

Overcoming the inpatient observations challenge

Using innovation and technology to improve patient safety, outcomes and experience

Introduction

The role of technology in addressing the mental health inpatient care crisis

Ifti Majid, Chief Executive, Nottinghamshire Healthcare NHS Foundation Trust and Chair, Mental Health Network

Inpatient observations

A first-hand account

Raf Hamaizia, Strategic Expert by Experience, Oxehealth

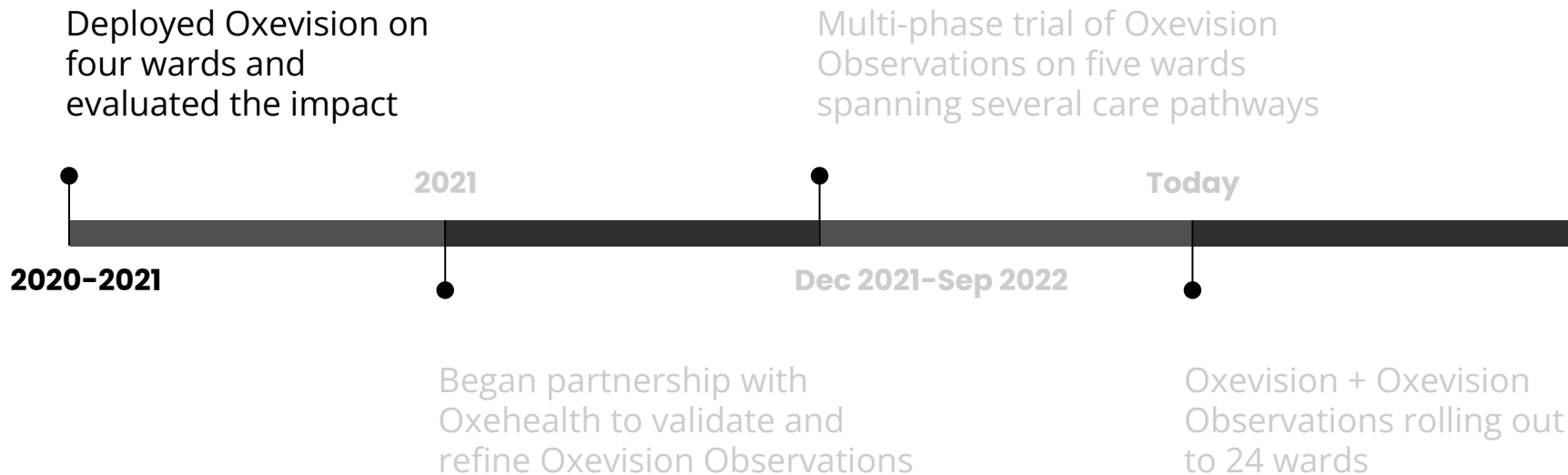


Overcoming the challenge

Using a digital observations tool designed for mental health

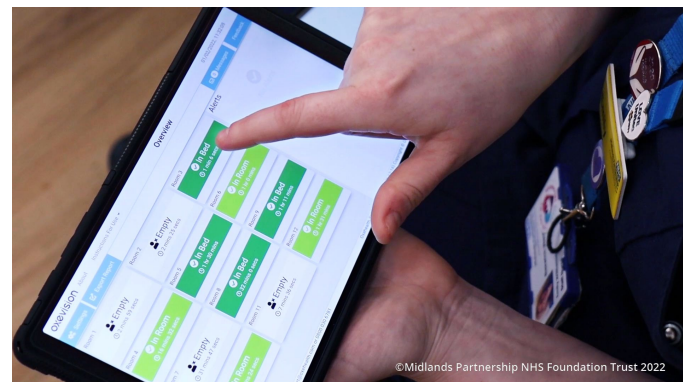
*Adam Whiting, Deputy Chief Information Officer,
Essex Partnership University NHS Foundation Trust*

EPUT and Oxehealth partnership



Oxevision

- 15-second privacy controlled vision into the room + contact-free pulse and breathing rate
- Activity-based alerts and warnings
- Reports on vital signs and activity data over time



Evaluating Oxevision at EPUT

Deployed on four wards (acute x2, PICU, assessment)

↓ Self-harm and assaults

↓ Bank and agency spend related to 1:1 observations

↓ Sleep disturbance

↑ Patient wellbeing

↑ Quality of care

“Since Oxevision was installed, I'm disturbed much less at night. It's much better because no one watches you trying to do everything.”

