# The Health Innovation Network

- **15** regional Health Innovations, established by NHS England in **2013** to spread innovation at pace and scale
- Connecting – academia, NHS, innovators, local authorities, 3rd sector, policy, regulators, funders, investors, international partners
- 3 core objectives

1. Transform patient safety

2. Improve population health

3. Generate Economic growth

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www.healthinnovationnenc.org.uk
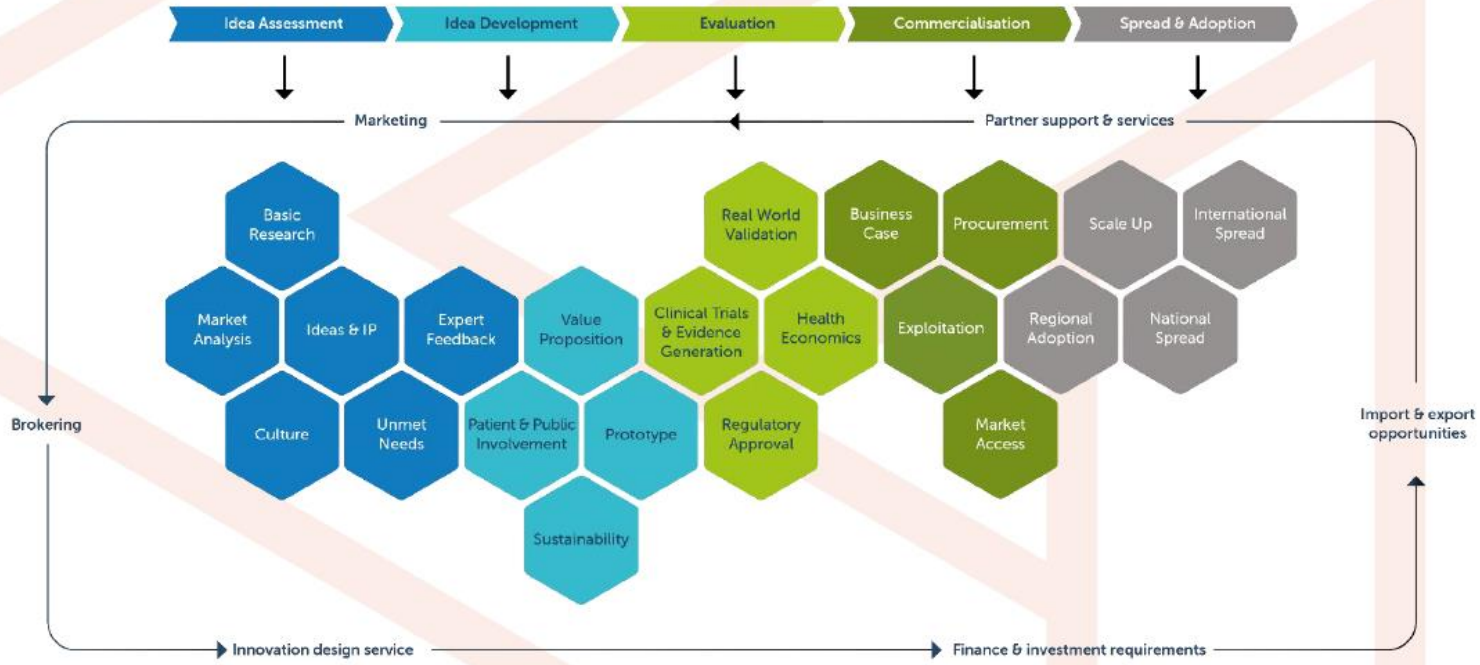
Innovation

Innovation is as much about applying an idea, service or product in a new context, or in a new organisation, as it is about creating something entirely new. Copying is good.

-Innovation, Health and Wealth. Accelerating Adoption and Diffusion in the NHS (2011)

8 TYPES OF INNOVATION — Tom Fishburne

INCREMENTAL

LINE EXTENSION — "FROM THE MAKERS OF 'MINT WHITENING,' NOW THERE'S 'WHITENING WITH MINT.'"

COPYCAT — THEIRS / OURS / NEW

WATERED DOWN — "OUR ORIGINAL CONCEPT WAS A DRONE."

