

Shaping a better future

Impact Highlights 2018/19



**GREAT
ORMOND
STREET
HOSPITAL
CHARITY**



James was diagnosed with leukaemia on New Year's Day. Here he is visiting Elephant Ward with his mum.

A better future for seriously ill children starts here.

From little heroes on TV, to UK surgical firsts, this year has had some amazing highlights – all thanks to you. Your support has helped the hospital upgrade its technology, including urgently needed medical equipment and state-of-the-art digital systems. Together, we've helped improve the environment young patients are treated in by updating wards and medical facilities, and offered support to children, families and the staff that care for them. We've also been able to drive forward medical advances through incredible research that could change the lives of children in the UK and across the world.

Here we share just some of the highlights from 2018/19 and take a look to the future, too. On behalf of the children, families and staff at Great Ormond Street Hospital (GOSH) and everyone at the charity, thank you. Your support makes all of this possible.

Highlights from the year



UK's first spinal surgery before birth
GOSH and University College London Hospitals (UCLH) surgeons performed the UK's first surgery to repair spina bifida before the child is born. The fetal surgery, brought to the UK thanks to funding from GOSH Charity, UCLH Charity and UCL, could help children avoid lifelong disabilities associated with the condition.



Paul O'Grady meets some little heroes
A six-part TV series, *Paul O'Grady's Little Heroes*, premiered on ITV. In this heart-warming programme, Paul visited GOSH patients and families from all over the UK, providing a unique insight into their experiences at one of the world's leading children's hospitals.



A bright future for GOSH patients
We hosted our first-ever GOSH Teens Careers Festival, inviting current and ex-patients to take part in CV workshops, interview training and creative team-building challenges. It was a wonderful opportunity for some of our amazing corporate partners to share their expertise and engage with young people.



Incredible progress in lab grown organs
A pioneering team, supported by GOSH Charity, unveiled the world's first functioning oesophagus grown in the laboratory and successfully transplanted into mice. In the future, this technique could change the lives of children born with severe gut problems, offering hope of personalised, rejection-free transplants.

Thanks to you

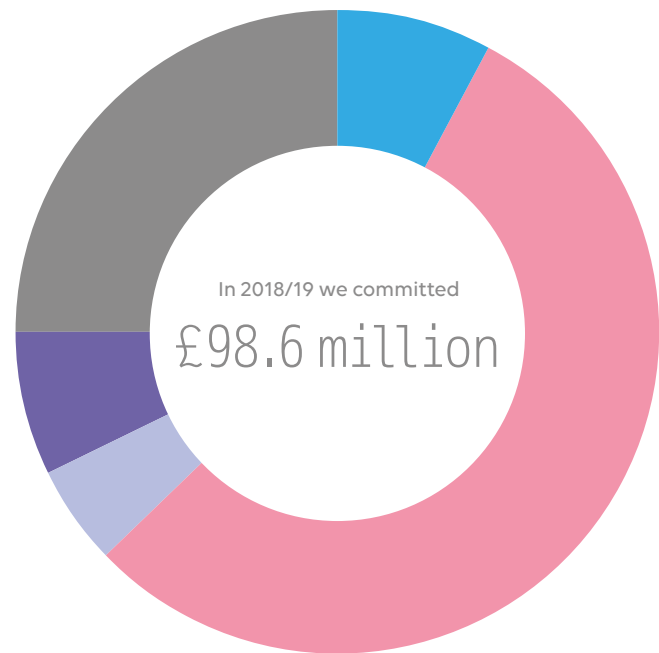
£84.1 million

was raised from donations, legacies and trading.
We couldn't have done it without you!



Harvey, age three, wears brand new pyjamas for his hospital stay.

Where your money went



Every pound counts
Whether it's supporting our four key funding areas, helping us save for major upcoming projects or allowing us to raise more money for the hospital's future, every penny we receive is helping to give seriously ill children the chance of a better future.

71p
Goes directly to charitable activity

29p
Helps us raise the next pound*

*Based on 2018/19

Pioneering research £7.4 million	Supporting world-leading scientists to find the diagnoses, treatments and cures of tomorrow.
Rebuilding and refurbishment £54.1 million	Creating flexible, future-proofed facilities designed around children and young people.
Child, family and staff support £5.1 million	Investing in services to raise children's spirits, ease the burden on families and support the amazing staff who care for them.
Advanced medical equipment and systems £7.1 million	Funding cutting-edge kit to address the hospital's most urgent technology needs.
Running costs and raising funds £24.9 million	Running the charity effectively and efficiently, and raising more money for the future.

The charitable funding figures above include an allocated support cost to cover essential administration of the grants.