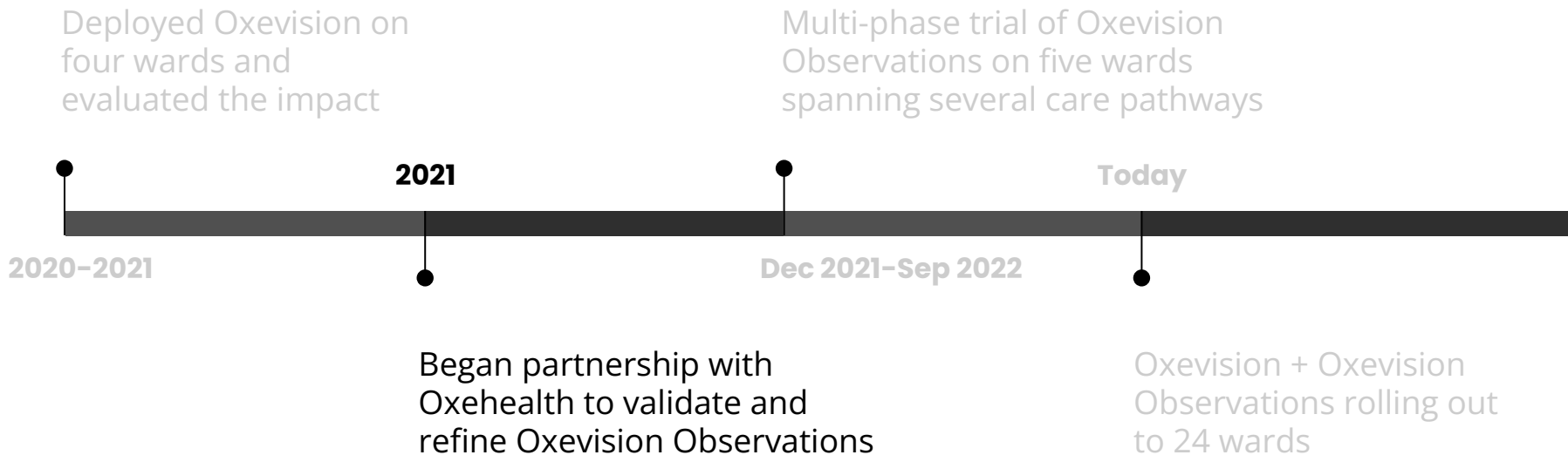
Patient, acute ward

“Now you can take time to have that meaningful interaction and say ‘how are you, not just being reactive to an incident.’”

Ann Teemal, Ward Manager

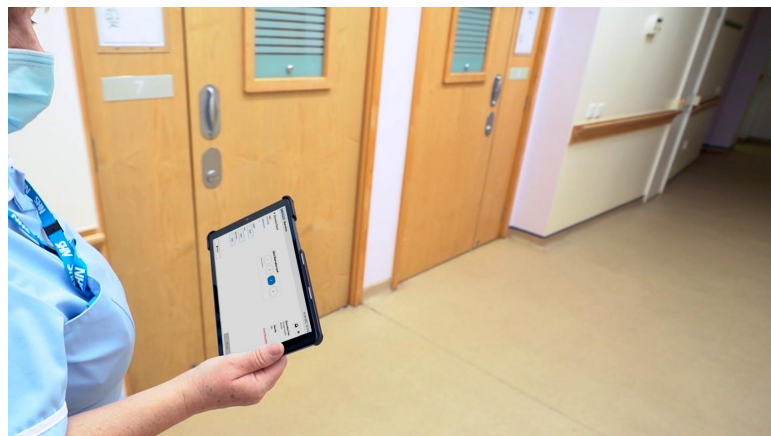


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The first digital observations tool designed specifically for mental health

- Integrates with Oxevision's 15-second privacy controlled vision into the room + contact-free pulse and breathing rate → **no disturbance at night**
- Workflow **designed for mental health**
- **Compliance auditing** functionality
- **Compatible with EPR** systems
- Works with **low/no wifi**



Workflow designed for mental health

1. Select observation level
2. Select location
3. If in bedroom, take contact-free pulse and breathing rate measurements
4. Select presentation(s) from preset list and add engagement notes/details of any interventions taken