FAD — GLUTEN-FREE TOILET PAPER

OVERANALYZED — "WE'D BETTER DO ANOTHER IN-HOME TRIAL TO TEST THE FONT."

OVERCOMPLICATED — "LET'S ADD MORE FEATURES ON THE BACK."
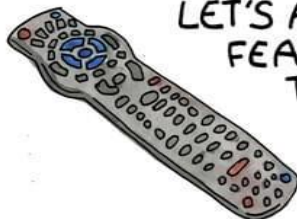
BREAKTHROUGH — "THAT'LL NEVER WORK."

© marketoonist.com

Design thinking

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IF YOU ALWAYS DO WHAT YOU'VE ALWAYS DONE, YOU'LL ALWAYS GET WHAT YOU'VE ALWAYS GOT.
HENRY FORD
SUCCESS.com

Health Foundation Report (2022)

"The demand for GP services has risen by 20% over the last decade, but the number of fully qualified GPs per 1,000 patients has fallen. This gap creates immense pressure, resulting in longer waiting times and overworked staff."

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Remote Monitoring Project - Why?

"We also want to help patients care for themselves. We want to make it easier for them to monitor certain long-term conditions at home, such as high blood pressure, where it is clinically safe, and make it easier for practices to review their patients' self-monitoring."

Recovery Plan

"Increasingly sophisticated technology continues to change many aspects of our daily lives. Technology can empower us with information to make decisions, make processes more efficient, give staff more flexibility and reduce costs."

"**Empower patients** by rolling out tools they can use to manage their own health"

"Home monitoring can substantially improve health outcomes and reduce the need for regular and urgent appointments. A good example is blood pressure control through home monitoring, reducing heart attacks and strokes. To make home monitoring easier for patients and practices, we are funding the digital tools for patients to send their readings to their practice, where staff can review and add them to their clinical record with 'one click'."

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Our approach

- Design thinking – discovery day

- Co-production - "do with them, not too them"

- Create safe space to explore new clinical pathways

- Support them to make the changes, measure their baseline, implement new ways of working

- Create an action learning set

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University of Sunderland Findings

- The outcome of the quantitative analysis presented a significantly positive working capacity, leading to better control of key health indicators.
- Increased awareness of health status, leading to proactive self-management and timely interventions by healthcare providers.
- Significant relationship between time-saving and workload
- The evaluation demonstrated positive results
- The findings underscore the potential of remote monitoring in enhancing patient care and the importance of addressing challenges proactively

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Benefits to General Practice

