

digitalhealth

# REWIRED

BIRMINGHAM

12-13 MARCH 2024

Headline Sponsors:



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Stage Sponsor:



**KEYNOTE:**

# A systems view on Money, Digital, the NHS and the UK economy

**Markus Bolton**  
March 2024



**PHITA** Population Health  
Insights To Actions

digitalhealth

**REWIRED**  
2024 —

# Trends in the NHS are a Perfect Storm

*everything is going up ...*

Set to grow  
**4.2%** over  
15 years

Over 85s set  
to grow **by**  
**55%** over the  
next 15 years

Example: **urgent  
suspected  
cancer referrals**  
**130%** of 2020  
levels

**Now 7.8 million**  
Set to reach 8  
million  
by summer  
2024

**170,000  
in 2023**  
Growth in  
leavers for health  
reasons **176%**  
since 2014

**8.9% rise**  
**126,000 posts  
unfilled** up from  
112,000 in  
March 2023

**146% rise**  
in patients going  
to A&E since  
2021



**POPULATION**

**SOURCE**  
NHS Key Long  
Term Workforce  
Plan: 30 Jan  
2024



**AGE PROFILE**

**SOURCE**  
NHS Key Long  
Term Workforce  
Plan: 30 Jan  
2024



**DEMAND  
FOR  
SERVICES**

**SOURCE**  
NHS England  
Operational  
Performance  
Update: 7 Dec 2023



**WAITING  
LISTS**

**SOURCE**  
The Health  
Foundation  
Nov2023



**STAFF  
LEAVING**

**SOURCE**  
The Kings Fund:  
NHS  
WORKFORCE  
June 2023



**VACANCIES**

**SOURCE**  
NHS Staff  
Shortages  
Statista 28 Feb  
2024



**ED  
ATTENDANCES**

**SOURCE**  
NHS Confed:  
8 Dec 2023

# Trends in the NHS are a Perfect Storm

*... except for the things that are going down ...*

## LIFE EXPECTANCY



People born in 2010 were expected to live to 93 years, those born in 2020 are now expected to live to just 89 years **a 4% fall**

**SOURCE**  
The Health Foundation 15 Feb 2024

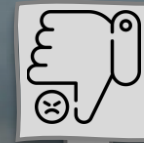
## STAFF SATISFACTION



Staff who would recommend their organisation as a place to work **fell from 67% in 2020 to 57% in 2022.**

**SOURCE**  
NHS Workforce: The King's Fund March 2023

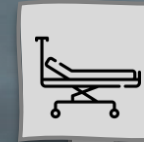
## PATIENT SATISFACTION



Overall satisfaction with the NHS fell to **24% in 2023 a 5% drop on 2022.**

**SOURCE**  
The King's Fund 22 Feb 2024

## BEDS



2.43 per 1,000 population down **17% from 2.93 in 2010**

**SOURCE**  
The King's Fund March 2023

# We have to change



**There is never going to be enough money** to run the service the way we run it now



... and like everyone, the **NHS is hugely resistant to change.**



But the **rewards of transformation are massive** and there are so many opportunities



Population health gives us the digital tools, both **insights and action, needed** to make transformation possible



There is a weight of use cases and **evidence** which shows what is possible and the outcomes that can be expected



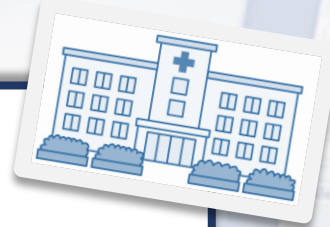
We must stop talking about this, **grasp the nettle** and get it done

*Here is one example ....*

# A lot of our resource is used by a small group of patients

**This gives us a targeted group of patients where we can intervene to reduce the pressure they put on our health and social care services**

## Customer A



2.5m Population

52,569 patients in Patient Need Group 10 or 11

These patients represent 40% of bed days

## Customer B



2m population

11,605 patients generate:

