

OTH.io



VIRTUAL CARE

FOR LIFE

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OUR MISSION



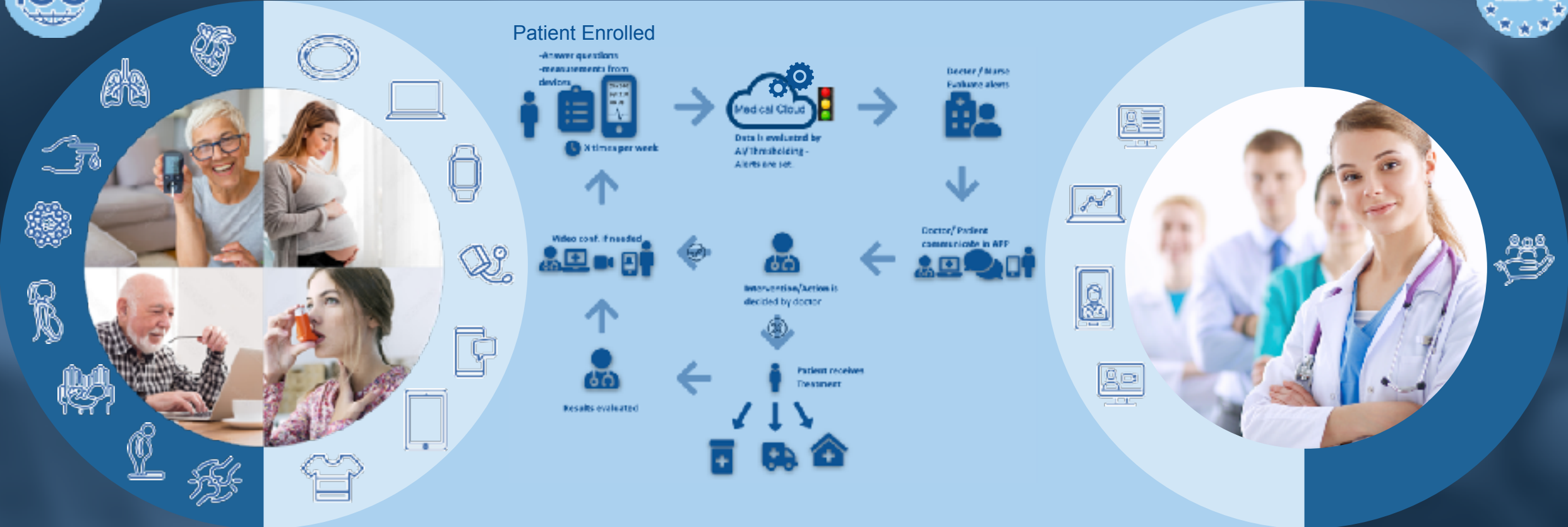
To gather information from people at home and turn it into actionable health insights.

By aggregating virtual-care actors, we allow every person on the planet to access care, anytime and anywhere.

So **how** do we do that?

OTH.io Basic enduser USE-Case

ANY CONDITION, ANY DEVICE AND ANY AI



CONDITION

PATIENT

DEVICE

But WHY?

ITEMS

HEALTH PROFS

VIRTUAL CARE

THE PROBLEMS WE SOLVE



But **HOW** will we make money solving these problems?

10 million more health workers

are needed by 2030, primarily in low and lower-middle income countries

[Learn more](#)



Access to care

- Screening
- Preventive care
- Remote Patient monitoring
- Remote consultations

Free up resources

- Faster churn on beds
- Too few nurses/doctors
- Increasing chronic load

Reduce cost for providers

- 35% saved pr chronic patient
- Reduce mortality
- 800 patients per nurse/day
- Able to screen millions
- Make AI-engines available