Pioneering research

We believe the key to improving the lives of seriously ill children is finding the treatments of tomorrow, today. This year we've invested £7.4 million* into more than 80 research projects, supporting world-leading scientists to offer children around the globe the chance of a better future.

*See page 7

Enzo is seven years old and he's currently receiving treatment as part of a clinical research trial at GOSH. He loves playing on his games console and superheroes - he even has special Batman shoes that light up!



Research at a glance



Hudson, age two, with his brother, Hank

In October 2018 Professor Paolo De Coppi's team unveiled the world's first functioning oesophagus grown in the laboratory and successfully transplanted into mice. The research, supported by GOSH Charity, has the potential to change the lives of children with oesophageal atresia, a condition that leaves the oesophagus disconnected from the stomach.

"For Hudson, an entirely new, functioning food pipe would be a game changer. It would give him a sense of normality, so that he can enjoy his life as fully and independently as any other child. We're excited and hopeful to see where this research goes."

Nicola, Hudson's mum



"Having laboratory research linked so closely with clinical care on one site is exceptional. It's an opportunity to rapidly translate ideas into results that will benefit children. I always had a real ambition to work at GOSH one day and I'm so pleased to be here."

Dr Giovanni Baranello, GOSH Charity Senior Clinical Lecturer in Neurosciences, took up his post in January 2019. Dr Baranello, whose role is part-funded by Muscular Dystrophy UK, will support groundbreaking research and clinical trials into muscle-wasting conditions like Duchenne muscular dystrophy.

Between 2011-2019, GOSH Charity and Sparks funded

150 projects at 47 institutions.

5 surgeries to repair spina bifida performed while the child was still in the womb. Thanks to you, we were able to help bring this incredible service to the UK for the first time.

12 research projects funded across the nation through this year's £2.1 million joint national call with Sparks.



Rebuilding and refurbishment

We believe in creating future-proofed hospital wards and facilities. These spaces should allow GOSH to adapt to changes in medicine and treat more patients in functional, flexible surroundings that help children recover more quickly. This year, we committed £54.1 million* to creating child-centred spaces for GOSH patients and families of the future, including a transformative new centre for children with sight and hearing loss and the Zayed Centre for Research into Rare Disease in Children – a facility that will bring pioneering research and care under one roof.

*See page 7

Lola is 11 and has cystic fibrosis. She comes to GOSH every six weeks. She is also an avid reader and has just finished the entire Harry Potter book series.

Rebuilding and refurbishment at a glance



In October 2018 we kicked off construction of the Sight and Sound Centre, supported by Premier Inn. This specialist outpatient facility is due to open in 2020 and will include quiet waiting spaces, a sensory garden and interior design tailored to the needs of children with sight and hearing loss.

"I have a cochlear implant and, when I go to the hospital, I find it hard to understand what people are saying because it's usually really loud. But having my family and friends with me really helps.

My favourite sound is probably birds in the morning, so I'm really looking forward to seeing the garden in the new Sight and Sound Centre!"

Paris, age 13.



This year we marked one year since the completion of the Mittal Children's Medical Centre, with the opening of the Premier Inn Clinical Building. Ward Manager Philomena Cosgrove's team on Nightingale Unit sees the benefits of the new facilities every day as they care for patients undergoing procedures under anaesthetic. They held a special party to celebrate.


"We've gone from having eight beds to 18. Being able to admit more patients really takes the pressure off inpatient wards, who were having to use their own beds when we didn't have space. Families tell us it's lovely to come back to the same ward after their procedure and be looked after by the same nurse throughout the day."

500

academic and clinical staff will move into the new Zayed Centre for Research when it opens later in 2019. The centre brings together outpatient facilities and laboratories under one roof, helping to fast-track new treatments and cures to the children who need them most.

120

children attended the opening of the Disney Reef, a colourful, underwater-themed outdoor play area where families can take some time away from the ward environment.



Faridat is six years old. She comes to Safari outpatients at GOSH with her mum and grandma to have treatment. While she's at the hospital, she enjoys playing with the toy kitchen and doing arts and crafts in the playroom.

Child, family and staff support

Caring for seriously ill children is about more than just medicine. From psychological support to family meal vouchers, the right support can be hugely beneficial to their recovery, mental health and long-term wellbeing. This year you've helped us invest £5.1 million* in raising children's spirits, easing the burden on families, and supporting staff at the hospital.

*See page 7

Child, family and staff support at a glance



Vinnie, age two, and play worker Tania.



"The Play team at GOSH turn negatives into positives and add some giggles when there are difficult things like blood tests. They always help by distracting you with fun things and make being at hospital not so bad."

Emily, age eight.



Rev Jim Linthicum leads the hospital's Chaplaincy Service, a support team funded by GOSH Charity and hugely valued by both families and staff.