Contraception pill check using **eConsult** - On average **50** appointments being saved per month. Time used to support another practice within their PCN due to high demand.
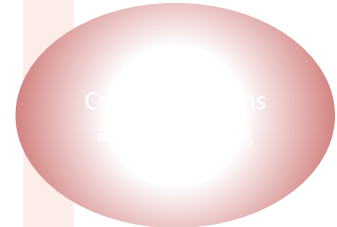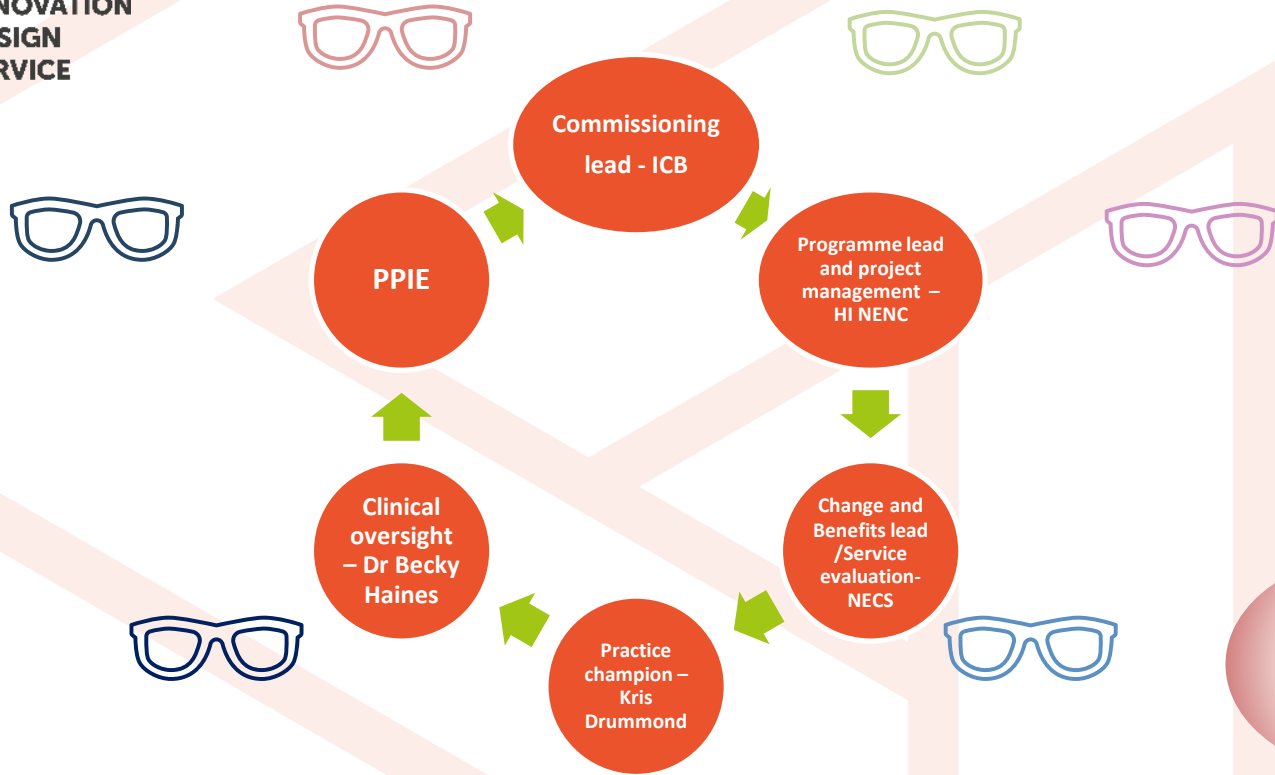
New patient registrations – Template built. Coding in the background created - Approx **20** appointments a month being saved.

BP at home – Health Call – through refining have exceeded their monthly target by **100** patients.

UTI pathway using **Accurx** saved approx. **35** appointments per month.

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Clinical Pathways – Phase 2

Practice/PCN	Beaumont Park		Stephenson Park	Village Green Surgery and Wallsend PCN	Wideopen
Pathway 1	Travel Vaccines		Travel Vaccines	Asthma Checks	Baby Immunisations
Pathway 2	Annual Reviews?		Contraceptive Pill	New patient registration	Mental Health

Practice	Bridge View Medical Group	Elm Tree Surgery	Hadrian Health Centre	Marlborough Surgery	Sunderland GP Alliance
Pathway 1	New patient registrations	Opioid Reductions	Asthma	New patient health checks	Med Reviews
Pathway 2	HRT	MSK	Chronic Pain	Travel Immunisations	NHS Health Check

Practice	Lane End Surgery	Whickham Cottage Medical Centre	Castlehead Medical Centre	Millfield Surgery	Southlands Medical Group	Imery Medical Group	Westcroft House Surgery	Woodlands Park Health Centre
Pathway 1	HRT Reviews	Proxy Access	Asthma Pathway	Blood Pressure Monitoring	Asthma Pathway	NHS Health Check	Contraception	New BP Management
Pathway 2	Pre-Diabetes	Diabetes (Insulin)	Hypertension	Medication Reviews	UTI Pathway	LTC Diabetes	UTI	YOC reviews streamlined

org.uk

Resources

- Community of practice

- Access to sop's and flow charts

- Masterclasses

- Action Learning set

Want to free up clinician appointments and enhance patient safety? Download remote monitoring guides

Tried and tested resources have been developed for general practice staff to adopt new pathways. Resources include standard operating procedures for several pathways including: blood pressure monitoring, UTI, oral contraception, and more.

Download resources

North East healthcare set for 5G revolution

A £1 million project was announced last week to explore how 5G technologies can enhance and speed up the delivery of healthcare services in the North East.