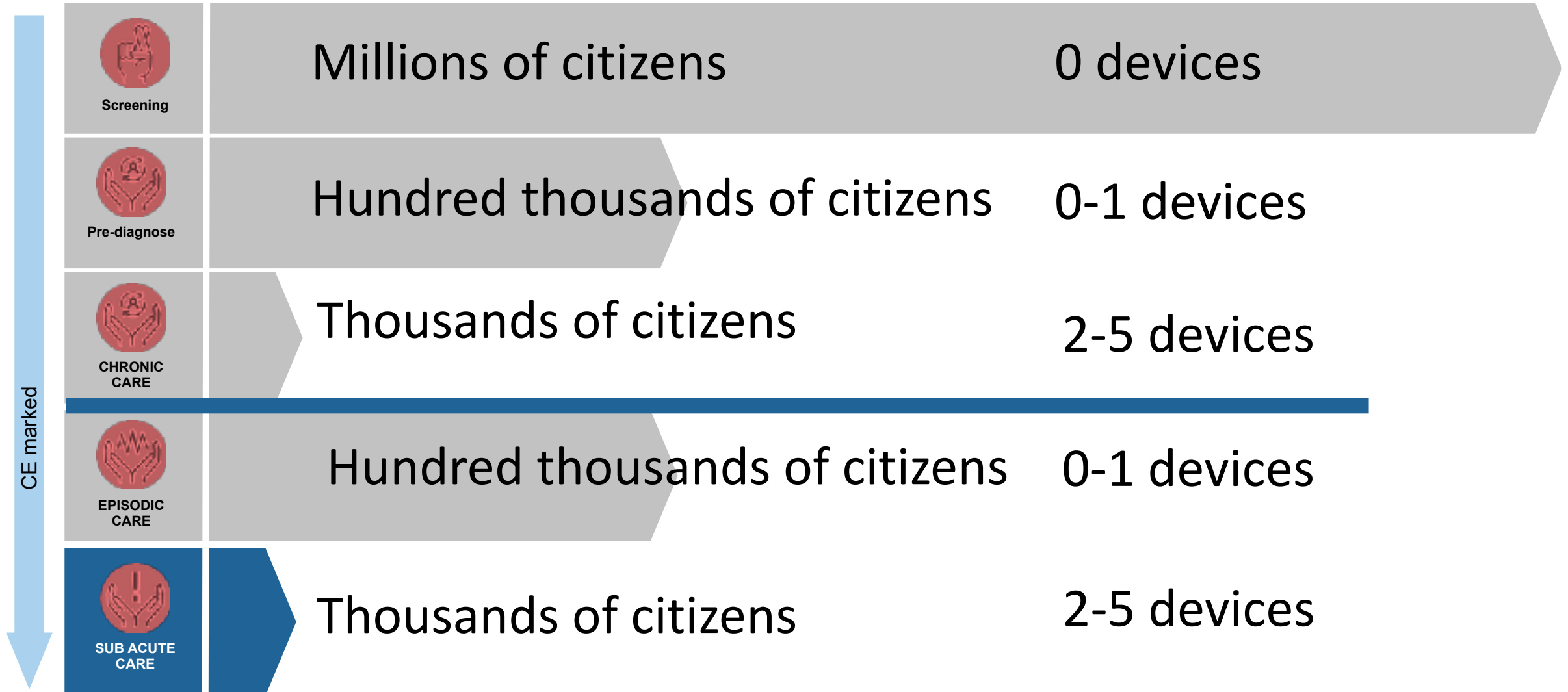


Benefits of virtual wards

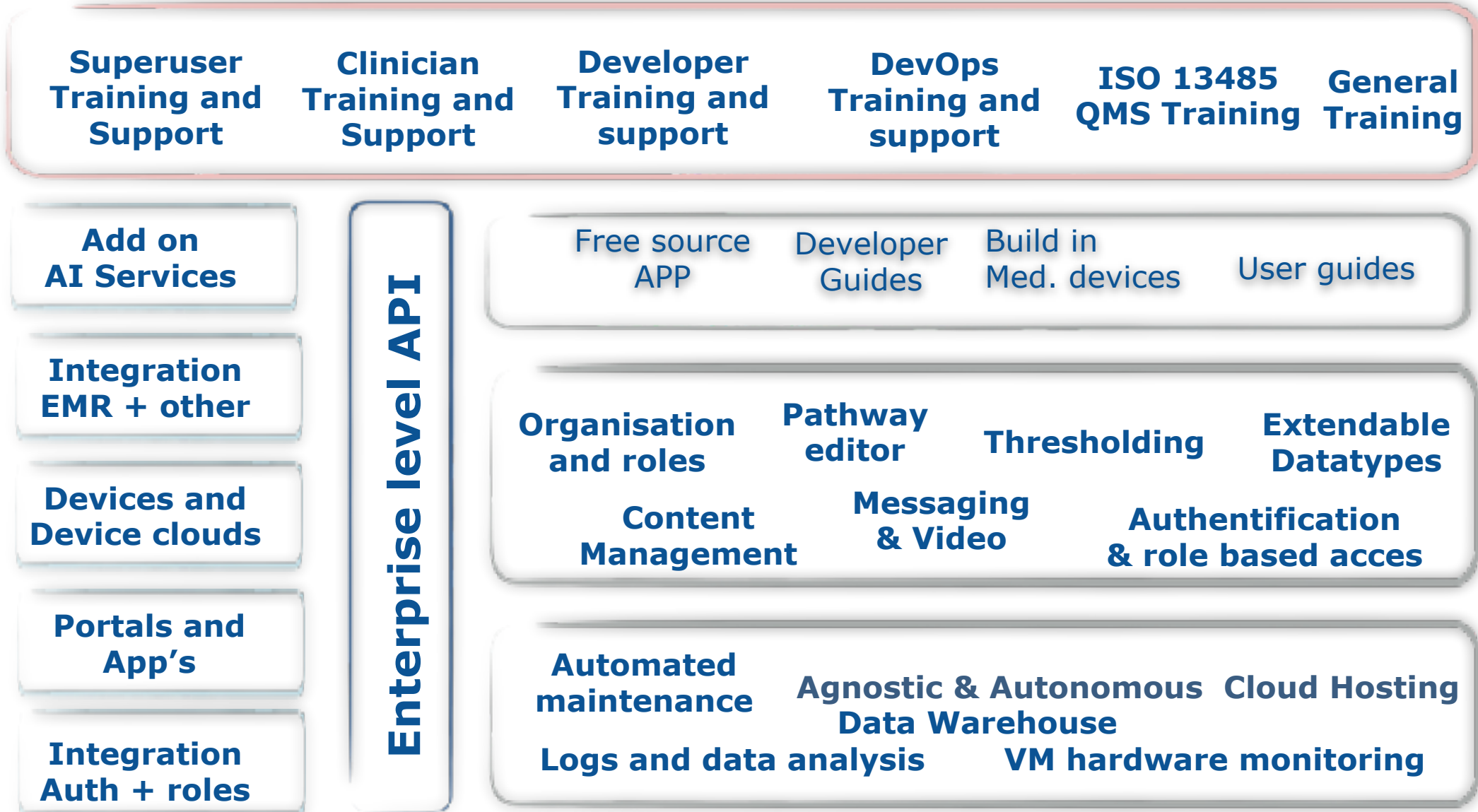
There are four key benefits to the NHS and other healthcare providers opting for virtual wards:

1. To reduce congestion within a hospital/care setting
2. They are cost-effective
3. They free up secondary care beds for critical/urgent patients
4. They complement the existing work of healthcare professionals

OTH Volume Processing potential - Enterprise level (3-10 mio citizens)



Virtual Healthcare OS -Architecture





Chronic Care

FINLAND HEART CLINIC



CHF



COPD



Diabetes



Pregnant

Finland: The leading heart clinic has been implementing remote monitoring for patients with chronic heart failures and is now scaling up into a national roll-out.



BEFORE

- Size of Finland creates challenges for many patients in rural areas
- 7 day waiting time for urgent heart patients
- Infrastructure not ready

AFTER

- ✓ From 7 days to 20 minutes wait for urgent heart patients
- ✓ 42% less emergency room visits
- ✓ 50% reduction in hospital days
- ✓ **25% less death rates**
- ✓ From Pilot with Healthineers / OTH to national roll out



Chronic Care

NORDIC VIRTUAL CARE



CHF



COPD



Diabetes



Pregnant

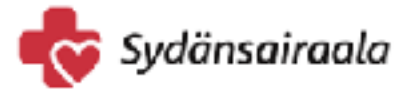
Nordic Countries were early. For instance DK with the launch of a National Telemedicine Action Plan started already in 2012. They wanted to demonstrate the effect for **large scale Virtual Care**.

BEFORE

- Limited access to secure and mature technology
- Did not entirely understand the dynamics of the economy
- Single condition focus
- Focus on improving care for chronic diseases
- History of failed pilots (ROI, patient satisfaction)

AFTER

- ✓ Multi-Condition care platform established
- ✓ Support organisational change
- ✓ Implemented at scale and drives high impact
- ✓ **Documented saving of 35% of the yearly cost for CHF**





Applied AI's in Virtual Care



- ECG analysis as a Service
- Holter analysis as a Service



ECG Analysis Report

Patient Info

First Name

Surname

Date of birth

Age

Sex

Patient ID

Max

Boreiko

Recording Info

Start time

End time

Duration

Analysis time (UTC)

