

# BEAR FACTS 2018



[www.tchc.org.uk](http://www.tchc.org.uk)  
0114 271 7203

News from

**The  
Children's  
Hospital  
Charity\***



# BEAR FACTS

The  
Children's  
Hospital  
Charity\*

## Contents

A few facts and figures.....	04
Specialist medical equipment.....	06
New facilities – your new children's hospital ....	08
Improvements to the hospital environment .....	10
Leading the way in research .....	14
Your support changes lives.....	16
Our promise.....	17
Current appeal.....	18

The Charity Team want to say thank you to all the children and North Creative Studio who helped us produce this edition of *Bear Facts*.

## Get in touch

The Children's  
Hospital Charity  
Western Bank  
Sheffield, S10 2TH

Tel: **0114 271 7203**  
Email: **support@tchc.org.uk**  
Web: **www.tchc.org.uk**

Follow us on [t](#) [f](#) [i](#) [in](#)



# WELCOME TO BEAR FACTS

**A**s a play specialist at Sheffield Children's Hospital, I can see how beneficial a child-friendly and engaging environment is to the thousands of patients who come to our hospital for treatment every year.

The play team recognise that being in hospital is a difficult time for children and we aim to distract them with toys, games, stimulating environments, and interesting elements within the hospital, engaging children in play, positivity and creativity. Through this environment, the play team aim to make children and young people feel relaxed, safe, involved and have positive experiences to reflect on of their stay in or visit to our hospital.

The hospital opened its new wing fully in April 2018 and patients now have another exciting place to visit – a giant Play Tower which is inviting and intriguing!

The Play Tower is the first thing that patients notice when they come in to the hospital's new main entrance and Outpatients Department – which is exactly what we want. When children come in to hospital for an appointment or for a procedure they can often be anxious. Hopefully the new environment will give them something exciting to spot and will help patients to remember their visit to hospital in a positive way.

Our charity funds enhancements that are over and above standard NHS provision, and your donations really do make a difference. Every pound makes our hospital better and helps us fund things like the huge Play Tower.

**Shabnam Ahmed**  
Play Services Team Manager

# A few facts and figures

Here are a few facts and figures of what you have achieved, thanks to all your generous donations, sponsorship and fundraising. You are amazing! We have raised over £10 million for the Make it Better Appeal since its launch and in 2017/18 you raised a whopping £2.9 million. Thank you!

## How you raised the money:



Christmas Tree Collections  
**£10,042**



500 took part in our first Team Theo Glow Run raising  
**£38,800**



**£75,200** was raised through raffle tickets



Teddy Bears' Picnic at Abbeydale Miniature Railway  
**£3,333**

**178**

businesses took part in Mistress Cutler's Challenge  
**£28,000**

60 Cyclists  
**£28,911**



Golf Days  
**£67,936**



12 of you cut or shaved your hair  
**£5,328**



1,440 running challenges raised  
**£161,050**



**16** swimmers  
**£5,610**



**31** took on an extreme challenge  
**£8,370**

74 walkers  
**£58,892**



**£40,000** pledged by 36 schools showing their support with Christmas snowflakes

148 festive snowflakes supported by local businesses has topped  
**£130,000**



## Why our hospital is amazing:



**1 of 4** specialist children's hospitals in the UK



**269,000** children come from all over the world each year for treatment at Sheffield Children's Hospital

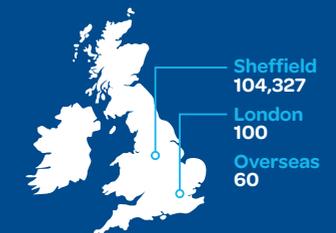


**2191** emergency road and air ambulance transfers by our Embrace service

**Every week** we see a huge number of patients and their families...



In 2017 patients from around the world visited our Outpatient Department



Bone experts from Sheffield Children's Hospital travelled to India to give life-improving surgery to 40 children and provide advanced medical training to 85 medical staff

**153,872** children and families seen at community and mental health appointments

# Life-saving specialist medical equipment

Your donations fund pioneering equipment which is not available on the NHS, keeping Sheffield Children's Hospital at the forefront of paediatric care and giving every child access to the best treatment.



12 year old Ella Sparham was one of the first patients to use the Multipurpose Fluoroscopy Machine which was funded through the Herd of Sheffield, our Children's Champions and Dan Walker's Golf Day. Ella's condition means her kidneys don't flush properly, causing frequent infections, pain and discomfort. It also prevents her from enjoying many of the things her friends enjoy, like sleepovers. After being referred to Sheffield Children's Hospital, Ella now has a diagnosis and urology specialists have begun treating her.

