

PROMISE - Pressure Reduction using Continuous Monitoring In the Community Setting

Cornwall Partnership NHS Foundation Trust was the lead organisation to deliver the PROMISE project.

A Scaling Up project funded by the Health Foundation

There were four clinical adopter sites:

- Redruth District Nursing Team, CFT
- Tissue Viability Team, Live Well Plymouth Community Trust;
- Tissue Viability Team, Torbay and South Devon Community Trust;
- Tissue Viability Team, Somerset Partnership Trust

The project had an independent evaluation partner, Cedar (Cardiff and Vale University Health Board)

Plymouth/Southampton Universities provided expert clinical and academic advice.



Torbay and South Devon
NHS Foundation Trust



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PLYMOUTH



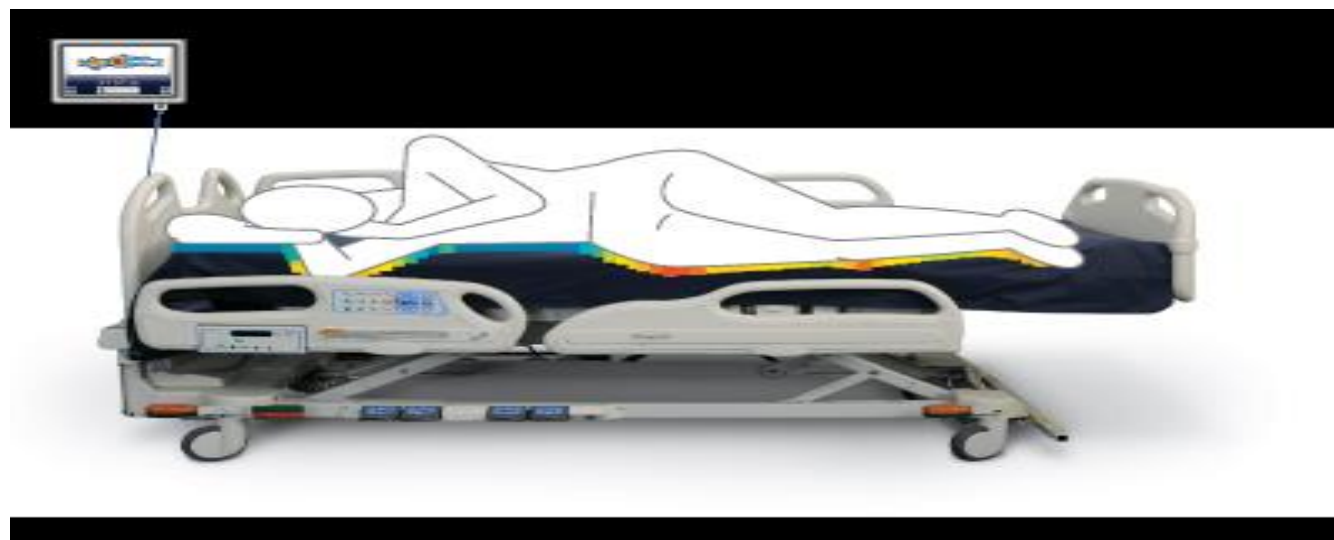
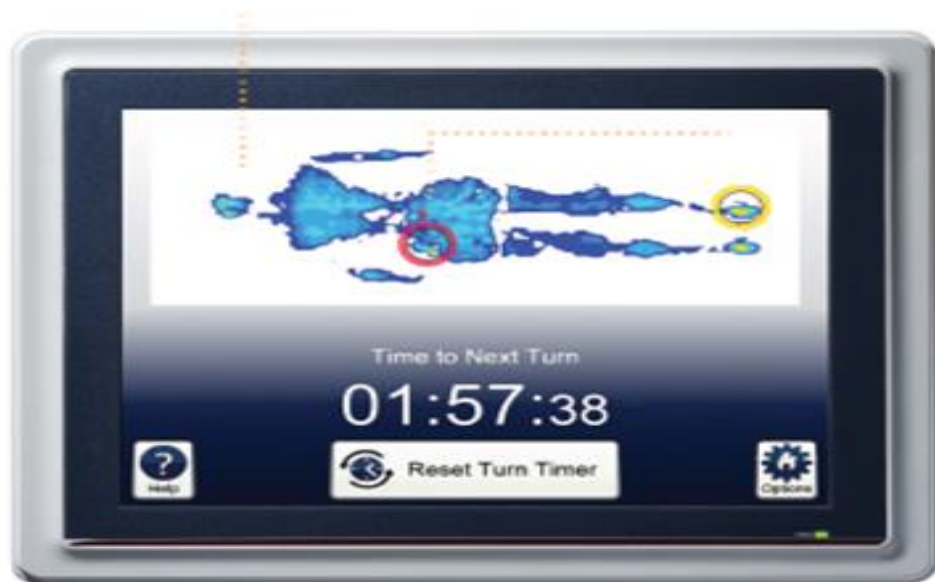
UNIVERSITY OF
Southampton