Device ID

Number of leads

10:28 24-05-2021

10:28 24-05-2021

39s

10:28 24-05-2021

1



World's first Clinical Observations in 40 Seconds

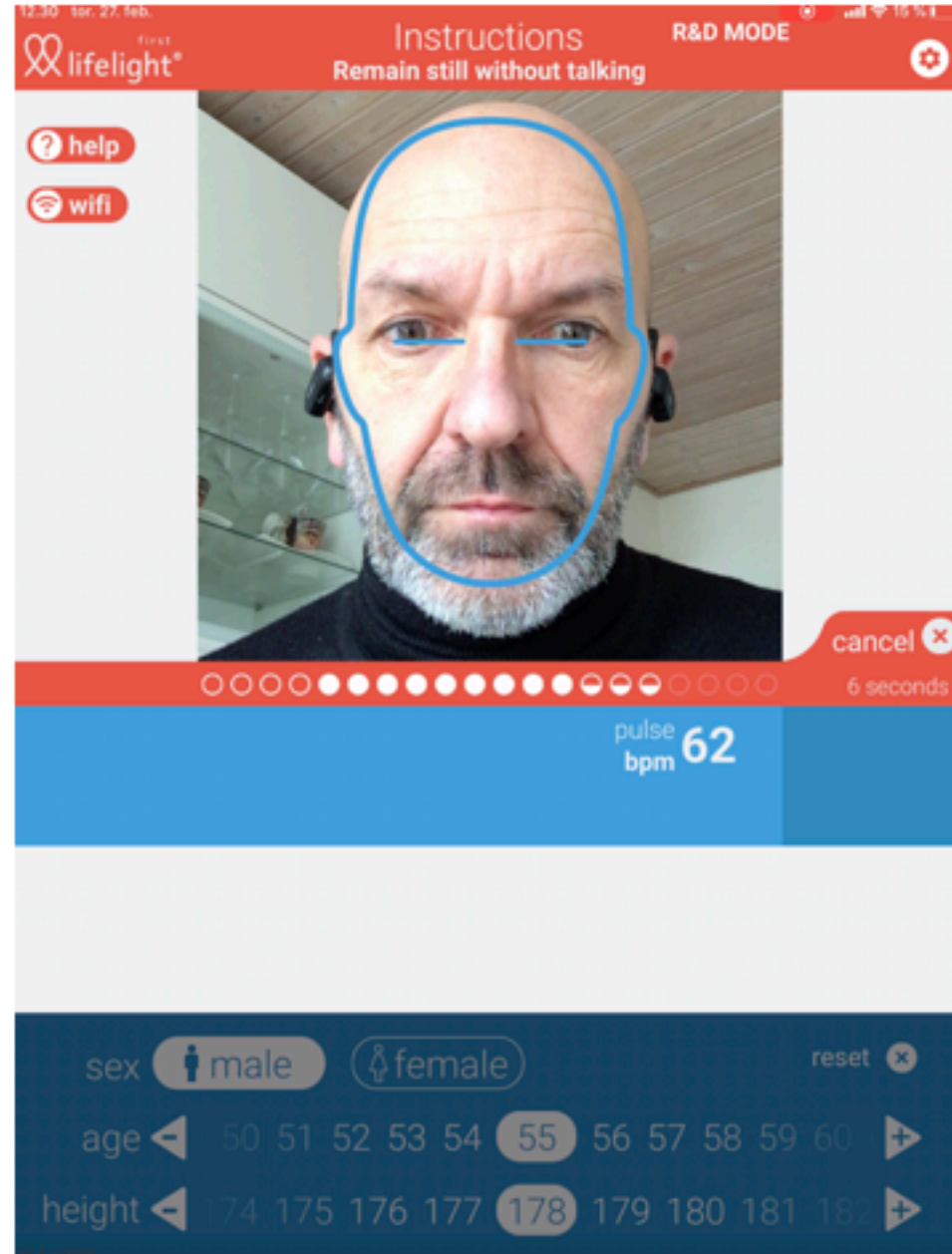
100% Contactless from a tablet or smartphone camera

