



# Innovation @ UHD

Innovation is at the heart of how we provide quality of care and anyone can be involved innovation.

Hosted by UHD, Dorset is one of four hubs in the UK, having recently been awarded funding by the Health Foundation to improve the adoption of innovation.

Innovation is defined as an embedded culture covering the spectrum of improvement, adaptation and adoption of existing innovations and invention.

Click on the buttons below to find out more about our Dorset Innovation hub and to get a flavour of the innovation we are involved in.

[Dorset ICS innovation Hub - our vision and what we do \(video\)](#)

[Case study – HeartFlow inc. video](#)

[Case study: Covid oximetry at home](#)

[Case study: Prevention of cerebral palsy in preterm labour](#)

# National example of innovation & implementation

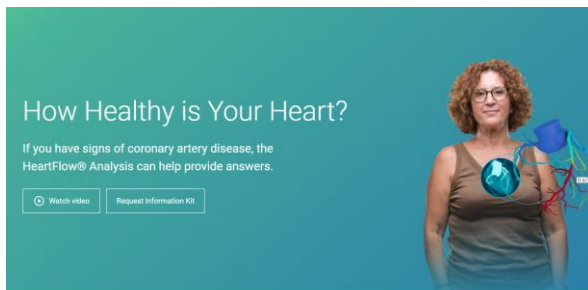
**Description:** HeartFlow FFRCT estimates fractional flow reserve from coronary CT angiography (CCTA) for patients with stable, recent-onset chest pain, therefore avoiding invasive investigation and treatment.

## Patient benefit (as stated by NICE):

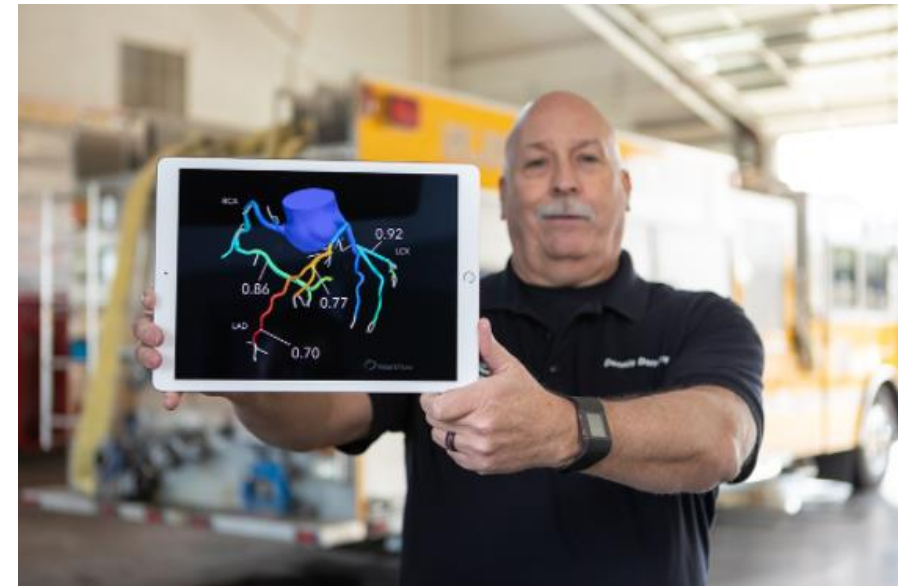
- Replaces need for an invasive procedure in a specialist cardiology procedure suite.
- Reduced length of stay.
- Reduced hospital visits as multiple diagnostic tests such as exercise tests and stress tests are not required.
- Faster diagnosis.
- Reduced waiting times for patients waiting for a procedure in the specialist cardiology procedure suite.

## Implementation in Dorset:

- Mandated by NHS England from 1st April 2021
- Poole and Bournemouth Hospital sites early adopters (pre-mandate)
- Dorset County Hospital assessing and moving to implementation



How healthy is your heart video:  
<https://www.heartflow.com/patients/overview/>



# Local example of innovation & implementation

**Description:** **Covid Oximetry at home (CO@H)** model is a primary care led service, providing a system wide, reactive, and proactive model. Daily on boarding of patients from all GP settings, urgent care and ED into a single telehealth hub, located within Dorset Health Care, provides Dorset with the first system wide coordinated response to caring for people with Covid, promoting self monitoring and escalation quickly on deterioration.

## Patient benefit:

- CO@H team identifying deteriorating patients and improving outcomes.
- Delivery demonstrated immediate benefits during Covid-19, supporting clinicians to remotely monitor their patients more effectively and efficiently.
- Dorset fast adopter and actively led and contributed to regional and national forums, sharing insights, developing resources for benefit of the wider NHS.




## Implementation in Dorset:

- CO@H model is accessible to all 18 primary care networks (PCNs) and the three acute trusts within Dorset.

See South Today news video of CO@H at <https://wessexahsn.org.uk/programmes/49/covid-oximetry>

▶ **FEATURED VIDEO**



Covid Oximetry at Home on BBC South Today

[BROWSE ALL VIDEOS](#)



Case study:  
Prevention of  
cerebral palsy in  
preterm labour

<https://wessexahsn.org.uk/projects/286/precept>



## PRECEPT

Programme(s):  
National Programmes

Workstream(s):  
Supporting Adoption and Spread of Promising Innovation

**PRECEPT stands for the prevention of cerebral palsy in preterm labour. It was selected by NHS England as one of the seven programmes for adoption and spread across the national AHSN Network during 2018-2020.**

PRECEPT was developed by the West of England AHSN in collaboration with University Hospitals Bristol NHS Foundation Trust and involved both patients and staff. The intervention was adopted by all five maternity units in the West of England. Since the launch of the project in August 2014, phase one of PRECEPT has prevented seven cases of cerebral palsy across the region.

This evidence-based, cost-effective project was designed to help reduce cerebral palsy in babies through the increased antenatal administration of magnesium sulphate (MgSO4) to mothers during preterm labour, costing from £1 per individual dose.

Between 4,000 and 5,000 babies are born before 30 weeks' gestation in England per year and stand to benefit from the full national roll-out of the PRECEPT programme.

Successful scaling up of PRECEPT is likely to prevent several hundred cases of cerebral palsy per year, based on highest grade evidence. This work will be led by the West of England AHSN working in partnership with all 15 AHSNs across the country. This work also aligns with the Maternal and Neonatal Health Safety Collaborative (MNHSC) change drivers and the national Patient Safety Collaboratives (PSCs).

PRECEPT is also running in tandem with the PRECEPT Study, a research trial nested within the national programme, funded by the Health Foundation. This aims to assess the effectiveness of two different quality improvement approaches in implementing the project across a subset of maternity units. Of the 152 maternity units across England in the PRECEPT Programme, 40 maternity units have been randomly selected to be part of the PRECEPT study. Within this group, 13 units are receiving enhanced QI support from the Study team, and 27 units are being observed while implementing the standard QI support model.

### FEATURED VIDEO



PRECEPT



A Mother's Perspective on the PRECEPT