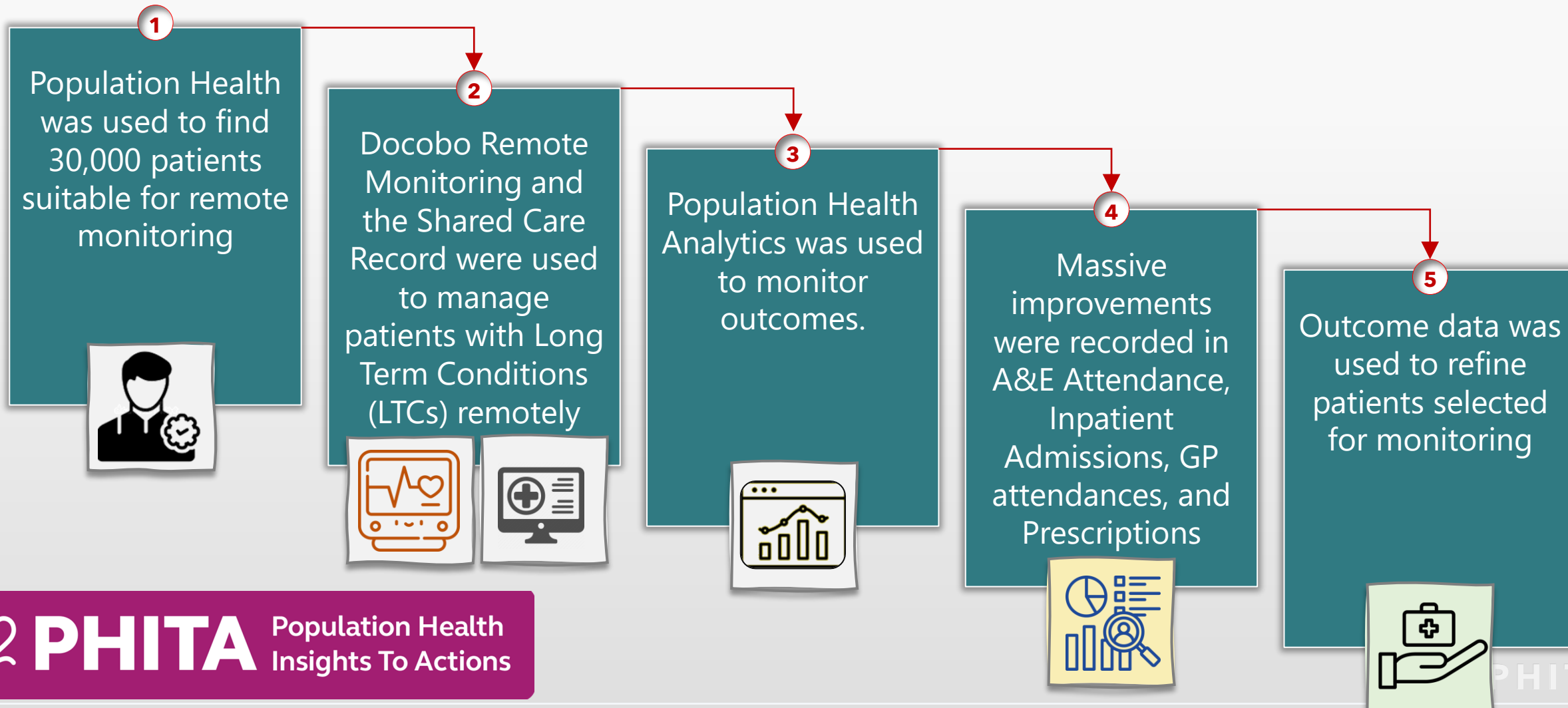
- 52,136 A&E attendances
- 1.1m GP encounters
- 47,330 emergency admissions

Diabetes, Stroke/TIA, heart failure, Atrial fibrillation, CHD, COPD, Hypertension, Cancer, Dementia, Frailty



# Case study: Using data to get ahead of the game

*A tool to support the selection of patients suitable for remote monitoring and improvement of service outcomes*





## Case study: Outcomes

**We saw the following service outcomes in 7,000 enrolled patients compared to our case-matched comparator group of 23,000**

### Remote Monitoring at Frimley



**Reduced A&E  
attendance by  
30.4%**



**Reduced  
Admissions by  
40.2%**



**Reduced O/P  
appointments by  
28.2%**



**Reduced GP  
contacts by  
18.7%**



**Reduced  
prescriptions by  
11.0%**



**Reduced 999  
calls by by  
36.1%**



**Reduced 111  
calls by by  
36.9%**

*Inpatient stays have fallen by 0.15 per person per year - equivalent to a reduction of 1,178 admissions per year.*





# Case study: It is obvious why it helps

1

**February 2024 - Frimley now has:**



59 practices already onboarded in the service.



34 Care Homes using a digital version of Restore2 to support residents with Remote Monitoring



Over 7000 patients now being remotely monitored

## 2 FRIMLEY RESIDENTS SAY

[it made me realise] someone is looking out for me

[it gives me a] sense of comfort

My quality of life has improved

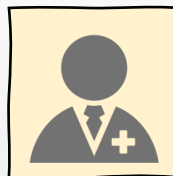


[I have] more insight into my own health

[I can] live more independently

I've lost weight, stopped smoking, reduced sugar in tea so I'm doing okay. Thank you, it's all down to the Remote Monitoring Service, which keeps me on track.

## 3 FRIMLEY PROFESSIONALS SAY



Care Home Manager

We are not having to contact our GP as much - but we are not bypassing them, simply using them when we really need to,



Practice Manager

Some of our high user patients who frequently contacted us, haven't been in touch



GP

Got the right support to the patient before they went into crisis and kept the patient at home

4



*"The patient thanked us and let us know that since joining the service his lifestyle has changed for the better. He is more aware and "regimented" in his checks and observations, and lifestyle in general. He wanted to pass on his thanks and gratitude, feels it is wonderful that people are helping him, and is very impressed that we contact him within "a very good timescale in this day and age when everyone is so busy". He is pleased both BM and BP has remained consistent over recent weeks and believes this is mainly due to our help/advice."*



HTA



**PHITA**

Population Health  
Insights To Actions

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[www.graphnethealth.com](http://www.graphnethealth.com)