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**AHSN**

**Transforming Lives  
Through Innovation**

# **Y&H AHSN Horizon scan Primary Care Digital**

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# About Yorkshire and Humber Academic Health Science Network

**Yorkshire & Humber AHSN is one of 15 AHSNs set up by NHS England to operate as the key innovation arm of the NHS.**

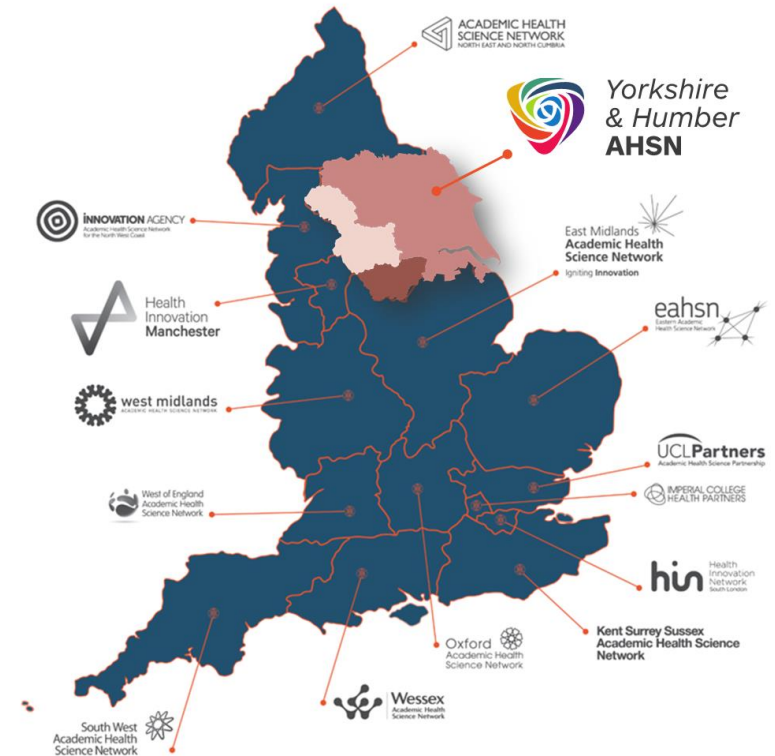
Across the country, AHSNs act as a bridge between health care providers, commissioners, academia and industry. By connecting these sectors, we help to build a pipeline of solutions for the NHS from research and product development through to implementation and commercialisation.

Locally we work in partnership with our regional health and care community and develop projects, programmes and initiatives that reflect the diversity and meet the needs of our local populations health care challenges.

As one of England's fifteen AHSNs, YHAHSN has a significant track record in international activity, successfully supporting the import/export of innovative tools and techniques to enhance patient care within England's health and care system, and contribute to economic growth.

We work closely with and have access to a wealth of national and international partners spanning the public, private and academic sectors, meaning we have access to a wealth of cutting-edge specialist skills to support delivery of highly technical projects.

At Yorkshire & Humber AHSN we believe in the power of new ideas to improve lives and our ambition is to work together with all our partners to make life better for the people in our region by improving their health and care, and by creating a thriving economy for everyone.



# Executive Summary

## Background

The Government commissioned review into the future of primary care, published by the NHS in May 2022 by Dr Claire Fuller, recognised the significant pressure primary care is under. Challenges on the system has resulted in an all time low in access to general practice patient and high levels of stress in the workforce.<sup>1</sup>

This view is corroborated by the British Medical Association (BMA) who reported that GP practices across the country are experiencing significant and growing strain with declining GP numbers, rising demand, struggles to recruit and retain staff. Fewer GPs are tackling larger numbers of appointments while balancing essential patient follow-up (administrative) work, which creates knock-on effects for patients.<sup>2</sup>

The purpose of this horizon scan is to provide a high level overview of digital innovations that could support primary care with reference to the following nine priority themes:

1. Workforce innovation
2. Demand management
3. Automation in primary care
4. Community pharmacy
5. General practice
6. Care at home
7. Diagnostics
8. Point of care (POC) testing
9. Electronic patient records (EPR)

### References

1. <https://www.england.nhs.uk/publication/next-steps-for-integrating-primary-care-fuller-stocktake-report/>
2. <https://www.bma.org.uk/advice-and-support/nhs-delivery-and-workforce/pressures/pressures-in-general-practice-data-analysis>



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## Search Strategy

The horizon scan selected innovations that:

- reside in the Yorkshire & Humber AHSN Pipeline <sup>1</sup>
- are listed in the National AHSN Network Innovation Pipeline <sup>2</sup>
- are listed on the Health Innovation Exchange Portal <sup>3</sup>
- are listed in specific horizon scans (Primary care digital tools by UCL Partners and Wessex AHSN) <sup>4</sup>
- are current GP National clinical systems (EMIS & TPP) <sup>5</sup>

## Results

Of the **+1400** innovations that resided in the selected databases, a total of **244** innovations related to digital primary care solutions.

Of these, **145** innovations are already or ready to be deployed.

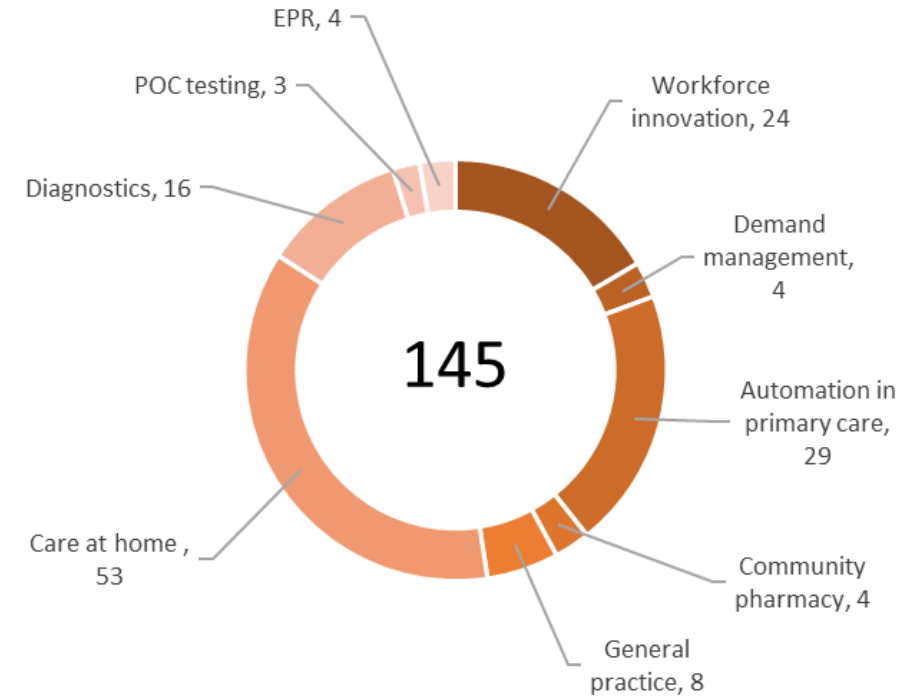
A further **20** solutions relate to GP National clinical systems.

### References

1. Y&H AHSN. Pipeline. Internal data on file.
2. AHSN Network. Discover, Develop, Deploy. AHSN Innovation Pipeline, 2021/22 Quarter Two Data Return. Held on file at the AHSN Network.
3. Healthinnovationexchange.org.uk
4. UCL Partners & Wessex AHSN- Primary care digital tools horizon scans, Dr Nausheen Hameed, Rob Hull

## Summary of Innovations Mapped to Priorities

The search identified 145 deployable innovations which could support primary care. Each innovation was mapped to one of the nine NHS priorities, with the majority relating to Workforce or Care at Home. Information on all these innovations are provided in the following slides.