In 2017, a combination of Christmas donations, our Children's Champions and match funding from Graham Royle and Matt Davison financed a new state-of-the-art SPECT CT Scanner for £800,000. This scanner incorporates nuclear medicine gamma scanning (SPECT) with an inbuilt CT scanning function, which sounds very technical! But simply, it means radiologists can receive more information in one scan and tailor treatment straightaway. For those children with cancer, it means they may be able to avoid unnecessary therapies that can leave them feeling very unwell.

## A few other highlights:

### A Multipurpose Fluoroscopy System £450,000

It might be difficult to say but the Multipurpose Fluoroscopy System is a life-saving piece of equipment. It can quickly spot blockages to blood flow when every second counts. If a child has internal bleeding, we need to know where that is quickly as it can be the difference between life and death.



### EOS £370,000

EOS combines a body scan in a standing or seated position with a low radiation dose and the possibility of 3D reconstruction of the spine, hip and lower body. With the EOS we can diagnose orthopedic problems using a detailed analysis of posture.



### Vitamin D Analyser £180,000

You funded a machine which helps spot vitamin D deficiency. GPs may send a referral for Vitamin D analysis if patients have symptoms like constant tiredness, skin complaints, bone pain and muscle weakness. This new piece of equipment means the impact of vitamin D levels can be explored.



### Eight Defibrillators £8,000 each

These multi-function defibrillators have the most up to date technology, with a special paediatric defibrillation algorithm to ensure that smaller children are automatically given the right amount of electric shock to save their life.



### Two Portable Sensory Units £6,000

We all know how important sensory stimulation is for children and it is even more important in hospital. This special unit means it is taken to the patient as some children aren't able to move from their bed.



### Accuvein Vein Locator £3,000

It does what it says... it helps our clinicians find a vein! It is held above the skin, and the patient's veins can be seen on the surface of the skin which saves valuable treatment time.



# New facilities

## Your new children's hospital

You may have noticed a few changes at Sheffield Children's Hospital! Thank you to everyone who has donated and raised lots of money for our Make it Better appeal. You have all literally changed care for children today, tomorrow and for years to come!



The difference your donations have made is life-changing. Here are a few exciting changes you have made possible:



A brand new spacious Outpatients Department. Can anyone remember what the old Outpatients was like? No, neither can we!

Two secure and safe outdoor spaces meaning our children and their families will have somewhere to play outside and get some fresh air.

13 clinical treatment rooms such as a Growth & Measurement Suite and Plaster Room all of which have been sponsored by some very kind companies and supporters.

Westfield Health funded a new digital X-ray in the new Outpatients. This state-of-the-art system means that X-rays can be available in just four seconds.

46 single bedrooms and 6 four bed bays which do not look like your normal everyday hospital room.

Physiotherapy & occupational therapy previously took place at the patient's bedside and in public spaces such as the corridor and stairs. We now have private rehabilitation spaces which will make it easier for patients to reach their goals.

New patient entertainment systems for each bedroom in the New Wing.

A Play Tower was built to bring play into a child's visit to our hospital creating exciting distraction and fun, away from their hospital wards.

Turn over for more



# Improvements to the hospital environment



Play can be a very important part of treatment for children. As well as being used for fun, it also creates distraction and can be used to teach children about their treatment in a language they understand.

**O**ur surroundings have a powerful effect on how we feel, and that's especially important in a hospital, where the environment can influence the wellbeing and comfort for our patients and their families.

Graham Royle, CEO of GRI Group who has match funded two Christmas appeals said, *"The Children's Hospital Charity is renowned for funding highly specialised technology for improving patients' treatment but less well known for its hugely important investments in patients' wellbeing. It is believed that relieving stress aids recovery."*

**Artfelt**  
making hospital  
feel better

**A**rtfelt, The Children's Hospital Charity's arts programme, is amazing at transforming the hospital's walls and spaces with bright art, helping children recover in an environment tailored to them. The programme provides workshops for youngsters as a distraction aid before an operation, or to break up long stays on the wards.

Artfelt worked with acclaimed designer Morag Myerscough on the bedrooms in the new wing, devising four colourways from bright to calm and using standard hospital materials in a new way. We believe the rooms make a real difference to the experience of being in hospital. As Morag says, *"It was just about making a bedroom that you felt good to be in."*



## Medical Daycare

Our Medical Daycare department has become home to ten brightly coloured characters. In workshops led by illustrators Pencil and Help, patients waiting in the department were asked to design characters who they thought would enjoy a giant game of hide and seek. These were then given a professional polish and brought to the walls for all to see.

