



World Health Organization

DIGITAL SKILLS & RESEARCH METHODS

MODULE CODE: BMSW4003

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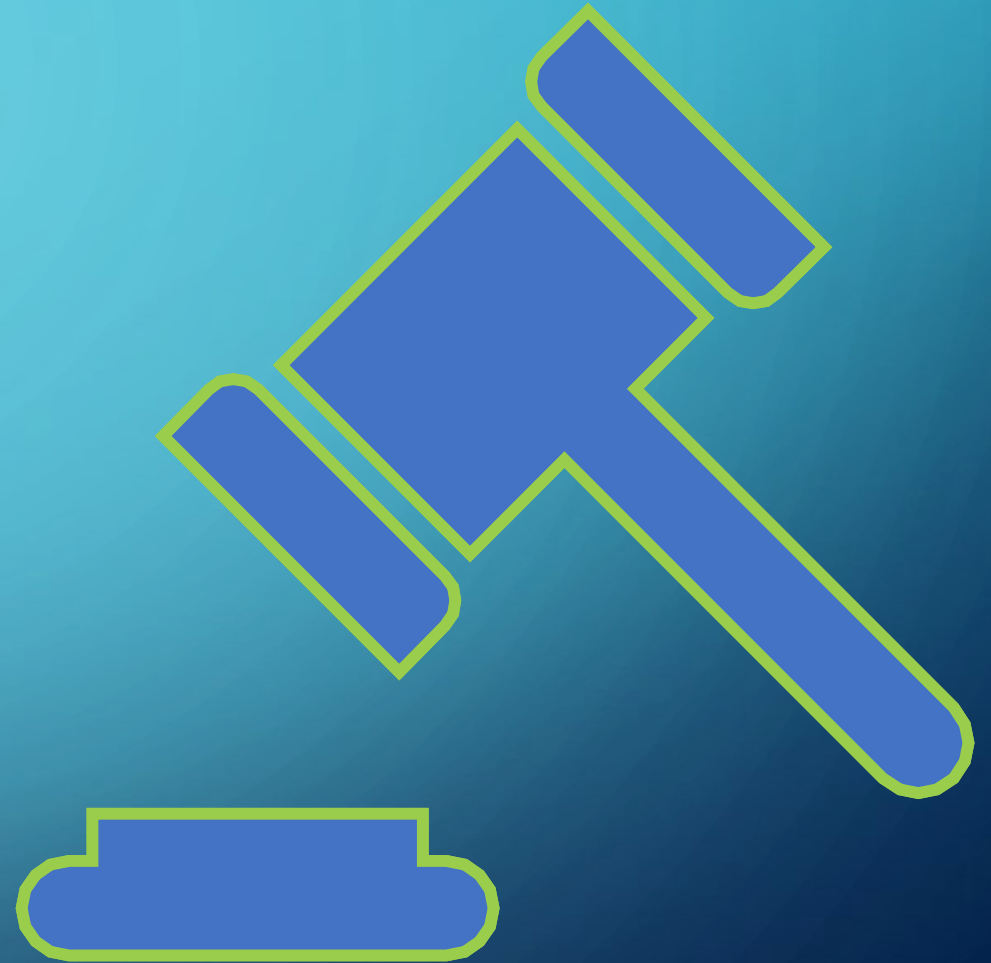
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OVERVIEW

- Eliana Tirrito- 2013032: Introduction and History of the Organisation
- Jessica C Brito- 2008475: Challenges before introducing Modern Technology
- Adriana Ribeiro Silva- 2008480: Insight of the Modern Technology Introduced
- Liliana Francisco-2008392: Impact of Modern Technology
- Stephanie Nkoli Kenechukwu- 20084707: Lessons drawn from the Presentation & Conclusion



WHO HISTORY & BACKGROUND

- Was established 7th April 1948
- First & still headquarter based on Geneva
- Tedras Adanom Ghebreyesus as the general director



Dr Tedros Adhanom Ghebreyesus

Director-General



AIMS & OBJECTIVES

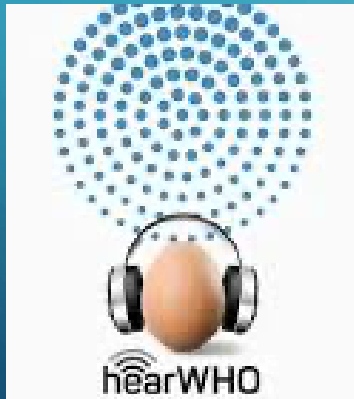
- Improve equity in health
- Reduce health risk
- Promote healthy lifestyle & settings
- Respond to the underlying determinant of health