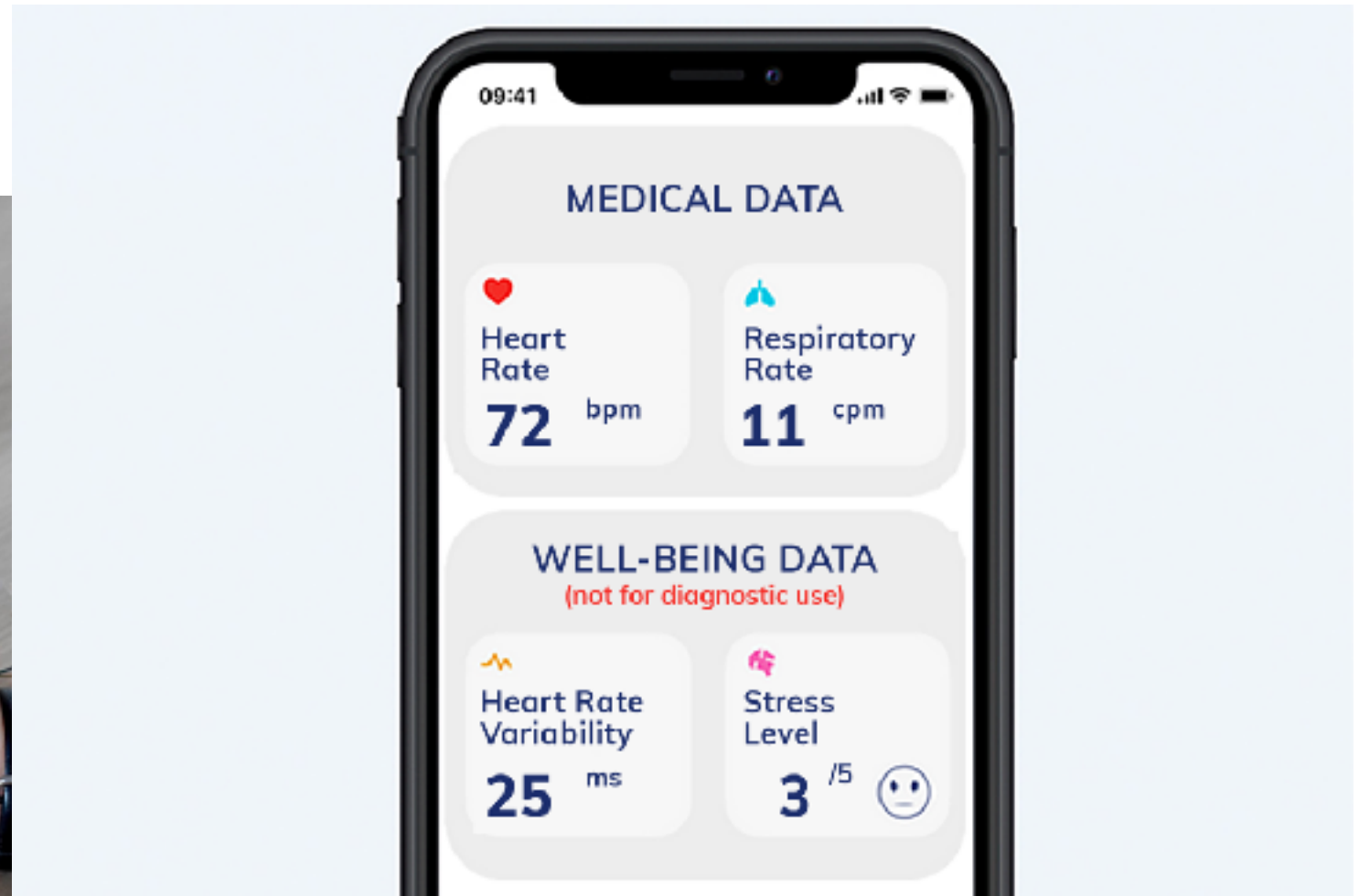
