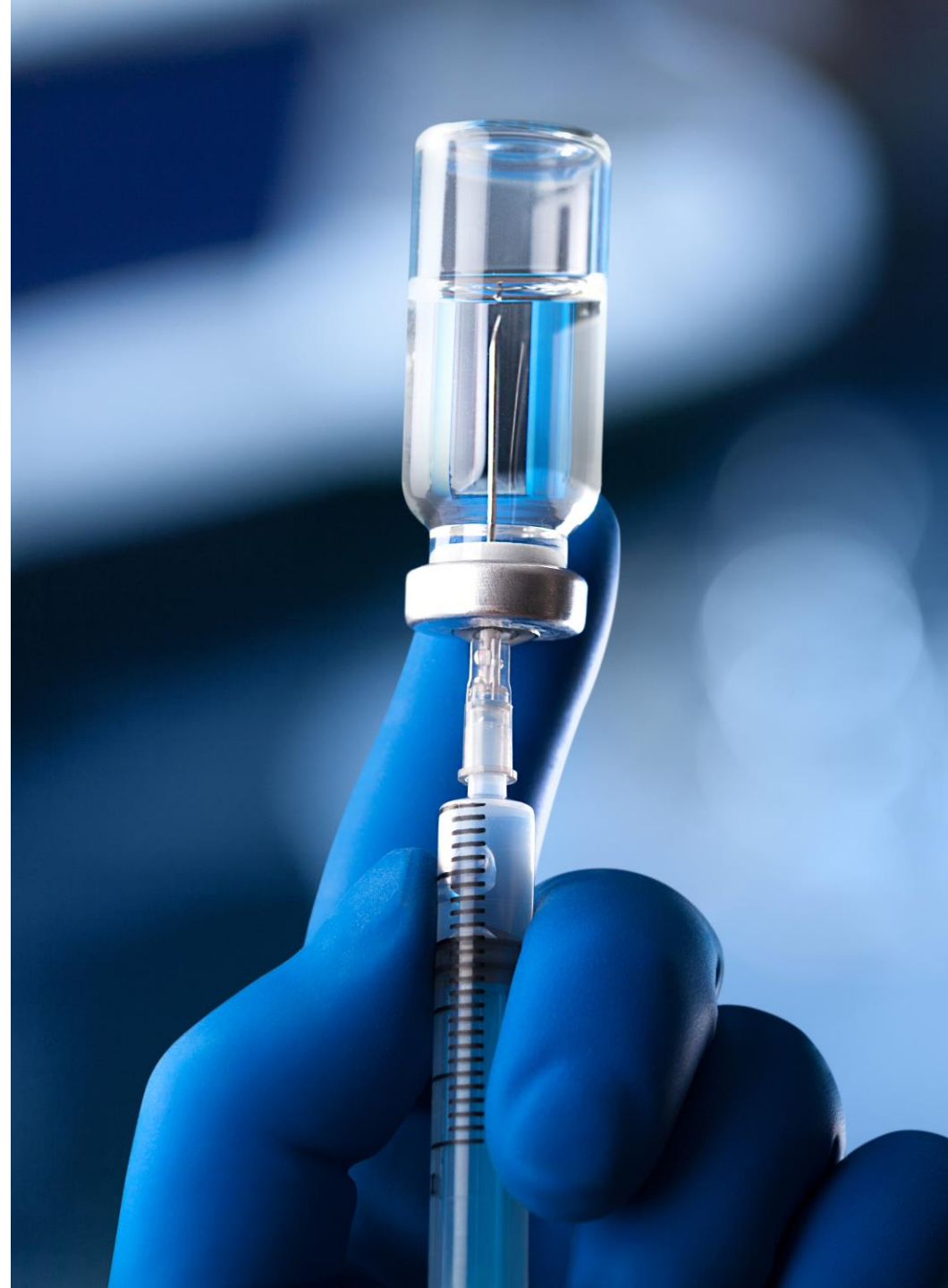
ELECTRONIC MEDICAL HEALTH RECORDS

- Unlocks health data
- Makes clinicians' lives easier
- Radically improve patient safety

AGATHA

THE USE OF TECHNOLOGY DURING COVID-19

- Robotics were deployed during the pandemic
- Mobile phones was of great importance during the pandemic
- Smart ambulances
- Artificial Intelligence[AI] was used to manufacture treatments and vaccines
- X-rays and CT scans
- Tablets
- Wearables
- Online shopping
- Drones helps with medical care in remote places



THE USE OF COMUNICATION, COLLABORATION, AND PARTICIPATION

- Improves quality of life
- Very efficient
- Good Patient experience



TRANSFORMATION OF DIGITAL COMMUNICATION

- Patient hand-off tools
- The next generation pagers
- Telehealth
- Patient- provider messaging tools

HALMIYA



DIGITAL TOOLS USED TO PREDICT, CURE DISEASES AND ENHANCE QUALITY OF LIFE

- Mobile health[mHealth] apps
- Electronic health records [EHRs]
- Wearable devices
- Electronic medical devices
- Personalised medicine



DIGITAL LITERACY AND THE EMPLOYEE WELLBEING IN THE WORKPLACE

- Specific digital skills that employees will need in the future world of work
- Digital collaboration
- Digital ethics
- Programming literacy
- Data analysis and statistics
- Data literacy
- Computational and algorithmic



WELLBEING FOR THE EMPLOYEE

Wellbeing for the employee can be divided in three areas.

1. Physical health
2. Mental healthy
3. Financial health

And there all integrated.

ADELA



THE IMPACT OF DIGITAL LITERACY IN THE WORKPLACE

NEGATIVE

- Loss of productivity
- Decrease in customer

POSITIVE

- High functional business
- Productivity
- Engage employees

ADELA



DATA HANDLING

How data can be presented

- Charts
- Tables
- Pie charts
- Bar graphs
- Line graphs
- Pictograph

BAR GRAPH



CONCLUSION

In conclusion, the above devices contributes to developing your understanding to treatments and technology in healthcare sector.



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