Number of Innovations mapped to NHS Priorities

- This document is intended for guidance only. The Y&H AHSN does not endorse any of the commercial products included within this document
- The technologies and companies included are neither preferred nor sole providers, and procurement or purchase of these would be conducted in accordance with the relevant procurement law obligations, using frameworks relevant to the requirements of the respective contract and/or tender.

# Innovations Mapped to NHS Priorities



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# 1. Workforce Innovation

Innovation	Company	Website	Description
Bleepa	Bleepa Ltd	<a href="https://bleepa.com/">https://bleepa.com/</a>	Bleepa is a mobile based communication platform that enables remote and secure communications between clinicians and teams around individual patient episodes.
BLULIGHT	Matthew Kerton	n/a	Self-scoring screening service for assessing staff wellbeing in the workplace.
Cygnum for Elective Care Recovery	CACI Ltd	<a href="http://www.caci.co.uk">www.caci.co.uk</a>	Cygnum is a multi-service workforce/resource management system, underpinned by a single, extremely performant database. Based on patient demand, rules can be used to schedule staff to a treatment pathway based on their competencies and availability.
Digital employee engagement programme	Green Rewards Limited T/A Team Jump	<a href="http://www.teamjump.co.uk">www.teamjump.co.uk</a>	Each programme is customised to each individual Trust; tailored especially for their staff and to their priorities. Participants take part in activities to earn Green Points; which in turn allow them to compete on the leader boards and win rewards. Within the programme there is an impact dashboard which serves as a feedback loop to show the impact achieved in different measures (such as miles travel or KG of CO2 avoided); this can be viewed on an individual or organisational basis.
DocAbode	DocAbode	<a href="https://docabode.com/">https://docabode.com/</a>	Workforce solution to assist with requests to NHS 111 for an out of hours GP. Matches clinician availability to requests for a GP in real time.
Dom Care Workforce Optimisation	ProComp Ltd	<a href="http://ProcompSolutionsLtd.com">Procomp Solutions Ltd (procompglobal.com)</a>	Procomp specialise in logistics optimisation and workforce management (WFM).
Geneo	Geneo	<a href="http://GENEO - Geneo">GENEO - Geneo</a>	GENEO's Platforms for Lean Standardized Work and Continuous Improvement to save time and strengthen leadership coaching with your teams.
Hexitime	Hexitime	<a href="https://hexitime.com/">https://hexitime.com/</a>	Time bank for the health and social care system. It allows staff and their patients from any organisation contributing to health and social care to share improvement ideas and exchange their skills and experience to progress them to deliver service improvements.
Innovation Lifecycle Management	Senaryo Services Ltd	<a href="https://www.senaryoservices.com/">https://www.senaryoservices.com/</a>	The platform allows the capture of 'ideas' providing a framework to describe innovation, links to best practice and a relevant knowledge base, a judging module to facilitate distributed decision making, the 'playbooks' of best practice that can be co-created.
Medxnote IT system	Medxnote	<a href="http://www.medxnote.com">www.medxnote.com</a>	Clinical chatbots that allow improved clinical workflow. Integrated with MS teams and EPRs. Supports integrated working across primary, secondary and community care.
MISS (Malinko Intelligent Scheduling System)	Malinko Care	<a href="https://www.malinkoapp.com/">https://www.malinkoapp.com/</a>	Malinko provides clinical e-scheduling software that's helping community teams to operate with the same visibility and efficiency as an ambulance or hospital inpatient service. It's the first intelligent capacity and demand scheduling tool that matches clinical skill with patient need for safe; efficient management of clinical services delivered in the community. E-rostering solution that integrates into Primary Care GP systems.