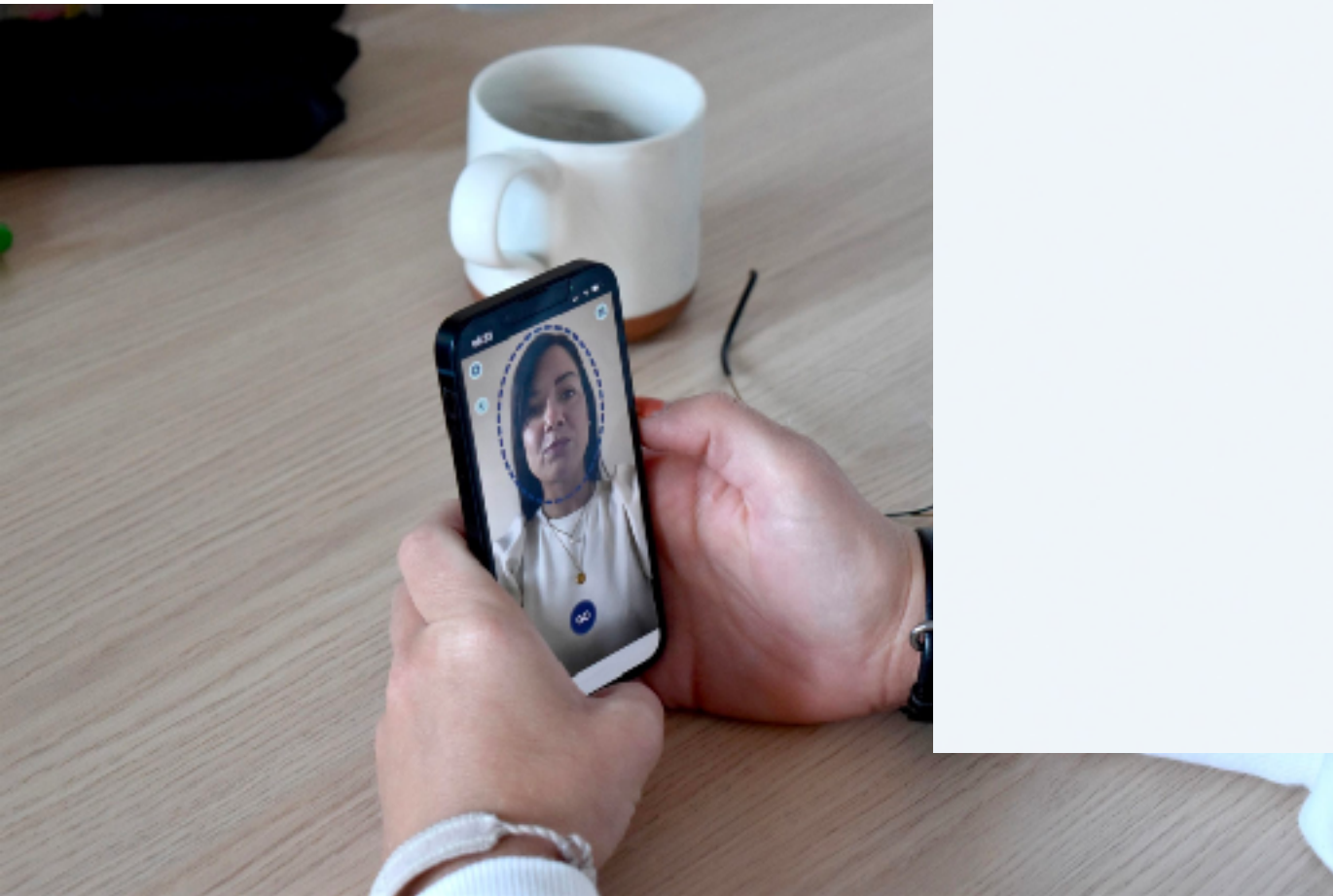


