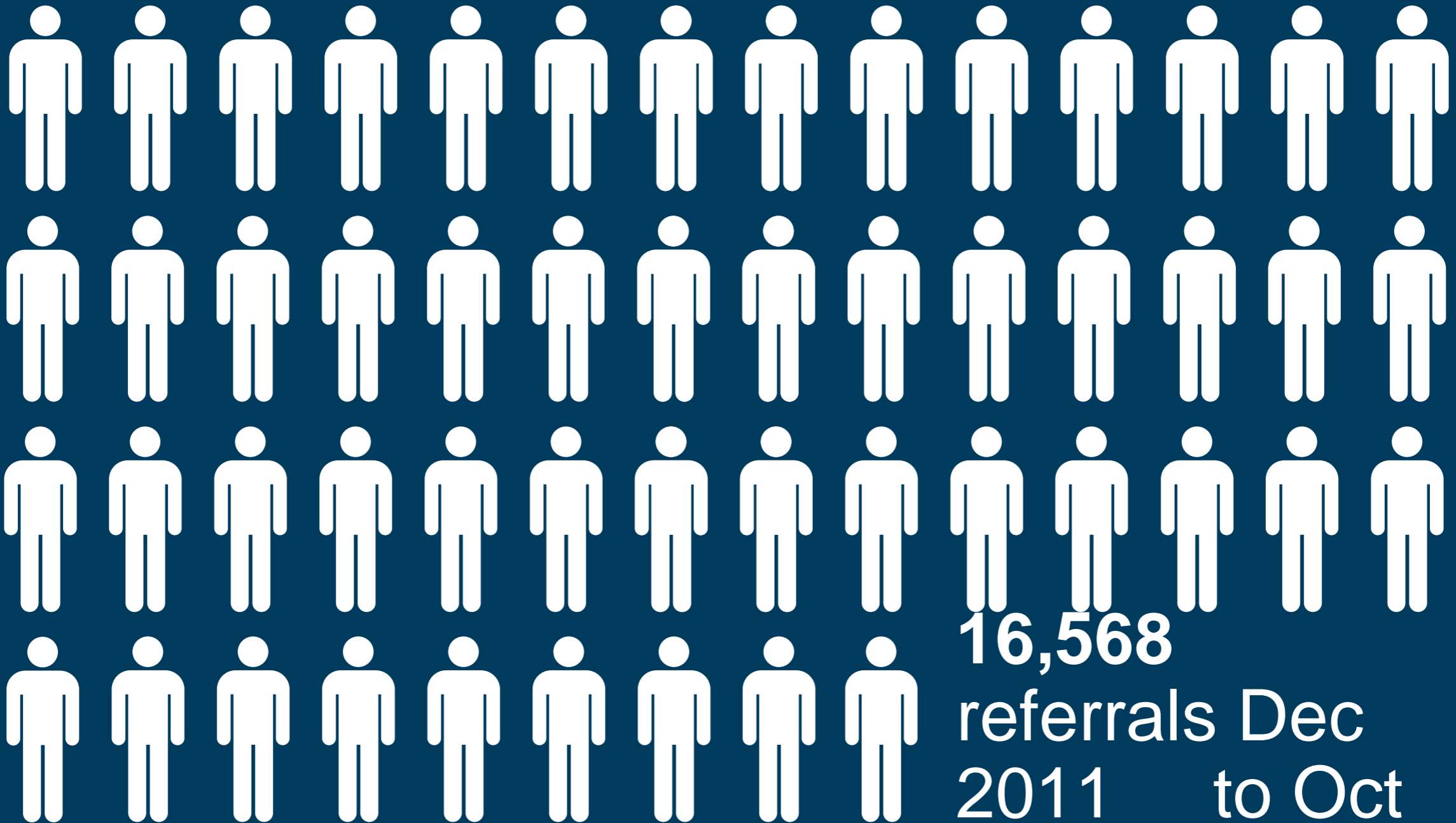


Pathways





Effectiveness



16,568

referrals Dec
2011 to Oct
2019



Effectiveness



2,993
referrals in
2018

LOS = 4-6 days



2 SAS
referrals
per week

79%
managed
at home



500,000
population coverage






64 Virtual
beds





Costs



- Cost per bed day approx 50% of acute costs 
- Overall 18% Cost saving to 6 months (Oxford Evaluation)
- Ambulance cost avoidance £265 
- Prescriptions average per admission £9.12 