Health Innovation North East North Cumbria (HI NENC) is one of five partners awarded a share of the funding and will be supporting innovators to address system challenges with their 5G innovations. HI NENC will lead multiple phases of the project, offering expertise in use case identification, NHS market validation and value proposition development.

Businesses that specialise in 5G technologies are being invited to put forward their ideas to improve patient flow and discharge services through a 5G innovation acceleration programme, putting the North East at the forefront of a technological revolution in healthcare.

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4,644 followers
2w • Edited • 🌐

The NHS Long Term Plan aims for earlier and more accurate diagnosis of lung conditions. An important diagnostic tool for lung conditions is spirometry - a forceful blowing test. ...more

Improving Primary Care Spirometry: Evaluating the AI Innovation ArtiQ.Spiro
Read the case study on the HI NENC Innovation Library

Northern FemTech Healthtech Accele[rator]

Health Innovation North East and North Cumbria — Lift[...]

Northern FemTech and Women's Healthtech Acce[lerator] programme taking businesses to the next level

FemTech and Women's Healthtech is becoming increasingly prominent partic[...] [inn]ovation and tech sectors. However there is still a fundamental lack of early [...ed]ucation specific to this industry.

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NEW CASE STUDY

CVD Healthy Heart Check Pathway Using PocDoc® Rapid Lipid Testing

Read the case study on the HI NENC Innovation Library

PocDoc

THE GREAT NORTH PHARMACY RESEARCH COLLABORATIVE ANNUAL CONFERENCE 2024

SPOTLIGHT ON WOMEN'S HEALTH: REWRITING THE NARRATIVE

TEES VALLEY
Funded by UK Government

Innovation Challenge: Driving impact through data

Now Live
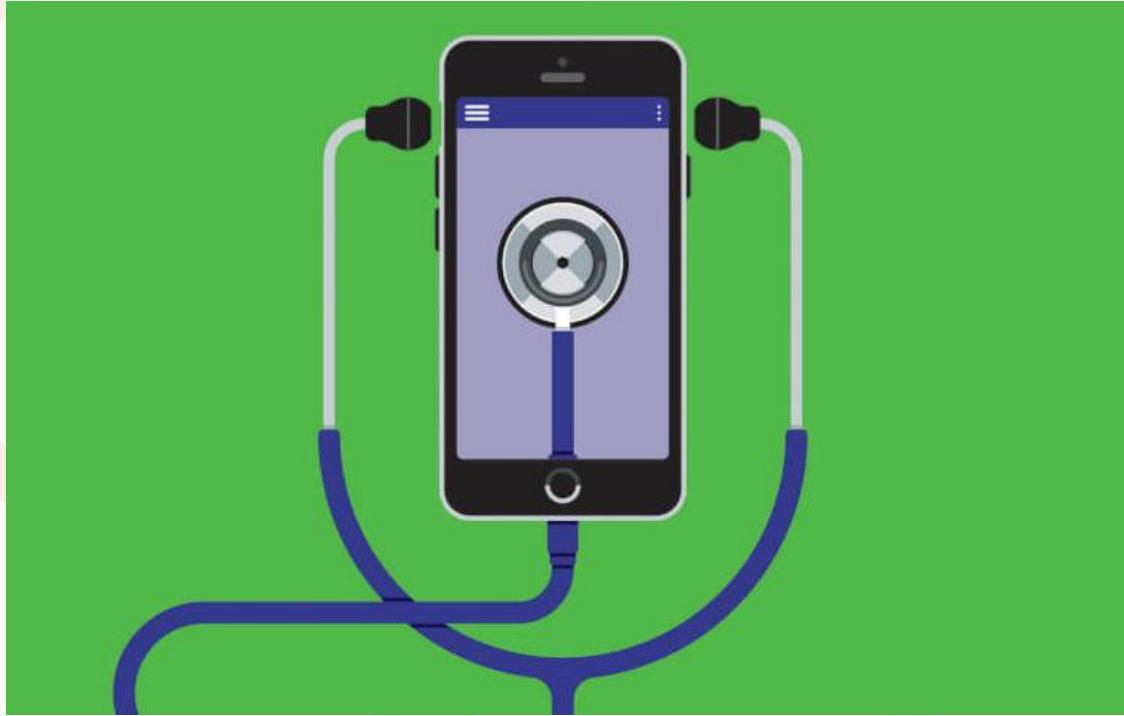
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Write your brief