- 40 sec video selfie
- Evaluate red color spectrum changes
- CE marked medical device
- 12 mm QS variation

- BYOD Hypertension screening
- Aggregated threshold
- No device required
- Will eventually overtake physical devices

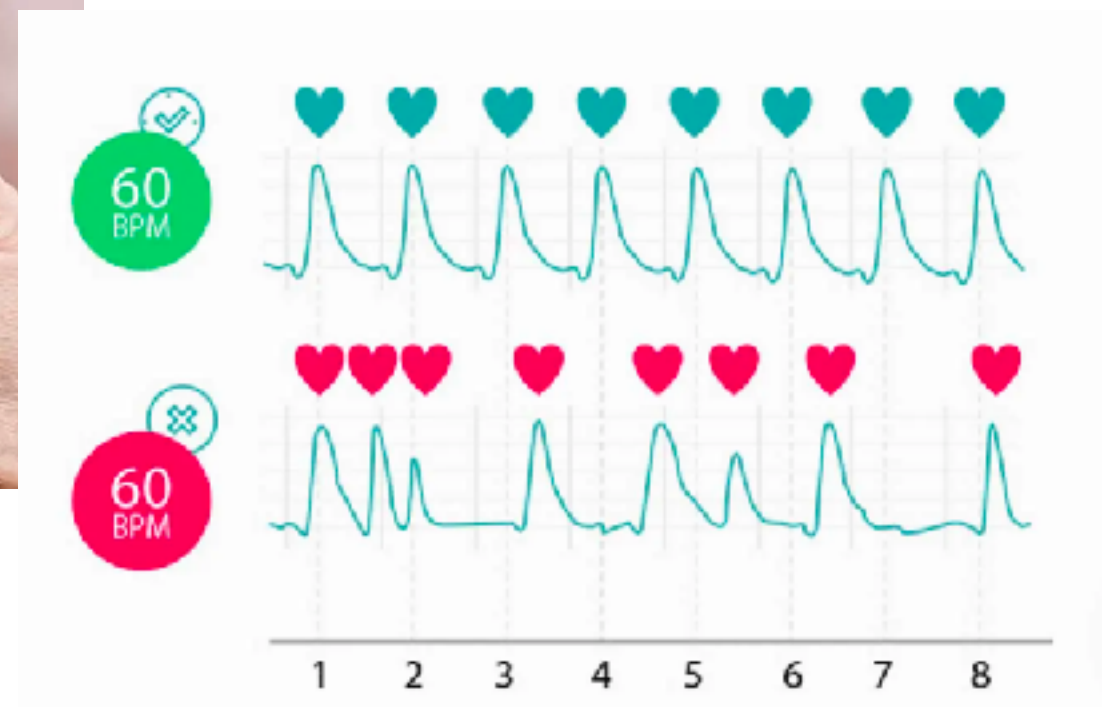
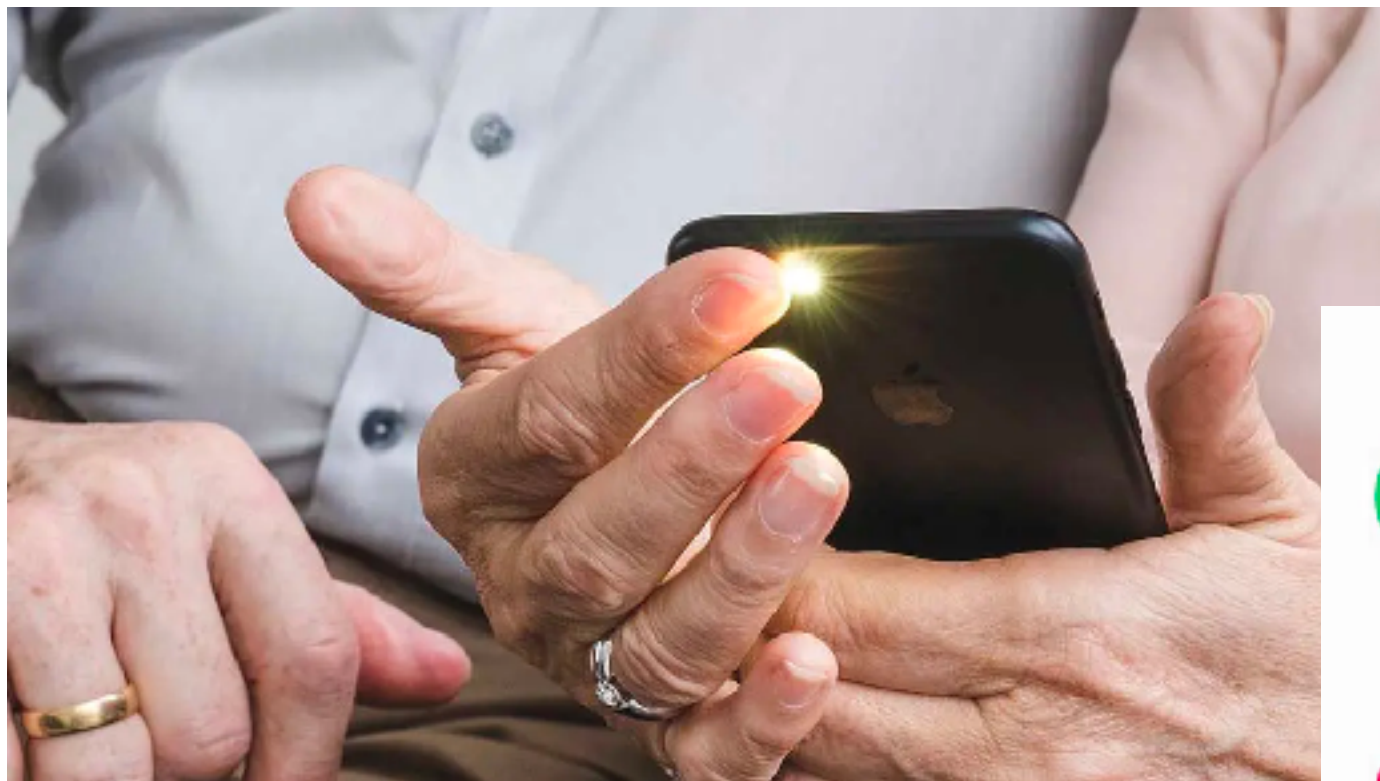
- Now under implementation in NHS/UK as information booth stand alone screening