MISSIONS & VISIONS + SERVICES

- To attain the highest possible level of health
- Promote health
- Keep the world safe & serve the vulnerable
 - Be he@lthy, Be Moblie
 - hearWHO
 - Google Fit



CHALLENGES BEFORE MODERN TECHNOLOGIES



Keeping up with
patient's security
and It's own system



Patients Data security
Base



System updates &
Patients information



Maintaining



The main challenges found before modern technologies were:

- Keeping up with patient's security and it is own system
- Patients Data security Base
- System updates & Patients information
- Maintaining



INSIGHTS OF THE MODERN TECHNOLOGY INTRODUCED

 A health technology is the application of organized knowledge and skills in the form of devices.


(WHO | What is a health technology?, n.d.)

DEFINITION OF TELEMEDICINE

World Health Organization developed an Integrated Mobile Health Technology Platform that enables frontline health providers to connect patients to remote doctors in order to obtain timely medical diagnosis and administer effective treatment for underserved patients.

(WHO | New and emerging technologies, 2011)





CHARACTERISTICS OF TELEMEDICINE

- Frontline Health providers use the mobile application to perform health risk screening.
- The mobile application instructs which medical process to take in order to identify health concerns.
- The diagnostics application on the mobile application instructs health providers with immediate actions to care for the patient.

(WHO | New and emerging technologies, 2011)

ADVANTAGES



DISADVANTAGES



DATA

Where Telemedicine is Most Used

8%

Primary Care
Visits

9%

Preventative
Care

12%

After hours
consults

23%

Managing specific
patient populations

24%

Follow-up
Care

24%

Reaching patients
in rural areas



IMPORTANCE OF TELEMEDICINE

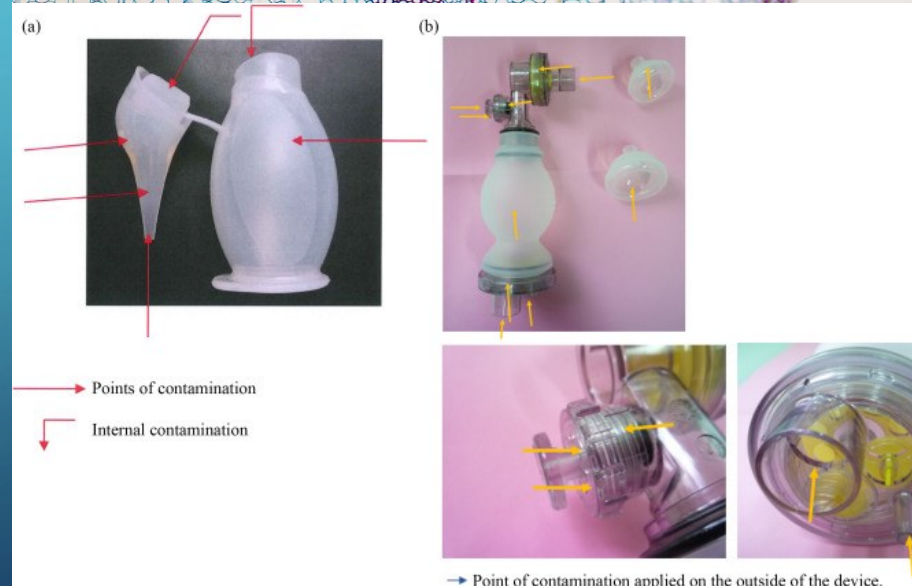
- It has been shown to support better clinical decision-making and improved patient outcome.
- The mobile device transmits the case to remote doctors for further diagnosis and treatment advice.
- For cases requiring remote doctor consultation, the phone transmits the patient symptoms information via mobile broadband or SMS.