# 1. Workforce Innovation, continued

Innovation	Company	Website	Description
Online Mental Health Training	Champion Health	<a href="https://championhealth.co.uk/contact/contact-us/">https://championhealth.co.uk/contact/contact-us/</a>	Free accredited online mental health training for members of the public and workforce during COVID-19.
Pairoo	Pairoo	<a href="https://www.pairoo.com/">https://www.pairoo.com/</a>	Cloud based technology connecting clinicians directly with healthcare organisations.
Pathpoint	Open Medical	<a href="https://www.openmedical.co.uk/">https://www.openmedical.co.uk/</a>	Enhance patient outcomes with effective pathways & optimise productivity through digital transformation, while keeping workflow integrity with a seamlessly integrated system.
QIClear	Quality Improvement Ltd	<a href="https://qiclearn.com/">https://qiclearn.com/</a>	Affordable, accessible modular e-learning courses to support healthcare staff learn and apply quality improvement principles.
Realwear	MPH Group	<a href="https://mphgroup.uk/health-care/">https://mphgroup.uk/health-care/</a>	Realwear is a wearable handsfree mobile/tablet device. With an onboard camera. Workers can wear the devices and provide a video feed of what they are seeing to someone else. So workers (doctors; nurses; ambulance staff; etc) can work completely hands free (don't have to touch or use pens and paper) but be able to work digitally.
Rohme Recruitment of Healthcare and Medical Experts	Rohme	<a href="#">Home - Rohme</a>	A HR platform helping roster coordinators find and book HCPs by cross matching job request with job offers through the app.
Sensei Workforce	Dojo Development Ltd	<a href="http://www.nettlfareham.co.uk/">www.nettlfareham.co.uk/</a>	Workforce management and planning system specifically for primary care organisations-Inefficiency, management time spent on staff admin, requirements to very staff approval to work across a PCN-Improves efficiency, clarity to staff, access to rosters for staff.
SimEPR	CodeMed	<a href="#">Code Med – Digitally Transforming Healthcare</a>	SimEPR is an educational electronic patient record, which features interactive and customisable clinical scenarios for simulation training.
Stribe	Toot toot	<a href="http://Stribe (stribehq.com)">Stribe (stribehq.com)</a>	Employee engagement survey tool that gives everything you need to turn work team's voices into actionable insights. Using sentiment analysis and key phrase extraction to make positive changes that create a happier, safer workplace.
Theseus	Cyber media	<a href="http://Theseus: Weight Management Caseload System (cyber-media.co.uk)">Theseus: Weight Management Caseload System (cyber-media.co.uk)</a>	Theseus: Healthy Weight is a secure weight management caseload system to support teams delivering behavioural change interventions, obesity prevention, nutritional advice and dietetic services. Theseus: Healthy Weight delivers triage assessments, appointment management and weigh-in recording and has integrated assessment tools including BMI, diabetes and heart disease risk calculators (Q-Risk).
Workforce Management Software	Binary Health Ltd T/A Hyre	<a href="http://www.hyreapp.co.uk">www.hyreapp.co.uk</a>	An integrated workforce management platform that allows PCNs, GP Practices, and Healthcare Professionals to share their workforce and work collaboratively. To optimise coordination, efficiency, and communication. Each practice can connect with other practices to form primary care networks, which in turn can connect with other primary networks.
WorkPAL	Thirsty Horses	<a href="#">Home - Workpal</a>	Workpal boosts morale, protects mental health, inspire collaboration, increase motivation and reward for staff.
YODHA	Latus Health	<a href="#">Yodha - The World's first Connected Health Platform</a>	A single wellbeing programme, that all businesses, no matter where in the world they are, can offer to every employee and it will provide a truly unique wellbeing experience for each employee based on their individual needs. Online GP, Digital Physio, Counselling on demand etc.