[...]onnenc.org.uk

Smart phones

Portable diagnostics

Smart assistive technology

Wearables

Smart Watches

Smart Glasses

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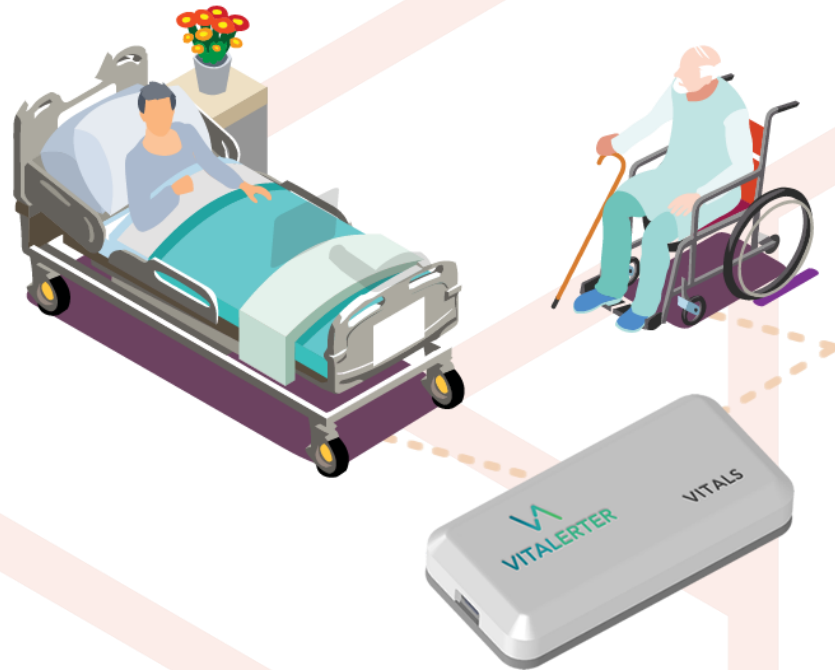North East and North Cumbria

