

A woman with long dark hair, wearing a white sweater, is sitting on a couch. She is holding a white TytoCare device against the back of a young girl with her hair in a ponytail. The girl is holding a smartphone that displays a video call with a male doctor. The woman is smiling and looking at the device. The background is a simple living room setting with a grey sofa and a white wall.

# TytoCare

## Working with the NHS



# Cooperation with the NHS

- 2019 – Pilot with Bradford Teaching Hospital:
  - Focused on remote monitoring for pediatric patients and respiratory care
  - The project has won the “Most Promising Pilot” HealthTech HTN award
- 2020 – Following the successful pilot with Bradford, NHSX, who are helping drive digital transformation across the NHS, launched and funded a Virtual Wards (remote monitoring) program to accelerate the adoption of digital tools in primary care.
- The project has involved 14 NHS trusts in the Yorkshire & Humber region (north England)
- Among those are leading NHS Trusts - Leeds, Calderdale, Sheffield and Bradford.
- There are 26 projects - (clinical pathways) that have been reviewed
- The AHSN Y&H have supported the implementations and working closely with TytoCare.





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EMEA Telehealth

## Bradford partners with TytoCare to provide virtual consultations for children with acute health conditions

NHS Trust will implement telehealth solution to provide patients remote physical examinations in their homes.

By **Tammy Lovell** | December 30, 2019 | 05:41 AM



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## Yorkshire and Humber trusts sign deal with TytoCare



Telehealth company TytoCare has expanded its presence in the NHS after signing a deal with 14 trusts within Yorkshire and Humber.

The deal follows TytoCare's successful pilot with Bradford Teaching Hospitals NHS Foundation Trust, which was the first trust in the UK to partner with TytoCare in 2019. The pilot involved TytoCare's hand-held, all-in-one device for remote examinations being used for chronic paediatric respiratory patients, paediatric patients with ENT conditions and paediatric palliative care.

The expansion will see the company's telehealth solution being used as part of the region's Virtual Wards Project which involves 26 projects.

TytoCare's platform enables the sharing of exam data, live video exams and scheduling of visits. TytoCare's solutions also feature a cloud-based data repository with analytics and built-in guidance technology and machine learning algorithms to improve accuracy, ease of use for patients and the resulting insights for healthcare providers.

# Use Cases of NHS Projects

- Hospital@Home for Paediatrics, respiratory, gastro, complex needs (CMC), home ventilation, palliative care
- Respiratory@Home programmes
- Community Nurses supporting Patient@Home programmes
- Remote GP consultations for Care homes
- Remote monitoring of chronic patients at home to avoid hospital admissions (e.g. weekends, nights)
- Remote specialist support across hospitals /care settings to avoid patient transfer / travel
- Remote monitoring of patients pre and discharged post-surgery
- Remote diagnosis of ENT cases to determine care plans, optimize patient outcomes and reduce hospital visits.



# Objective of the Paediatric Virtual Wards Project

- TytoCare is being used clinically across 14 providers in Yorkshire & Humber to deliver high quality, virtual care to patients, with initial measurable benefits being reported by 1st April, 2021.



## NHSX Virtual Wards (TytoCare) Project Briefing



### Background

In 2020, NHSX initiated a new Joined-Up Care Programme to build on the digital health gains achieved during the COVID-19 pandemic and accelerate the scale of using digital innovations to transform patient care. NHSX is collaborating with each of the NHS regions, including the North East & Yorkshire, to implement the programme.

Yorkshire & Humber AHSN is supporting implementation of the Virtual Wards (TytoCare) Project along with several other projects within the Joined-Up Care programme.

The purpose of this briefing is to update health and social care organisations who have volunteered to be involved in the project.



## NHSX Virtual Wards (TytoCare) Project Briefing

### Aim of the Project

The Virtual Wards (TytoCare) Project builds on an innovative pilot undertaken by Bradford Teaching Hospitals NHS Foundation Trust for Respiratory Paediatric patients.

Recognising the potential to scale up benefits from this pilot, NHSX has subsequently funded TytoCare's TytoPro™ and TytoHome™ devices for 14 Yorkshire and Humber health and social care organisations, over 12 months, to further test the Tyto telehealth device and its unique capabilities in delivering virtual care.

The project's aim is to develop use cases and recommendations for how Tyto can reduce the need for healthcare admissions and in person attendances, enhancing the care that can be provided for patients remotely. This is for patients who are at the end of life, have long term conditions or have recently been discharged from hospital.



### What is Tyto?

Tyto is a handheld exam kit and app that lets you perform guided medical exams anytime, anywhere. The observational data captured by the Tyto device is sent to a clinician to review and make decisions, e.g. issuing a prescription or arranging ongoing monitoring.

Tyto can be used to diagnose a range of acute conditions such as colds, flu, ear infections, bronchitis and sore throats. It can also be used for monitoring and managing patients with chronic conditions such as COPD, high blood pressure, asthma, congestive heart failure, eczema and diabetes.



### It can be used to capture data from patients in two modes:

- **Offline exam** – where data is captured and stored for review by a clinician at a later date.
- **Online exam** – where data is captured and shared via a live video consultation with a clinician.

### There are two types of devices that have been procured as part of this project:

- **TytoPro™** – for use by clinical professionals who capture data directly from the patient, for example a community nurse. These devices have been funded by NHSX on a monthly licence basis for 12 months.
- **TytoHome™** – for use by patients and families or carers, for example, if the patient has complex needs or has recently been discharged from hospital. These devices have been procured by NHSX for each provider, with a monthly licence fee paid for 12 months.