1

Select Observation Level

1 2 **3** 4

Patient is assigned: L3

2

Select Location

Sleeping Area TV Lounge Corridor

Dining Area Bathroom Therapy Room

Clinic Room On Leave

3

Vital Signs

PR **86 bpm** BR **22 br/min**

Retake Vital Signs

Vitals Taken: 18 Oct 2022, 10:46:52

4

Presentations

+ Comments

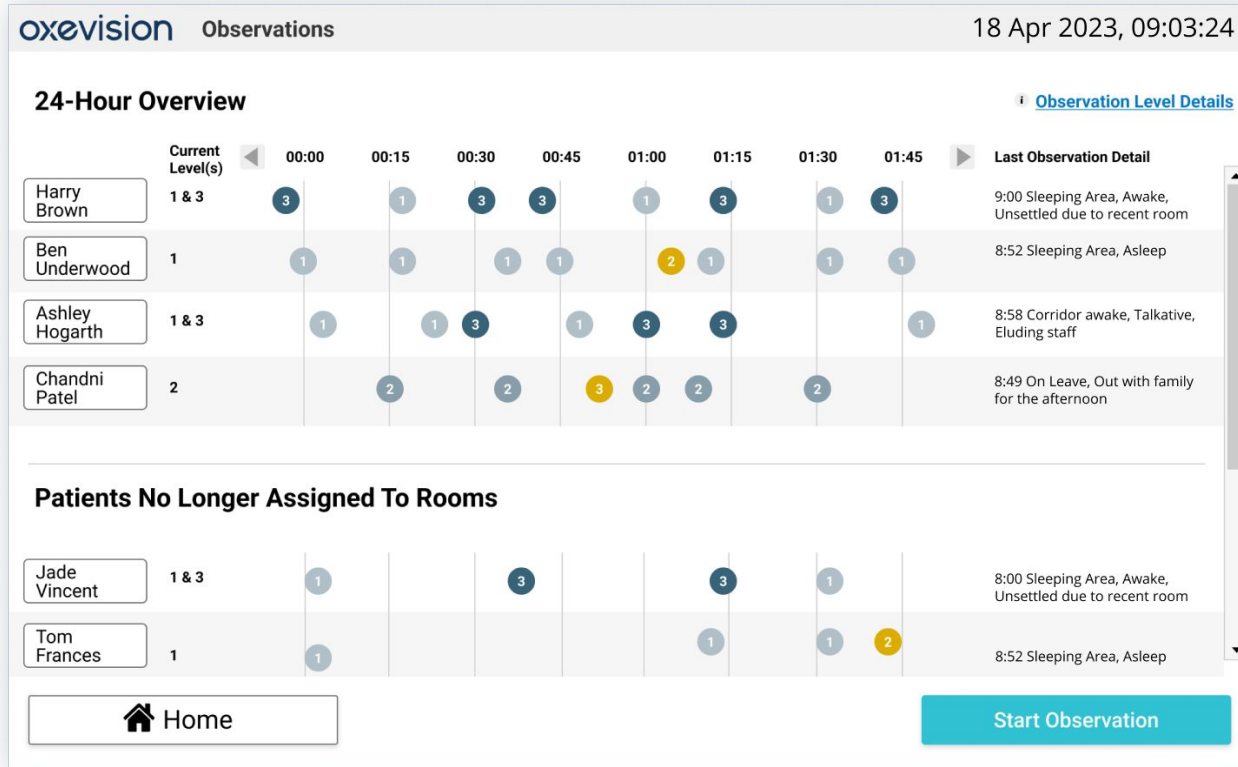
- Awake + Asleep and breathing

+ Laying on left side

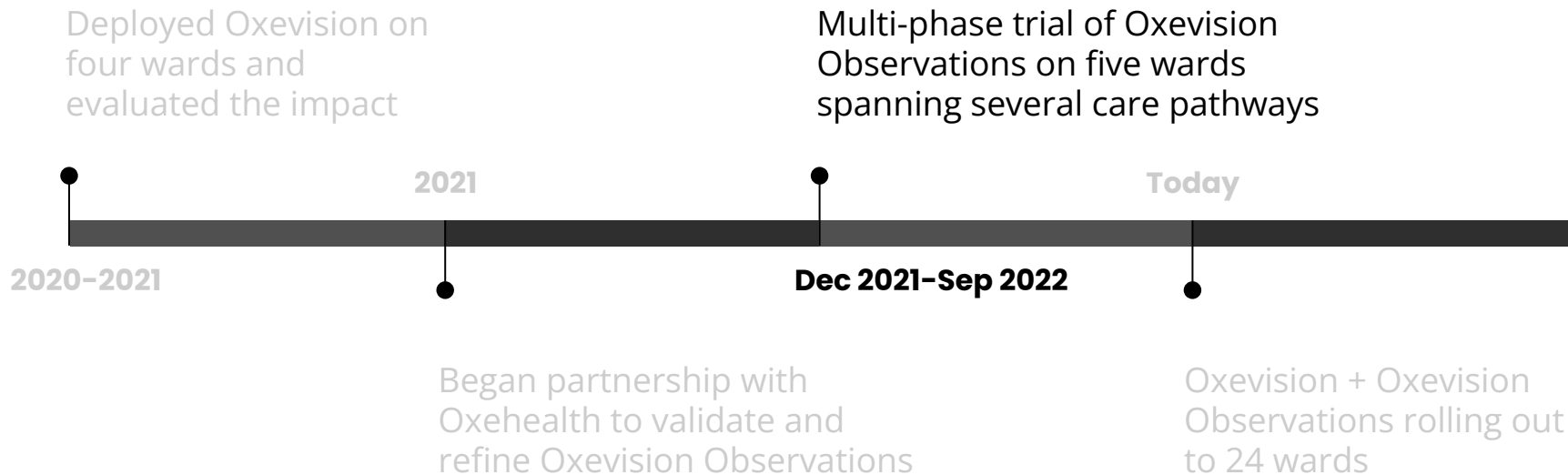
+ Laying on right side

+ Sitting in bed + Eating

Compliance auditing functionality



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Evaluating Oxevision Observations at EPUT

- **348,725 patient observations** documented during the trial
- At least **as safe** as paper-based observations
- Most digital records provided **more detail** than paper records
- 78% of staff said the tool was **easy to use**