# 2. Demand Management

Innovation	Company	Website	Description
Inhealthcare Digital Health Platform	Inhealthcare Limited	<a href="https://www.inhealthcare.co.uk/">https://www.inhealthcare.co.uk/</a>	Inhealthcare has developed an automated symptom checker for the daily screening of thousands of people for signs of coronavirus before their routine outpatient appointments.
Lenus Digital Health Platform	Storm ID	<a href="http://www.stormid.com">www.stormid.com</a>	The Lenus Health COPD Management Service integrates patient acquired information (from devices such as fitbits; ResMed; etc and captures regular Patients Reported Outcomes Measures) with medical health records to allow clinicians to actively manage the health and wellbeing of patients remotely.
LTC and comorbidity management in primary care	Unknown		The key objective of the project is to improve the management of patients with multi-morbidities and Long-Term Conditions (LTC) in primary care by developing an end-to-end user platform for clinicians that brings together two innovative digital tools (CareMonitR and Liberate Pro) and a framework (Suffolk Risk Stratification templates) that will optimise patient outcomes and workforce efficiencies.
Vaccine Bus	DriverNet Limited	<a href="http://www.driver-net.com">www.driver-net.com</a>	Work with GPs and the NHS to provide grouped appointments to vaccine boosters. Software works initially by having patients location data uploaded into the operating system. The system then batches patients onto vehicles depending on the capacity of the vehicles and locations of the patients. The transport operator then takes the routes and picks up the patients.

# 3. Automation in primary care

Innovation	Company	Website	Description
BI - Cardiometabolic Data Science project	Boehringer Ingelheim		The utilisation of data science for cardiometabolic pathway optimisation to support COVID-19 recovery in high-risk populations.
BookYourGP	Hummingbirds Medical	<a href="https://www.hummingbirdsmmedical.com">https://www.hummingbirdsmmedical.com</a>	A software solution that automates the whole process of organising patient care; organising follow ups; messaging patients and booking appointments. The software is aimed for GP surgeries to use for any patient that requires medical care.
Calbot	Calbot	<a href="https://calbot.cc">https://calbot.cc</a>	Calbot, is a meeting scheduler intended to facilitate collaboration between groups of people from different organisations whose calendars don't talk to each other. By adopting Calbot our users are able to connect their work and personal calendars from a range of calendar service providers.
Diabetes self management	Digibete	<a href="http://www.digibete.org/">www.digibete.org/</a>	Advice platform to support young people and families with the management of type 1 diabetes.
Dip.io (Remote ACR screening across WYH ICS )	Healthy.io UK Limited	<a href="https://healthy.io/eu">https://healthy.io/eu</a>	Kit allows people to test themselves at home for signs of CKD and receive immediate clinical results. Using colourimetric analysis, computer vision, and AI. Transform the smartphone camera into a clinical-grade medical device. The app walks the user through a simple test, making it as easy as snapping a photo.
ECG on Demand	Technomed Limited	<a href="http://Ambulatory ECG Holter monitoring - ECG On-Demand (ecg-od.com)">Ambulatory ECG Holter monitoring - ECG On-Demand (ecg-od.com)</a>	Ambulatory ECG monitoring service, with wearable device, AI-led processing and analysis and clinical reporting. User manuals available in 15 languages.
E-Reception	Enhance Primary Healthcare Limited	<a href="http://www.enhanceprimaryhealthcare.co.uk">www.enhanceprimaryhealthcare.co.uk</a>	E-reception is a website based tool which automates all reception functions. Patients go on their practice's website to access e-reception rather than telephoning their practice reception team.
Eyecheck System - AI clinical imaging platform	Eyecheck System AS	<a href="http://www.eyecheck-system.com">www.eyecheck-system.com</a>	ECS platform enables primary care referrals to be triaged into virtual or face-to-face clinic settings. This decision is made by a specialist working in the cloud-based referral platform and based on patient history and scans. The pictures are taken by local optometrists or other health personnel that can be located in more rural areas.
FamGenix	FamGenix	<a href="http://www.famgenix.com">www.famgenix.com</a>	With FamGenix, patients can record their family health history via a mobile/computer app. Uniquely, the app facilitates the secure exchange of data among family members. Each family member controls their own record, but can share information and updates with one another, greatly increasing the accuracy.
Fibrichck	Fibrichck	<a href="https://www.fibrichck.com/">https://www.fibrichck.com/</a>	Advanced heart rhythm monitoring for detection and management of atrial fibrillation. Providing immediate and actionable results through the medically certified app. Remote cardiac monitoring.
Health Diagnostics	Health Diagnostics	<a href="https://www.healthdiagnostics.co.uk/">https://www.healthdiagnostics.co.uk/</a>	Digital tools for providing and managing health checks.