Livewell
Southwest



Cedar





Key Intervention Components



Pressure monitoring equipment and training

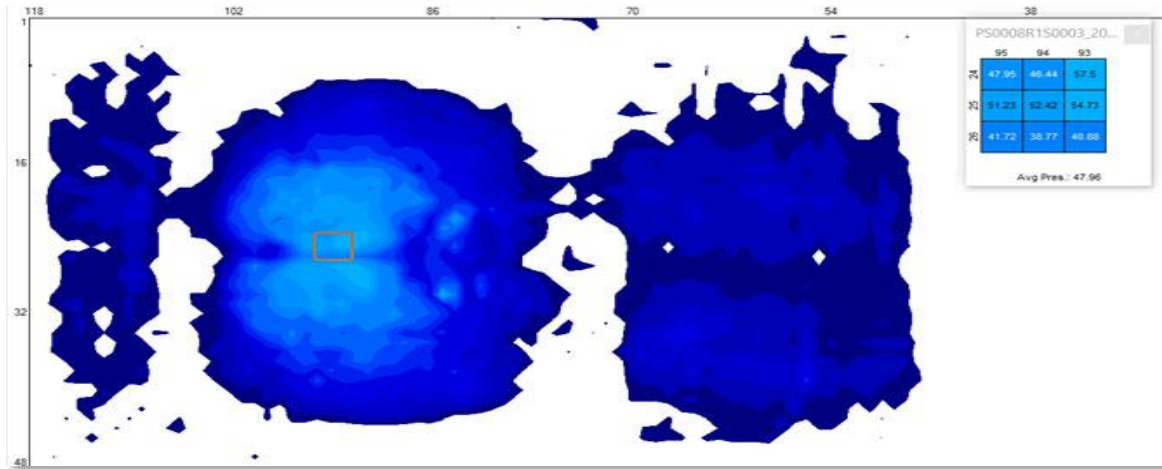
Monitoring over **extended time period**

Sharing information from mapping with patients and carers

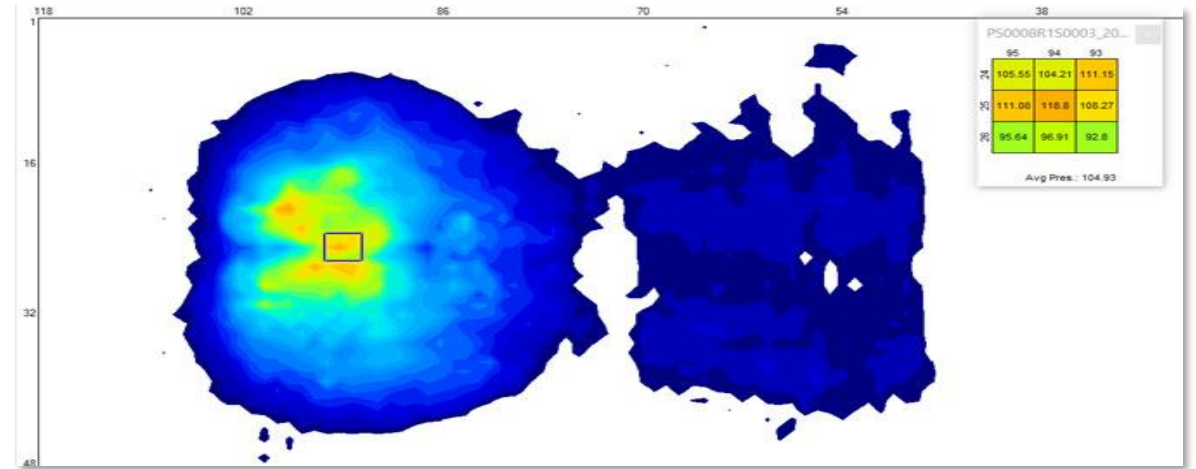
Holistic approach to finding an appropriate solution