Staffing



ECU Wishaw



H@H Lanarkshire



Geriatric Ward Wishaw



Workforce



Recruitment and retention

Training and development



Role blurring

Workforce, Workforce, Workforce!



Experience



It was like the
Cavalry coming
over the hill...

This is the way
healthcare
should be

*Oh I felt as if I was the queen
getting all that attention!*

*I think just being in
your own
surroundings makes
you feel happier and
more confident and
able to cope.*

sometimes it's
easier to get
into hospital
than it is
getting out

**I think it is
amazingly
impressive**



Research



Research Partners:

- University of Oxford x 2
- University of West of Scotland
- Glasgow Caledonian University

Research papers

- 4 and counting...



Research Projects:

- Randomised Controlled Trial UK Wide
- Qualitative feedback from patients and carers
- Cost effectiveness evaluation
- Qualitative evaluation of working methods



Innovation



- Video calling
- Remote monitoring
- Point of care testing
- Digital records and mobile access





Remote monitoring



Wearable monitoring of:

Paired monitoring of:

- Pulse

- Sats

- Respiratory Rate

- Temp

- Movement



- BP

- Weight

- Spirometry





Case Study

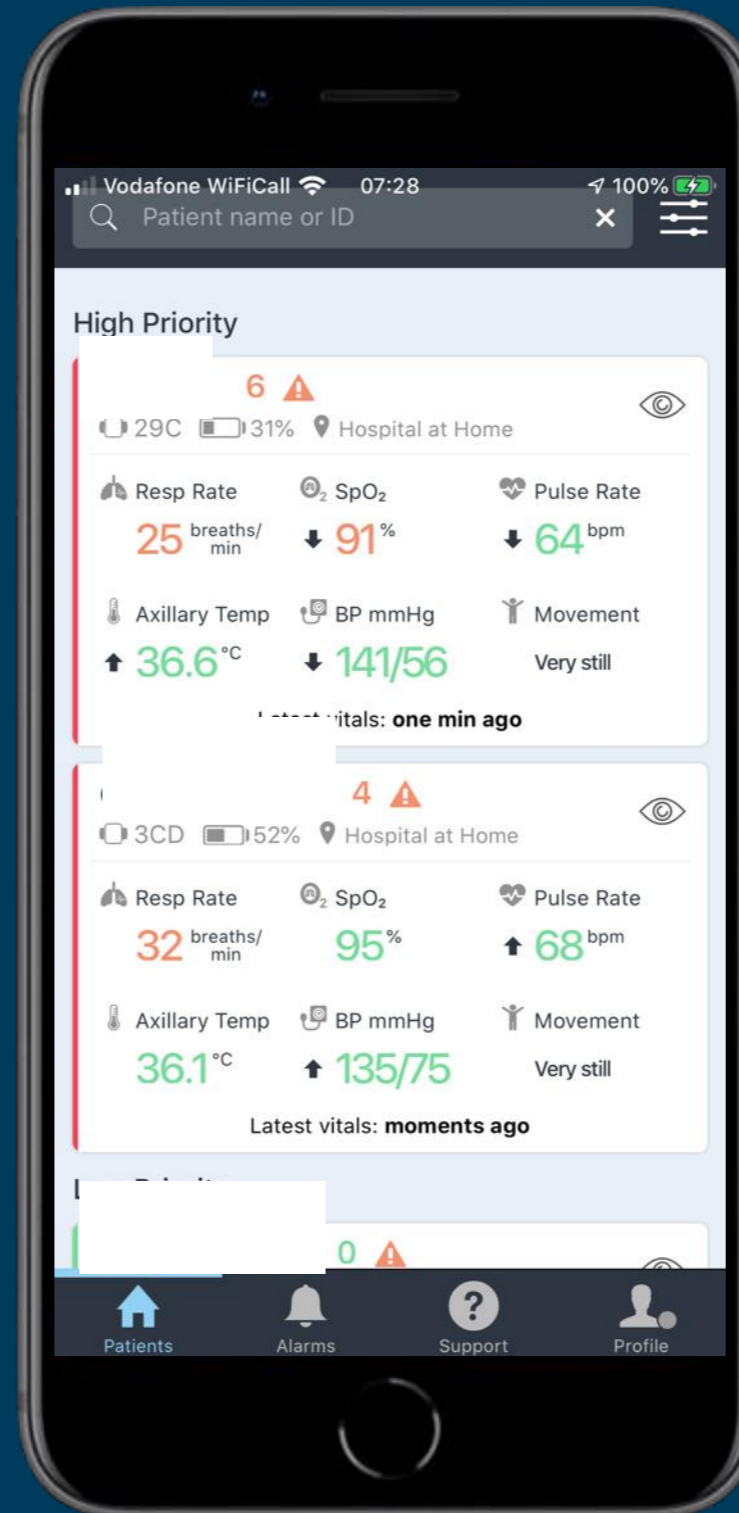


CL 80yr old Lady

- Pneumonia
- Consolidation clinically
- Previously well but frail

Treatment with:

- Oral antibiotics for CAP
- Oral fluids





Remote monitoring



- **Utility?**
- **Replace nursing tasks – ‘create time’ – cost effective?**
- **Additional safety – early identification, enhanced monitoring**
- **Time saved: *66 minutes per patient***
- **Travel saved: *21.2 miles per patient***
- **Clinical benefits: *monitoring unstable patients***
- **Patient satisfaction: *‘reassurance’/‘confidence’***



POCT blood testing



Utility?

- Safety
- Efficiency
- Can it 'create' time?
- Can it pick up clinical scenarios earlier?



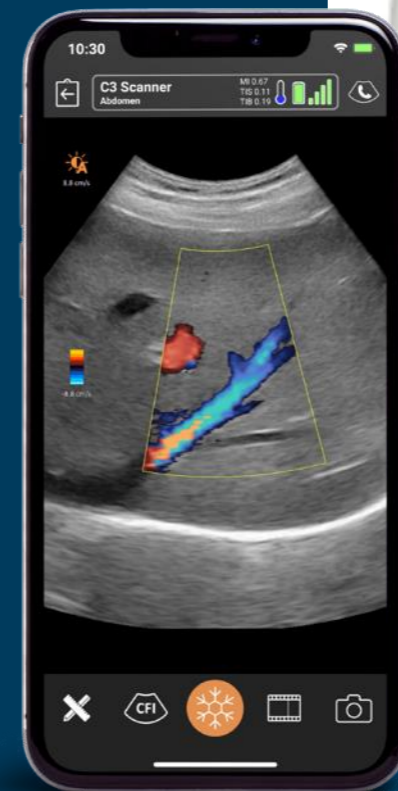


Future developments



POCUS

- DVT
- Abdominal diagnostic scans
- Renal
- Echo
- Musculoskeletal



➤ eHealth challenges?

Resources

Design mentality:



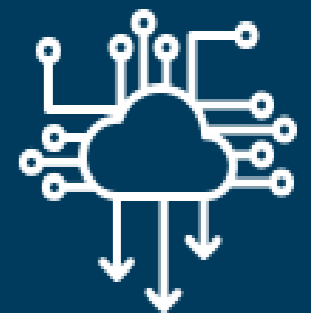
- Intuitive design – human factors



- ‘Instant on’ solutions



- Start with the end in mind



- Work towards tomorrow’s methods