### 3. Automation in primary care, continued

Innovation	Company	Website	Description
Hedia	Hedia	<a href="https://www.hedia.co/">https://www.hedia.co/</a>	Type 1 diabetes app that communicates wirelessly with monitoring devices and makes recommendations based on glucose levels.
Invisible Systems in Suffolk PCN	Unknown		The aim of this project is to install Invisible Systems sensors to 14 GP premises across Suffolk and test whether adopting temperature and energy sensors will: save clinical staff time monitoring fridges, improve patient safety, improve regulatory compliance, and reduce medicines waste, energy costs and carbon emissions.
LifeGraph Network	BurstIQ (Agent: Kwik Consulting)	<a href="http://www.burstiq.com">www.burstiq.com</a>	BurstIQ builds immutable longitudinal profiles of people, places and things, and then connects profiles to each other with machine learning. This creates multi-dimensional blockchains, called Lifegraphs™, that reveal the interdependence between all the various factors that influence individual health and system efficiency.
Medicsen - Diabetes management devices	Medicsen	<a href="http://Medicsen">Medicsen</a>	Painless alternative to manage chronic diseases. Tool to assist with the self-management of chronic diseases.
Medicspot Clinical Station	Medicspot	<a href="http://www.archealth.io">www.archealth.io</a>	Arc allows clinicians working remotely to perform real-time comprehensive examinations on a patient. GP surgeries and CCGs across the UK trust Arc to manage their patients. Using an integrated stethoscope; blood pressure machine; pulse oximeter; thermometer and high definition camera for the ears and oropharynx (medicam); clinicians can comprehensively manage patients remotely. Remotely consult and examine patients when necessary.
Medwise.ai	Medwise AI Ltd	<a href="https://medwise.ai/">https://medwise.ai/</a>	Medwise.ai is a question-answering platform that allows clinicians to quickly find best practice answers to clinical questions at the point of care.
Ninchat	Ninchat	<a href="https://ninchat.com">https://ninchat.com</a>	Ninchat offers use-case specific tailored messaging flows for various purposes. Messaging can be: - bot automations (for example prescription renewals; covid-interviews; referrals to operation/lab etc.) - self-service direction (24/7) with option to videocall with a specialist - on-call consultations: chat/files/video consultations (nurse-patient; doctor-patient) - scheduled consultations: chat/files/video consultations (nurse-patient; doctor-patient) - internal consultations (nurse-doctor; doctor-specialist; alarm-groups) - 1-1 or group messaging.
POC Urine	Clinical Design Ltd	<a href="http://www.clinical.design">www.clinical.design</a>	Urine Testing System purpose is to read patient urine samples more accurately, hygienically and quickly in a practice or clinic setting. The results are entered digitally in to the patient record rather - eliminating the chance of manual transcription errors.
Remote Check In	Remote Check In Ltd	<a href="http://www.remotecheckin.co.uk">www.remotecheckin.co.uk</a>	Remote Check In offers patients and practices an alternative Check In solution where they can Self Serve via a Mobile Responsive Web Portal. This enables patients arriving for a booked appointment at a practice to announce their arrival to the practice electronically offering an alternative to the traditional Reception Desk or Touch Screen options, without the need to touch any public/communal equipment and without entering the practice space.
Remote waiting room	Attend Anywhere	<a href="https://www.attendanywhere.com/">https://www.attendanywhere.com/</a>	Attend Anywhere collaborates with governments, hospitals and health systems to make video call access a normal part of day-to-day operations.