One of the designers was 8 year-old Phoebe, who is treated regularly in the department for juvenile arthritis. She came up with the idea for Coloray, a long legged creature with an extra eye in his tummy who Phoebe said is a, "silly character" and who is "just average at hiding". The hide and seek game develops throughout the department where children are able to go on different routes to find the characters.



## Here are a few other projects we wanted to tell you about:

### Haematology and Oncology Unit

As a regional centre for cancer treatment for children, Sheffield Children's Hospital outgrew its facilities and with PACT built a brand new state of the art Haematology and Oncology Unit. The centre has five times the treatment space and Artfelt has worked with architects, patients and staff on producing a joyful art scheme throughout the department alongside Australian artist, Leah Bartholomew.



### Quentin Blake

Artfelt has worked with Sir Quentin Blake, bringing some of his best-loved illustrator to our hospital. The commission includes four large-scale wall vinyl illustrations and 11 framed prints depicting Roald Dahl classics such as *BFG*, *Matilda* and *The Twits*. They can be found throughout the new wing of the hospital in waiting and parents' rooms and on the ward walls.

### Embrace

The staff from Embrace fundraised themselves so they could make their ambulances one of a kind. Artfelt worked with Tado to provide characters for the inside of the service's four new ambulances. Monochrome artwork was also created for the ambulance's incubators, carefully designed to be seen by Embrace's youngest patients.



# Workshops



*What a parent said: "This service is vital when small children come into a big environment like a hospital. It is great distraction for children AND adults."*

From pottery painting to mother's day cards, Workshop Co-ordinator Charlotte uses visual arts and crafts to get children socialising, expressing and enjoying themselves – a valuable way to distract patients from their treatment so they can get better more quickly. Here are few workshops we wanted to tell you about:

### Child and Parent Portraits

This workshop was for both the patient and their family, as they were set the challenge of doing a portrait of each other. This helped create a dialogue between the family which was fun and exciting.



### Music Workshops

Brightside Music visit once a month, giving our young patients the chance to try out different musical instruments and make live music with other children – from singalongs to one to one music sessions by bedsides.

### Chinese New Year

The children made Chinese fans and stained glass style dogs to celebrate the Year of the Dog.



# Leading the way in research

We fund up to £250,000 of vital research every year to ensure future generations receive the very best healthcare – through better treatment and better diagnosis.



**Amplitude integrated encephalography (aEEG)** measures brain activity by attaching leads to a baby's head, and is used routinely in term babies who have brain injury because of a difficult birth. There is little information on how useful aEEG is in premature babies, however the few existing studies suggest that the aEEG is different in premature babies with brain injury, infections, meningitis, and in those receiving certain drugs. It is theoretically possible that, if we can detect changes using aEEG early on, we will be able to adjust treatment to make a baby better.

If you have had a baby you will probably remember the heel prick test. We funded a study to determine the **stability of Vitamin D in these spot cards**. If an infant has unexplained fractures, although physical abuse may be the cause, all possible innocent explanations such as underlying disease must be excluded first. One such underlying condition is rickets, a disease of growing bones that makes them more likely to fracture, even under normal day-to-day handling.

We funded a project called **ThermPaed** which aims to develop High Resolution Thermal Imaging as a noncontact, child-friendly means of measuring and monitoring airflow. 6% of children aged 1-3 have pauses in their breathing during sleep called apnoeas. The condition needs accurate diagnosis to ensure correct blood oxygen levels.

## Eve's story



**E**very year we fund up to £250,000 of research into the prevention and cure of childhood illnesses and disease. One of these projects developed 3D models and images to help young patients like Eve Phillipson from Doncaster. The two-year-old was diagnosed with Congenital Diaphragmatic Hernia (CDH) while still in the womb and Mum Rebecca was told she had a 50:50 chance of survival. The condition, which affects one in every 10,000 new-born babies, occurs when there is a hole in the diaphragm, which causes organs to enter the chest and squash the developing lungs.

Thanks to your donations, our charity funded research to improve the information provided to surgeons and parents during pregnancies where CDH is suspected. It uses an MRI scan taken at the same time as an ultrasound to make 3D animations and models of the developing baby. This helps the surgeons see the extent of the damage and the displaced organs. Crucially, the models and images are also provided to parents, helping to ease their anxiety. This type of research, which saves children's lives, is only possible through legacy donations. Research helps keep our hospital at the forefront of paediatric care, helping children today, tomorrow and in the future.

# Your support changes lives

Anyone and everyone really can make a difference to the lives of children who visit our hospital. Thanks to every pound you raise, your incredible support funds those extra enhancements which are above and beyond the NHS provision.

There are many ways you can get involved and help make our hospital better:

Become a **regular giver** and donate little and often. £5 a month makes a massive difference for the families we support.