- Estimated **time saving of 33%** with full EPR integration
- With full trust rollout:
 - Administrative savings of at least **~£240k per year**
 - Paper savings of at least **160k sheets per year**

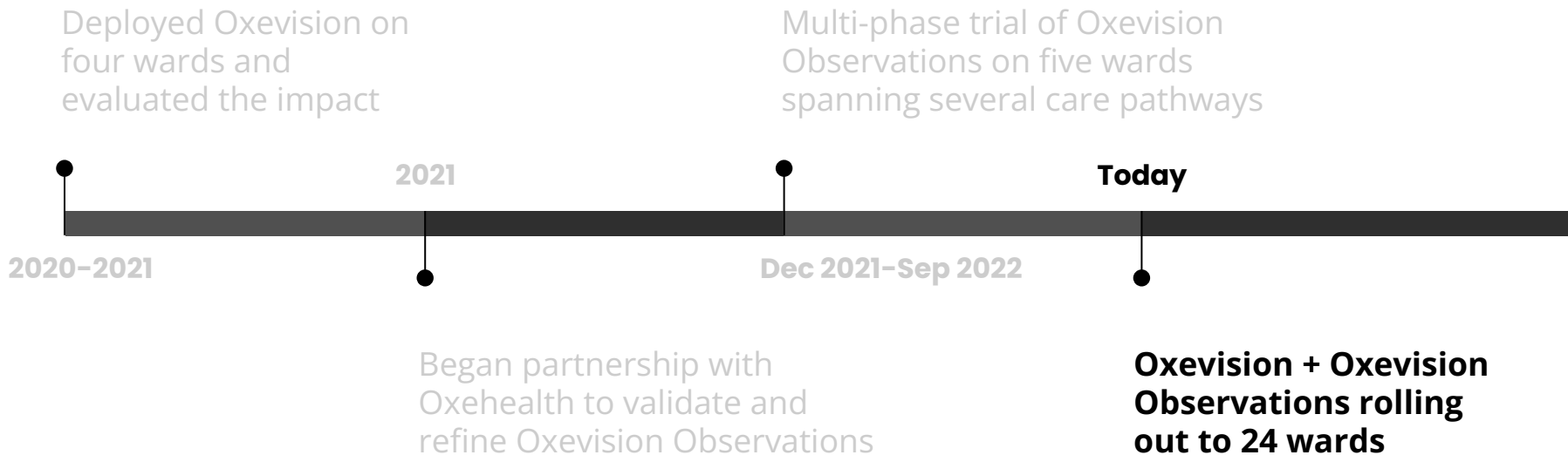
"This whole digital process is not as scary as I thought and think it could make things really efficient once we get used to it."

Ward staff member

"I'm very pleased from a policy and procedure perspective... I have received positive feedback on the tool throughout [the course of the trial] from staff who have used it. It's better for the teams as it's electronic, and I'm very pleased to become paperless - to reduce the loss of patient information and overall have a positive outcome on patient assessments."

Quality Governance Lead

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Q&A