

GROUP PRESENTATION

INTRODUCTION OF TEAM MEMBERS

- ▶ Team Members
- ▶ Momoh Kargbo 2007682 Team Leader
- ▶ Eugene Vilcu 2009209
- ▶ Olaniyi Taofeek Oladimeji 2009509
- ▶ Winnie Nzaramba 2014619
- ▶ Richard OJI 2013435

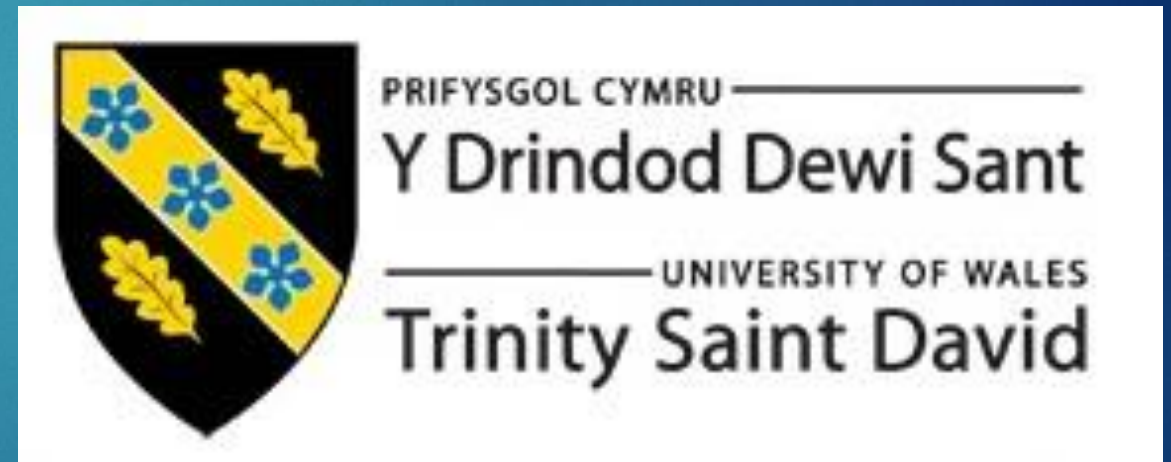


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 - ▶ Momoh kargbo
 - ▶ Winnie Nzaramba
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 - ▶ Eugene Vilcu
 - ▶ Eugene Vilcu
 - ▶ Olaniyi Taofeek Oladimeji
 - ▶ Olaniyi Taofeek Oladimeji



GUYS AND ST THOMAS HOSPITAL

NHS FOUNDATION TRUST

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FOUNDER

THOMAS GUY

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GUY AND ST THOMAS HOSPITAL

- ▶ The hospital in the borough of south wark in central London
- ▶ 1985-1988 The hospital had major expenditure by £8 million per year (C chantler 1998)
- ▶ According to hospital annual report summary 2019/20 The hospital received 2.6 million patients contacts, 95 ,000 inpatients contacts and 1.44 million outpatients.
- ▶ 18,00 staff are employed by the hospital (annual report 2019/20)
- ▶ The hospital is working on new trick that could transform the treatment of chronic pain sufferers
- ▶ {annual report 2020}



Challenges before Introducing Modern Technology (Telehealth)

- ▶ The NHS failed to deliver services more appropriately for the public to received better healthcare so there was need for innovative modern technology to satisfy the need of the public example telehealth handling bulky data storage.
- ▶ Consultation were not routinely being used in hospital to help patient due to lack of effective communication example GP appointment booking, receiving test result ,viewing medical record on paper work.
- ▶ Lack of fund to invest in modern technology coupled with lack of staffing has restricted the implementation of modern knowledge and training.
- ▶ Lack of leadership the health sector failed to deliver clear, consistent and sustained guidance of the use of modern technology

Senthil and Ashok – Problems with technology



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TELEMEDICINE

“HEALING FROM A DISTANCE”

O’Brien, S. (n.d.).

TYPES OF TELEHEALTH TECHNOLOGY (INSIGHT)

- ▶ Video consultation
- ▶ telephone consultation
- ▶ Store and Forwarding-
(Information sharing with
practitioners)



(www.heart.org, n.d.)

GAME CHANGER (INSIGHT)

Looking back to the days of home visits.



(Pinterest, n.d.)

Game changing benefit



(www.positivephysicians.com, 2019)

IMPACT OF MODERN TECHNOLOGY

- ▶ Telehealth appeared as a concept in the 50s, such an instrument being imagined since 1925
- ▶ The range of applicability of telehealth has increased over time
- ▶ Aim . The development of smartphone application that better respond to the challenges of modern technology

(Doarn et al., 2017)



IMPACT IN PANDEMIC SITUATION AND IN TREATMENT OF PATIENT WITH STEMI

- ▶ Social distancing, a key word for crisis management
- ▶ Telehealth is a solution in case of pandemic

(Miner et al.,2020)

- ▶ Recent studies (Bob-Manuel, Askandar and Khouzam, 2017) have shown telehealth practice has reduced DBT time
- ▶ There are evidence that the practice used in telehealth are positive associated with the treatment of heart disease but subject of implementation strategies is open.