(WHO | New and emerging technologies, 2011)

IMPACTS OF MODERN TECHNOLOGY



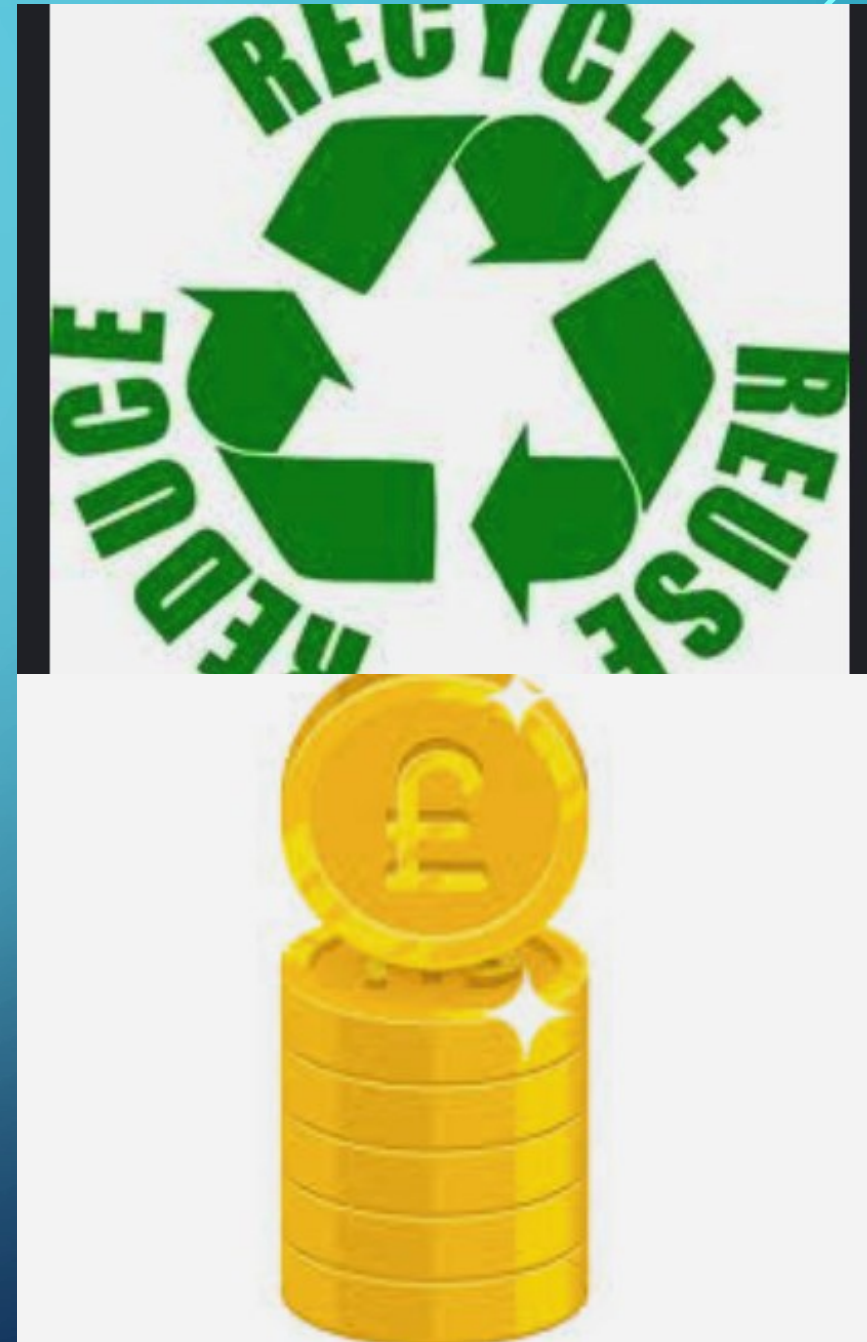
REUSABLE NEONATAL SUCTION



→ Point of contamination applied on the outside of the device.

POSITIVE IMPACTS

- Low-income countries can afford the reusable neonatal suction system.
- This device requires no electricity which allows countries to save up on electricity.
- Reduces pollution – Pollution poisons soils and waterways and kills plants and animals.
- Can be reused for multiple patients over a very long period of time.





NEGATIVE IMPACT

- If the Reusable Neonatal suction System is not cleaned properly there is a high risk of contamination when used on another new-born
- Mismanagement of dump sites pollutes surrounding environment

1

Differences
between traditional
and modern
technology

2

Why is modern
Technology
important for the
Organisation?

3

Consequences of
not using modern
technology in the
Organisation

LESSONS DRAWN FROM THE CASE STUDY

CONCLUSION



Modern technology in health & social care industry is very complex



It help health careers to make their work easier & more efficient



Modern technology will always advance



World Health Organization

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