Automation and AI
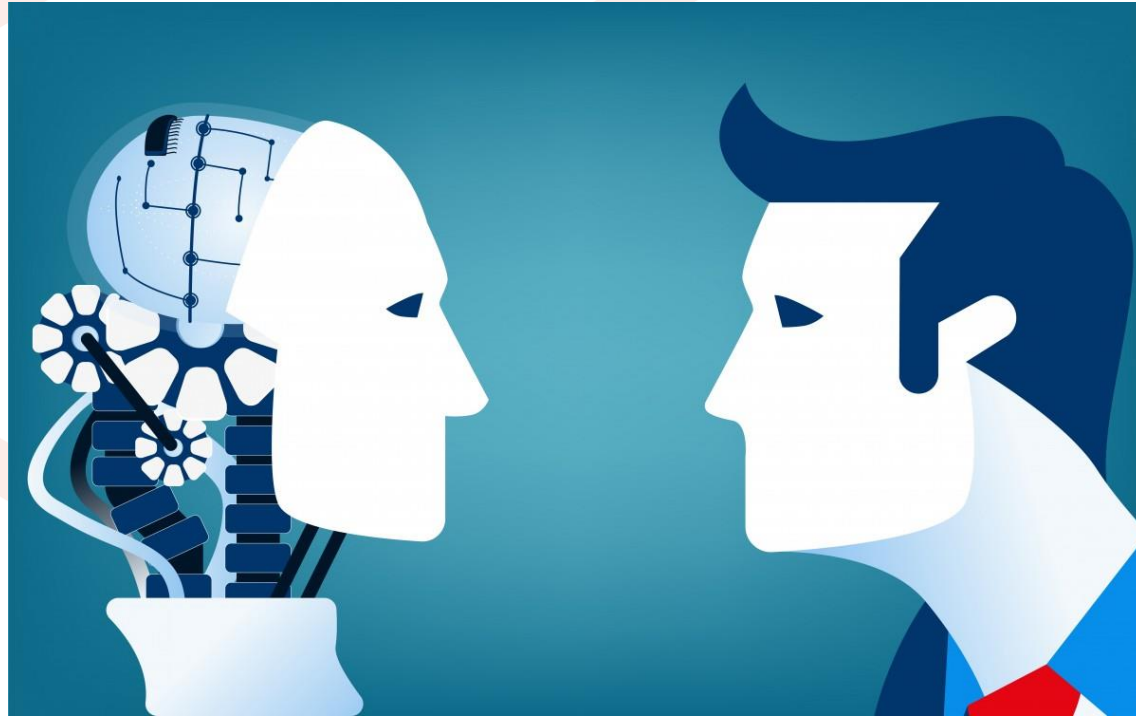
Robotic surgery

Vitalerter

Local examples

On Kooth you can

Chat to our friendly counsellors

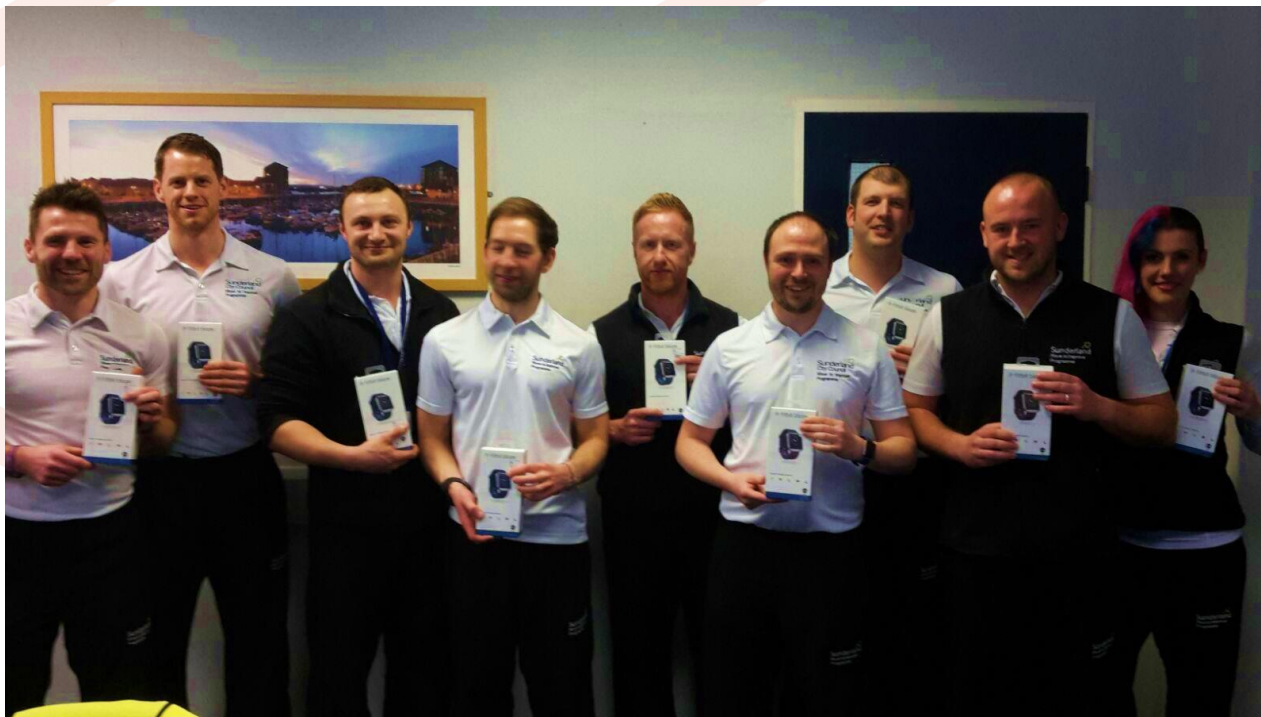Read articles written by young people

Get support from the Kooth community

Write in a daily journal

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www.healthinnovationnenc.org.uk

Child Health

www.healthinnovationnenc.org.uk

Fitbits

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Digital Champions Programme in Primary Care

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3,344 followers
3w · 🌐

📢 Do you work in primary care and have an enthusiasm for digital technology?