Extended **follow-up** to monitor progress

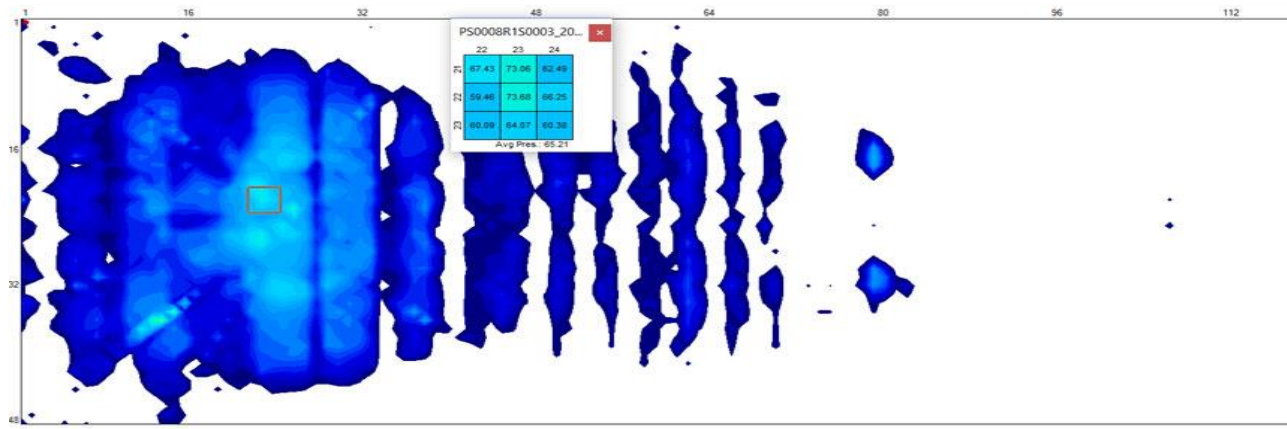
Processes to provide **required equipment**



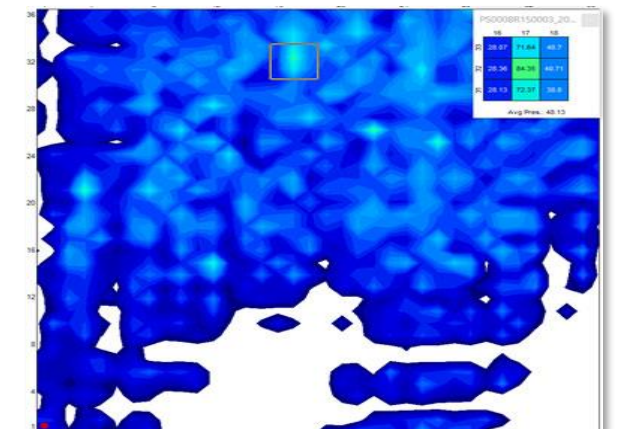
Sept 17 Agreed to pressure monitor and new technology mattress