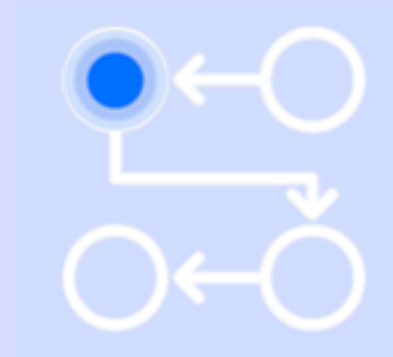


FibriCheck®

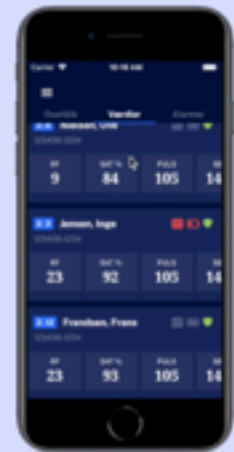


- Ward24/7 is currently approved for in-hospital use
- Will be added to OTH when approved for Virtual Ward use-case

Using AI to monitor patients with WARD 24/7

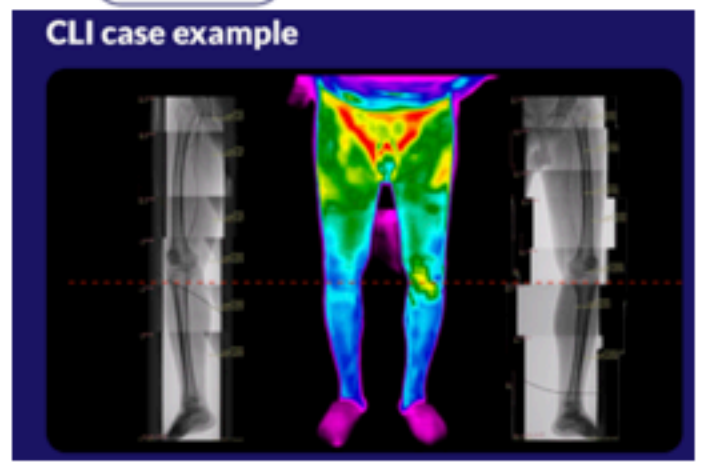
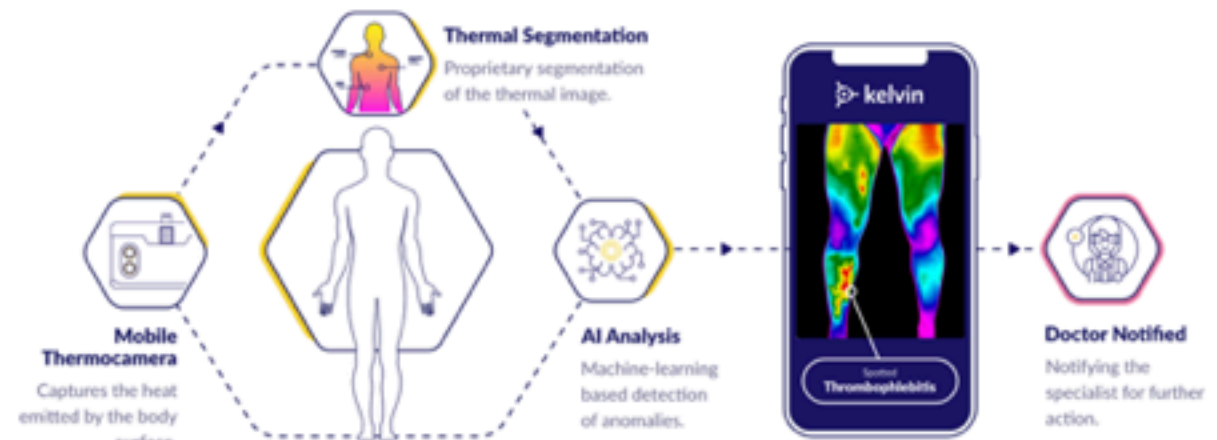


Advanced AI algorithms interpret standard vital sign patterns from standard wireless sensors and detect deterioration earlier in real-time.



In the future?

- CHF
- CKD
- Preeclampsia
- Hyperglucomia
- Skin cancer
- Thermography (PAD & CLI)



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THANK
YOU

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