Applications are now open for places on the new Digital Champions educ ...see more

Academic Health Science Network
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Digital Champions education programme

Dates for 2023

Sign up to our next course on one of the following dates:
- 19th September 2023
- 4th October 2023
- 9th November 2023
- 5th December 2023

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In this video, Rob a Digital Champion who works with two primary care networks, talks about working with practices to improve their digital needs ⬇️
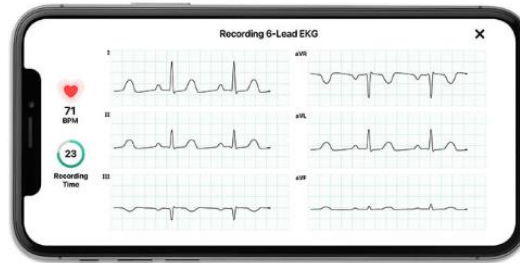https://bit.ly/4560Xfc
...see more

Rob Henderson
Communications and Engagement Lead

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Kardia Mobile – Alive cor

Keeping patients safe: antipsychotic medication monitoring using a pocket-sized six lead ECG

July 21, 2022
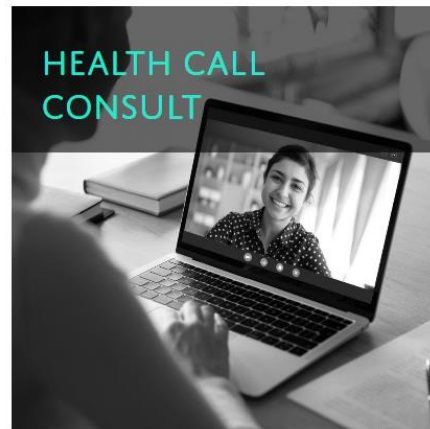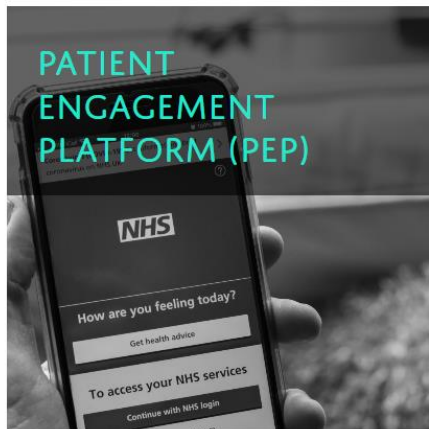
Well connected care homes

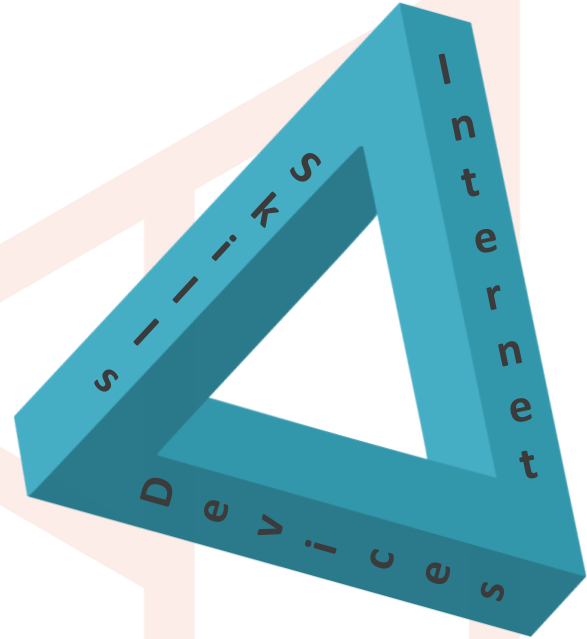Health Innovation
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Whzan

Training

What is digital inclusion?