After 12 hours in bed Sleeps upright with pillows under knee. No backrest used

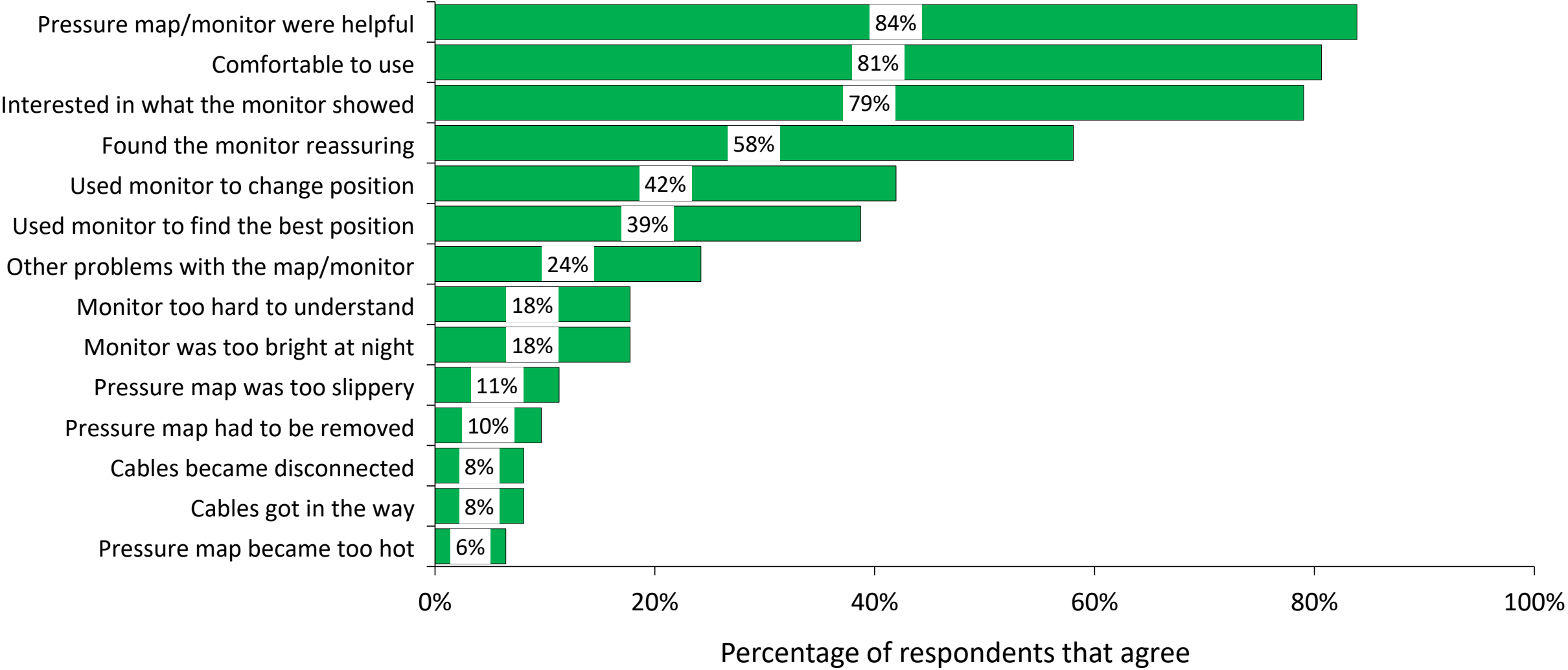


Sept 26 Agrees to Dynamic Deepcell



Air Flotation Cushion

FEEDBACK ON PROMISE



Case Study

John's story

John is a 67 year old male with progressive MS affecting his legs and who relies on his carer wife Anne to transfer and position on his bed and chair.

Before starting PROMISE, John had a two year history of Category 2 pressure ulcers, which at times, caused pain and discomfort, and were recurring despite traditional wound care and creams.

Anne describes the frustration as the deliverer of her husband's care on a day to day basis, adhering to all advice provided "yet it just wasn't healing and I wanted to know why".

John - "It made a big difference on the display/monitor. When it was on the bed at first, you could see the red parts on the monitor - there were quite a lot of them.... I could understand what was going on because she explained it very well and it doesn't take a university lecturer to see the red areas!" "Then she put a topper on the mattress which is air pumped and that again made a difference to the pressures. Everything was in the blue."

Reducing the Guesswork

"It gave me the ability to identify which piece of pressure relieving equipment wasn't working. We hadn't been able to do this before and couldn't have done this without PROMISE." PROMISE Nurse 4

Increased Sense of Patient and Carer Empowerment

"It was as plain as plain can be... I'd been using the old way of putting X on the bed for eight years and it only took me two seconds to see how a small movement can add extra pressure and how to do it the right way. It's very logical and once you understand what is going on between the body, mattress and chair, it's simple!" Carer 4

"It has definitely helped me. I think pressure mapping is a pretty good idea. The nurse and the patient can see what's going on" Patient 1

Promotion of patient centred approach

"It has made a lot of difference to me. It helped me understand the positioning ...and made me turn over a bit differently or be on my side so that I kept off that pressure sore a bit... and it made me reposition more than I'd have done before." Patient 3

Improved Multi-disciplinary team working

"It has encouraged multidisciplinary working ... as the nurses wanted to be sure it would give her the pressure relief needed and we were providing the postural support in the chair... and is brilliant from that point of view." HCP 1

Patient and carer centred

“They were all brilliant, they were all so nice to him and they gave him a choice to answer properly and they were great. During it all they kept saying to my son ‘It’s up to you... it’s for you and we need to know what you think.and it was good as I was bouncing things off the Promise Nurse that I had in my mind but hadn’t had anyone to talk to about.” Carer 3

“She told me she was really happy that she’d been listened to and not ignored and that we had looked at the bigger picture as her son hadn’t wanted a change of mattress.”
PROMISE Nurse 2

“They’ve all been really supportive. They’ve all asked about how I feel. The nurses asked if I wanted a chat about things. They couldn’t have done it any better.” Carer 2

Achieving quality of life objectives

“The best part for me is that she loved watching the programme Casualty and as someone in the family was able to get her a visit to the set. However, it meant she would be out all day and she didn’t think she could go as it would put too much pressure on her bottom and she was really sad about this. Through PROMISE and checking her chair, I was able to tell her that there was no reason why she shouldn’t go. I left the decision to her but it was nice as a nurse to be able to use PROMISE to help my patient to do things.”

PROMISE Nurse 3

Challenges identified in PROMISE

SS

- SS loses data if battery runs out
- SS battery life is low
- SS blue tooth collection is often lost – need this to monitor wheelchair patients
- SS can switch itself off, losing the data
- List of Patients on monitor can be a governance issue
- Monitors are hard to switch on
- Equipment is not robust for community use resulting in short self life of consumables
- Easer user guide for patients
- Faulty charger system, particularly for SS

PT

- PT connection is temperamental and requires to be switched on and off several times
- PT not working on occasion
- PT can take several times to download data
- PT Unable to show data to patient until downloaded
- USB connect into monitors are wobbly often become disconnected
- USB connect on the bottom of the screen making it difficult to put on stand
- Monitors become hot when left on for long periods of time (both)
- Large data files, making saving to NHS servers difficult/governance (both) have to reduce and then not easy to review later
- If save data and overwrite file name – properties don't identify original date and time, only date and time modified
- Staff have questioned the heating effect from the ForeSitePT system, monitor and map.