

GREAT ORMOND STREET HOSPITAL FOR CHILDREEN

DIGITAL SKILLS
DR CHRISTOPHER

UWTSD



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**GREAT
ORMOND
STREET
HOSPITAL
CHARITY**



1. BACKGROUND OF GREAT ORMOND HOSPITAL

- The great Ormond hospital was opened on the 14th of February 1852.
- The name of the founder of the hospital is DR Charles West.
- The Great Ormond street hospital is located in Bloomsbury under the Borough of Camden in London.
- It is the world leading hospital dedicated to the treatment of children with wide range of care.



Hospital for Sick Children, St Ormond St., W.C.



**ONE OF THE
OBJECTIVE OF
THE HOSPITAL
IS TO REDUCE
HIGH
MORTALITY
RATE AMONG
CHILDREN IN
THE SOCIETY.**



**THE GREAT
ORMOND
HOSPITAL
BECAME PART OF
THE NHS IN
1948.**



**THE HOSPITAL
CURRENTLY
HAS 389 BED
SPACE.**



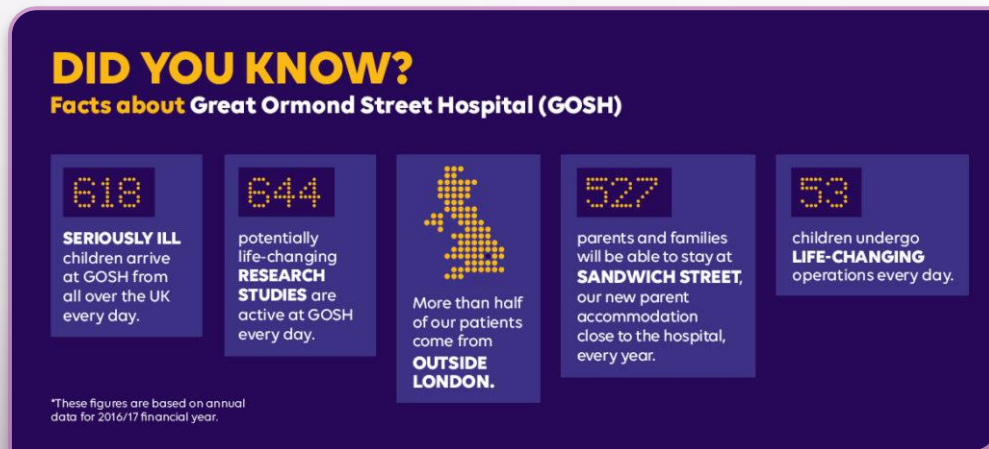
**THE HOSPITAL
RELIES ON
CHARITIES FOR
FUNDING:
THEY ORGANISE
DIFFERENT EVENTS
EVERY YEAR TO
RAISE MONEY FOR
THE SPECIALIST
CARE IT PROVIDES.**



**THE HOSPITAL
RUNS A 24HRS
SERVICE DAILY I.E.
PATIENT CAN BE
ADMITTED
ANYTIME OF THE
DAY.**



2. CHALLENGES BEFORE MODERN TECHNOLOGY



- (GOSH) has developed a referral app : the app was developed in English and Arabic with the intention to increase brand awareness .
- Generation R: this group was developed for young people advisory groups (YPAGS)based around UK with young people from different centres across the UK.
- RCN : The RCN is new solution to use mobile devices to electronically observe the patients .





LACK OF FUNDING:

The limited resources of the hospital was a challenge in carrying out new research in modern technology and training.



Lack of co-ordination and communication with other local services.



Safeguarding issues



Rules are regulations was another major challenge of great Ormond hospital.





3. INSIGHTS OF MODERN TECHNOLOGY

MODERN TECHNOLOGY CLOUD COMPUTING

- What is Cloud Computing?
- Types of cloud computing.
- Advantages of cloud computing
- Importance of cloud computing to GOSH.



DIGITAL RESEARCH INFORMATICS AND VIRTUAL ENVIRONMENTS (DRIVE)



New project built at gosh in collaboration with big technological industries



Project fizzyo to treat children with cystic fibrosis



Transforming the use of technology including artificial intelligence (AI) in healthcare



Patients virtually visit GOSH before actually going to GOSH



Patients make friends with other patients in GOSH virtually to help improve patient experience



A hand in a white lab coat holds a grid of seven blue hexagons, each containing a white medical icon: a paperclip, a molecular structure, a person in a wheelchair, a DNA helix, a heart with an ECG line, a stethoscope, and a flask. The background features a black circuit board pattern.

4. IMPACT OF MODERN TECHNOLOGY

POSITIVES IMPACTS

- **Improve child health:**

❖ *Drive*

- **Developing of new drugs and treatment:**

❖ *Car T-Cell*

- **Ease of workflow.**
- **Better and safer storage.**



NEGATIVES IMPACTS



**DATA PROTECTION
PROBLEMS.**



**HACKING OF
MEDICAL RECORD.**



**REQUIRES TIME TO
ADAPT FAST.**



EXPENSIVE.



5. LESSONS DRAWN FROM GREAT ORMOND HOSPITAL



Communication



Storage



Digitalisation of health records



Improved pediatric health care



Conclusion



7. QUESTIONS?

GREAT
ORMOND
STREET
HOSPITAL
CHARITY