- Digital literacy
- Equitable access
- Information and communication
- Social and economic life
- Increasing confidence
- Being able to access essential services
- Access to the internet

Internet

Skills

Devices

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DIGITAL NATION UK 2024
FACTS & STATS TO FIX THE DIGITAL DIVIDE FOR GOOD

Good Things Foundation

SCALE OF THE DIGITAL DIVIDE

3.7m FAMILIES ARE BELOW THE MINIMUM DIGITAL LIVING STANDARD

8.5m LACK BASIC DIGITAL SKILLS

2.4m HOUSEHOLDS CAN'T AFFORD THEIR MOBILE PHONE CONTRACT

7.5m WORKING AGE ADULTS LACK BASIC DIGITAL SKILLS FOR WORK

0.6m YOUNG PEOPLE LACK HOME INTERNET OR A SUITABLE DEVICE

1.5m DON'T HAVE A SMARTPHONE, TABLET OR LAPTOP

5000 COMMUNITY ACCESS POINTS THE NATIONAL DIGITAL INCLUSION NETWORK

OUR CHANGING DIGITAL WORLD

Health
33% of those offline say its difficult to interact with NHS services

39% of UK adult population not registered on NHS App

50% higher food costs without internet access

Money
Banking takes **1.5 hrs** longer without an internet connection

4m+ older people are not managing their money online

Work
92% of UK businesses say there is a digital skills gap

40% of jobs will be affected by AI worldwide

Internet
33% unaware of local access point for device access or internet connection

8% of eligible households signed up for social tariff

DEVICES

NATIONAL DEVICE BANK

CONNECTIVITY

NATIONAL DATABANK

46k devices collected to date

CO_2 saved equivalent to 328k trees

DIGITAL INCLUSION BENEFITS
as a result of support

£13.7 billion BENEFIT TO THE ECONOMY

PEOPLE LEFT BEHIND lack basic digital skills

24% of those not working

48% of those with no formal qualifications

37% of those over 65

25% of those with a disability or health condition

CAPABILITY

CONFIDENCE

Learn My Way

I'm happier 76% say the internet helps them connect with family and friends

I'm more employable 68% saw a work or skills related benefit

WHAT THE PUBLIC THINK

64% believe there's NOT ENOUGH SUPPORT for people who can't get online

92% think most ESSENTIAL SERVICES require internet access

76% want GOVT INVESTMENT in digital skills training

21% feel LEFT BEHIND by technology
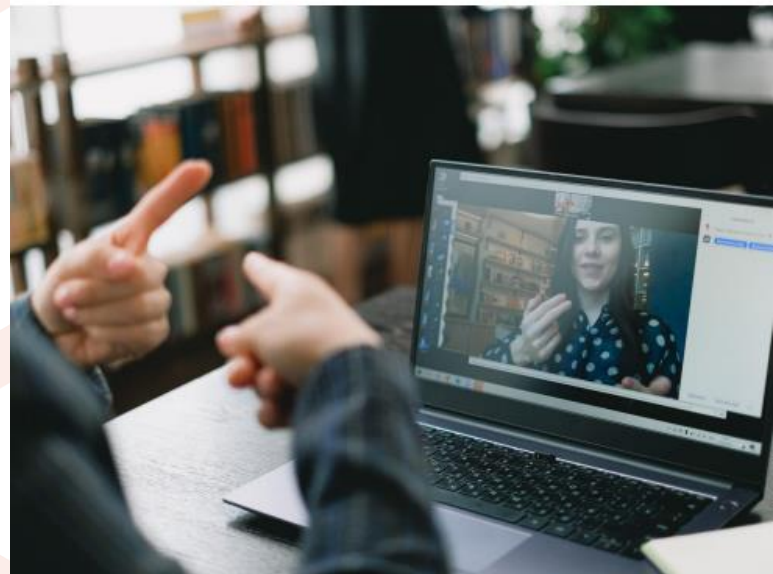
TRUST

NATIONAL DIGITAL INCLUSION NETWORK

I'm healthier 68% can use online tools to help them manage their health

I'm better off People with high digital engagement save £900 more a year

I ♥ IT

Good Things Foundation
#FixTheDigitalDivide

Takeaways

- Doing the same is not an option
- Business case development – ROI
- Don't forget about the human factors, the staff and patients
- Change needs time and support
- Design thinking really helps with change
- Look at your quick wins, what can you explore already? What systems do you have already?
- Who is leading this? Who is your biggest supporter?

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