"Our support can help children 'see the bigger picture'. That can really help to reframe their understanding of what's happening, making them feel calmer and more at peace with the situation.


"GOSH staff deal with upsetting situations every day. We help them understand cultural factors or family dynamics that might allow them to support families more effectively."

2,000

families stay in charity-funded accommodation each year. This year we committed to refurbish some of our older accommodation, to ensure families have access to comfortable and welcoming facilities just minutes from their child's bedside.

7,236

meal vouchers were provided to 412 breastfeeding mothers this year.

A photograph of a female nurse with short blonde hair, wearing a blue and white striped hospital uniform, leaning over a young child lying in a hospital bed. The nurse is smiling and looking down at the child. The child is lying on their back, looking up at the nurse. The background shows a hospital room with a doorway and some medical equipment. The lighting is soft and warm.

Lacey is 13 years old, but she's been coming to GOSH since she was a baby. Because she was born without intestines, she's had to have many procedures to help her absorb nutrients.

Advanced equipment and systems

Technology is advancing at an unprecedented rate. You're helping GOSH patients to benefit from these advances, by supporting our investment in cutting-edge systems and equipment. This year we gave £7.1 million* towards flexible, integrated kit that addresses the hospital's most urgent needs, from the latest heart monitors to vital MRI upgrades.

*See page 7

Equipment at a glance



"MRI is a fantastic window into the heart. With the latest software, we'll be able to continue improving cardiac MRI scans, making them faster and more accurate for children and babies at GOSH and elsewhere."

Vivek Muthurangu, Professor of Cardiovascular Imaging.

This year we funded vital MRI software upgrades that will mean shorter scans and more accurate diagnoses.



This year we celebrated the launch of DRIVE – the Digital Research, Informatics and Virtual Environments programme. Supported by GOSH Charity funding, DRIVE's mission is to transform care and the way GOSH provides it by harnessing the latest technologies. By consulting young people, the team hope to ensure their visionary products are tailored to the needs of patients and families. GOSH Young Persons Advisory Group member Maryam, age 14, said:

"My favourite project was the virtual reality. It could have lots of different uses, like helping junior doctors during their training. I thought it was the technology that was the closest to being ready for use."

385

unlinked computer systems at GOSH are becoming one thanks to the hospital's incredible new centralised electronic patient record system. The system, funded thanks to your support, will transform every aspect of patient experience and care at GOSH.

£2.9 million

awarded to give the hospital's cardiac catheter lab an urgent upgrade, helping GOSH specialists treat more children with heart conditions through a tiny 2mm incision rather than open surgery.

Looking ahead to 2019/20



A message from GOSH Charity's new Chief Executive, Louise Parkes:

"I am thrilled to be joining GOSH Charity at such an exciting time. With your vital support, in 2019/20 we'll be pushing forward transformative building projects to improve the care and experience of patients and their families at GOSH, continuing our investment in vital support services, funding advanced technologies and initiating the next phase of our investment in child health research."

- Together with Sparks and in partnership with research charities, we'll make up to £2 million available for pioneering child health research projects across the UK. We'll also launch a new scheme at GOSH to drive pioneering discoveries from the laboratory bench to the bedside.
- We'll continue to fund vital services that support children and their families through difficult times, from the Play team to parent accommodation.
- We'll continue to support the hospital's new electronic patient record system and incredible DRIVE programme, which are helping to ensure technology at GOSH stands the test of time in an age of rapid digital change.
- We're exploring the possibility of funding a new 'Learning Academy' at GOSH, to support staff with the specialist training required to care for children with the rarest and most complex conditions.
- We'll celebrate the opening of the Khoo Teck Puat iMRI suite, which will allow surgeons to capture images of a child's brain mid-operation and reduce the need for surgery. And we'll see the completion of the cardiac catheter laboratory, where children with heart conditions can be treated through a tiny 2mm incision rather than open surgery.
- We will progress plans for a transformative rebuilding project designed to improve the hospital environment and imaging facilities for children with cancer.



Idris, who's nearly two, was born prematurely and has been in hospital his whole life. He loves his older brother coming to visit.

Great Ormond Street Hospital Children's Charity
40 Bernard Street, London WC1N 1LE
020 3841 3841
www.gosh.org

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to be used in this report, as well as the many members of the
charity staff who helped during its production.

The GOSH Charity Impact Report 2018/19 is available to view
at www.gosh.org.

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Oscar, age 12,
has Crouzon
syndrome, a rare,
genetic condition
where the bones
in his skull
fused together
prematurely. He's
a huge Tottenham
Hotspurs fan and
loves anything to
do with sports.





On the cover: Suveeksha is five years old and has been coming to GOSH regularly over the past year. She loves crafting and dancing and really enjoys learning at school.