Join **Team Theo** and take on your own challenge whether that's baking a cake or running a marathon! We'll support you along the way... go on you know you can do it!

Join us on one of our many **events**. Visit our website to find out more.

**Take us to work** and get your colleagues involved! Whether it's a Christmas poster or a sweepstake, there is lots you can do.

Remember the charity in **your Will or write a Will** with our partner solicitors, Irwin Mitchell. They will offer you a discounted fee and make a donation at the same time.



## DID YOU KNOW...

Referrals to our hospital have risen by more than 34% in the last five years highlighting that our hospital is at the forefront of paediatric care.

Our emergency department sees up to 200 children per day, that's 57,000 children each year.

Our hospital is not just in one place. Our health visitors and school nurses work with the local authority and GPs to ensure that children are kept healthy. Our community paediatricians, nurses and therapists work with families to minimise hospital stays.

## Our promise

We couldn't do what we do without your help. Together we help children like Eshani get better at Sheffield Children's Hospital. Eshani has made a promise to say thank you for helping her to get better so we want to make you a promise, as you continue to support us.

## We promise to:

### 1. Keep your information safe

We will never pass your information on to anyone else.

### 2. Keep in touch only in ways you request

We will only contact you in the ways you're comfortable with, and we'll make sure everything we send is relevant to our work and the ways you can help.

### 3. All your information will be private, confidential and secure

### 4. You will never see us at your door asking for donations

### 5. We will work hard to make it better

For you and all the patients who visit by funding enhancements the NHS does not cover.



*Eshani was treated for an abscess on her appendix and now she takes part in fun runs to say thank you.*

# So what's next?

We have some new very exciting BIG projects which may make you think "that's too much for me," but if everyone you knew gave £10 then we would already be one step closer to, together, developing our special hospital even more.

## Haematology & Ward 6 £2.5 million

Our Haematology & Oncology Department is the Principal Treatment Centre for children with cancer and leukaemia from babies through to 19 year olds within South Yorkshire, Lincolnshire and North Derbyshire. Patients travel from as far south as Northampton for treatment at our special hospital. We also treat patients who have other haematological problems such as bleeding and inherited disorders. Ward 6 is dedicated to these special patients, with 14 beds and we want to completely transform this ward and deliver a brand new space with world class facilities.

## Paediatric Major Trauma and Urgent Care Centre £10.5 million

Not every city has a dedicated children's Emergency Department and we need to make ours even better. It was designed to see 35,000 patients a year but is now seeing around 57,000 a year. We want to transform the department to help improve privacy as well as providing more appropriate facilities for different patients.

## Helipad £5.6 million

In emergency situations we want to get our children to the best care possible as quickly as possible. Minutes make a huge

difference in major traumas as the patient needs to receive critical care within an hour. In 2016, 16% of children with major trauma arrived by air ambulance but they landed in Weston Park, crossing the road on a stretcher. We want to build a Helipad on the top of our hospital so we can transfer really poorly children to our clinicians and surgeons as quickly as possible.



## Patient Entertainment

On surveying parents and patients, 73% wanted a Bedhead TV with the option to use a mobile device with WiFi. Each system costs £3,000 and we have already funded the units in the new wing so we need to now fund the remaining wards throughout the hospital.

## Not everything is big!

We also fund small projects which still have a big impact.



**£10** could pay for distraction toys and equipment to take a child's mind off their treatment. If children can play while they wait, then it can relieve stress for both the parent and the child.



**£15** could pay for swimming aids in our hydrotherapy pool at the Ryegate Children's Centre.



**£30** could pay for craft materials at a party to help bring patients and their families together. Getting a support network around you with similar conditions will help the road to recovery.



**£50** could pay for a Buzzy Bee pain distraction device. Buzzy is a very cute vibrating bee with ice pack wings that decrease sharp pain so in effect natural pain relief.



**£150** could pay for a Giggle Doctor to visit our young patients, making them smile at what is often a difficult and anxious time.



**£500** could pay for furnishings, making the clinical comfortable. Our surroundings have a powerful effect on how we feel, and that's especially important in a hospital.

# Thank you!



**W**ould you know looking at John Junior that he was a patient in intensive care, has had five operations, two blood transfusions and spent six months on a ward? No neither did we when we first met him. By giving a regular donation you will be making a difference to patients like JJ.

## Donate

**1** Making a **REGULAR DONATION** of £5 a month is one of the easiest ways to support us. Register online or get in touch for more details.

**2** Give a **ONE-OFF DONATION** with whatever you can afford. Go online, send a cheque or text THEO16 £5 or £10 to **70070**.

[www.tchc.org.uk](http://www.tchc.org.uk)