LESSON DRAWN FROM CASE STUDY

1 Access to secure communication infrastructure

Video conference is often the best solution

Adapted to the modern way of working mandatory of standard

Implementation of electronics health record (EHR)

Reimbursement must be in place for telehealth services

Strong government involvement through national plan
Management support essential

Electronic message for high volume

It allow to engage the patient in new ways

It consider infrastructure as a community resource
(Obstfelder A KH Engeseth and R Wynn 2007)

BENEFITS

- ▶ Improve patient engagement and satisfaction
- ▶ Provides individualization health information
- ▶ Improve quality of the people with chronic disease
- ▶ Provides awareness of chronic disease
- ▶ Facilitate decision making in clinical care
- ▶ Provides flexibility and real time care with patients
- ▶ Improves access to health care
- ▶ Provide access to specialist
- ▶ (Johnson E ,ET 2006}

CONCLUSION OF MODERN TECHNOLOGY

MODERN TECHNOLOGY

- ▶ Successfully this technology depend on sustainable and adequate resource and therefore also need to improve to allow patient to participate in their care in an entirely new way and understand what going on inside their bodies and their health
- ▶ The telehealth seen as resources for patient education whether about a specific disease or preparation for an upcoming surgery
- ▶ For this it can bring a whole host of resources to bear for those patient and community

TELEHEALTH TECNOLOGY



REFERENCE

- ▶ Bob-Manuel, T., Askandar, S. and Khouzam, R.N. (2017). Authors' Response. *Southern Medical Journal*, 110(11), pp.746–746.
- ▶ Doarn, C., Rifat Latifi, Filip Hostiuc, Raed Arafat and Claudiu Zoicas (2017). *A multinational telemedicine systems for disaster response : opportunities and challenges*. Amsterdam, Netherlands: Ios Press.
- ▶ Miner, H., Fatehi, A., Ring, D. and Reichenberg, J.S. (2020). Clinician Telemedicine Perceptions During the COVID-19 Pandemic. *Telemedicine and e-Health*.
- ▶ O'Brien, S. (n.d.). The Definitive Guide to Telemedicine: History, Benefits, Implementation and Everything Else. [online] www.ringcentral.co.uk. Available at: <https://www.ringcentral.co.uk/blog/what-is-telemedicine/#ring-uk> [Accessed 12 Nov. 2020].#
- ▶ <https://www.beckershospitalreview.com/healthcare-information-technology/3-lessons-learned-from-saint-thomas-healths-telehealth-pilot.html>
- ▶ evisit.com/resources/what-is-telemedicine/
- ▶ https://en.wikipedia.org/wiki/Guy%27s_Hospital
- ▶ MacHaney,R, Reyshav. I,Azuri J, MacHaney. M.E,Moshonov. R, (2019) Global IGI Medical information. Impact of information Technology on patient care and environment.
- ▶ Liddell,A, Adshead,s, Burgess.E, (2008) The King's Fund.
- ▶ NHS (2014), England accessible surveys.
- ▶ Dr. Rodriguez.s.o, Dr.Yarez.T.A, (2014), ICEL proceedings of the 9th International **conference** on e-Learning.
- ▶ IGI, (2011), Management association-Information resources- Medical..
- ▶ Clinical Technologies : conts, methodologies, Tools and applications.
- ▶ Freeman. G, Hughes.J, (2010), The King's Fund.
- ▶ Continuity of care and patient experience.
- ▶ ose Facultad, Geraldine A Lee. (2019) Patient satisfaction with a hospital-in-the-home service. *British Journal of Community Nursing* 24:4, pages 179-185.
- ▶ Pinterest. (n.d.). *24 Vintage Pictures of Doctors At Work | Sick kids, Health remedies, Vintage pictures*. [online] Available at: <https://www.pinterest.co.uk/pin/50806302016662346/>.
- ▶ www.heart.org. (n.d.). *Video doctor visits gain ground during coronavirus pandemic*. [online] Available at: <https://www.heart.org/en/news/2020/03/31/video-doctor-visits-gain-ground-during-coronavirus-pandemic> [Accessed 8 Dec. 2020c].
- ▶ www.positivephysicians.com. (2019). *DEALING WITH A MEDICAL MISTAKE: SHOULD PHYSICIANS APOLOGIZE TO PATIENTS?* [online] Available at: <https://www.positivephysicians.com/dealing-with-a-medical-mistake-should-physicians-apologize-to-patients> [Accessed 8 Dec. 2020].