### 3. Automation in primary care, continued

Innovation	Company	Website	Description
Teeth4Life	Care4Teeth	<a href="http://www.care4teeth.co.uk/">http://www.care4teeth.co.uk/</a>	Dental health app, relaying the dental check up report and recommending exercises to improve dental health.
Virtual Lucy	Healthcare Business Solutions UK	<a href="http://www.hbsuk.co.uk">www.hbsuk.co.uk</a>	Virtual Lucy is a expert Digital Triage Application designed for patients. Using friendly Apple technology, Lucy supports patients from referral through assessment, treatment and rehabilitation.
Virtual ward Ouris Health	Ouris Health	<a href="https://ourishealth.com/">https://ourishealth.com/</a>	Ouris health is a communication solution connecting patients with primary, secondary and social care organisations. Functions - Online and Video consultation, Remote monitoring, and Virtual ward solutions along with SMS - 2 way and APP notifications. Professionals can admit patients remotely and manage vitals and well being through APPs. Can send and receive messages and conduct a Video consultation and able to assign multi disciplinary team in the care of the patient Patients can request online help (Online Consultation) with GPs.
Voom Health	Voom Health		Voom Health Respiratory Management is a software consisting of a patient app and clinician software that allows the management of respiratory disease. It has an emphasis on managing and not just monitoring disease, giving clinicians all of the information and tools.
<a href="#">Zenikor</a>	ZeniCor	<a href="https://zenicor.com/">https://zenicor.com/</a>	Hand-held ECG device, Class IIa, for intermittent monitoring of arrhythmia, plus web-based service "ECG Doctor System".
<a href="#">Zio Patch</a>	iRhythm	<a href="http://Patients-Zio@byiRhythmUK.irhythmtech.co.uk">Patients - Zio@ by iRhythm UK (irhythmtech.co.uk)</a>	Ambulatory ECG service with wearable device for seamless monitoring up to 14 days. Includes AI-led processing & analysis and clinical reporting.
Zymego	Zymego	<a href="http://zymego.com">http://zymego.com</a>	Zymego is an automated system that shortens waiting times and reduces administration. Zymego schedules cancelled and vacant slots automatically, by offering available time slots to the clinics and hospital patients.
3DLifePrints	medical 3D printing	<a href="https://www.3dlifeprints.com/">https://www.3dlifeprints.com/</a>	3D LifePrints (3DLP) has expertise in the design and 3D printing patient specific anatomical models, surgical simulation models, prosthetics, orthopaedic and cranio-maxillofacial cutting guides and implants.

# 4. Community pharmacy

Innovation	Company	Website	Description
AnalyseRx	First DataBank Europe Ltd	<a href="https://www.fdbhealth.co.uk/solutions/analyserx-medicines-optimisation">https://www.fdbhealth.co.uk/solutions/analyserx-medicines-optimisation</a>	It is a practice wide solution offering pharmacists and practice colleagues the opportunity to work more cohesively, from a digital perspective. AnalyseRx offers primary care pharmacists the opportunity to proactively manage change patients on long term medications from directly within EMIS Web while also maintaining continuity for the patient while they continue to interact with different members of the practice team.
Biodose	Dose Care	<a href="https://www.biodose.co.uk/">https://www.biodose.co.uk/</a>	Medication management device, Biodose is a smart MDS. The first monitored dosage system on the market to accommodate liquid and solid medication.
CSIS Medication Review Solution	CSIS Health	<a href="http://www.csishealth.com">www.csishealth.com</a>	Medicines Optimisation Clinical Decision Support Software designed to automatically apply the StoppStart and AGS Beers Criteria to a patient's medical record and provide patient specific point of consultation decision support to a clinician performing a medication review.
Electronic Repeat Dispensing (eRD)			A process for patients who are on regular stable medication to have their prescription sent directly to the pharmacy without the need for printed prescription scripts, streamlining the process and reducing face to face interactions during COVID. An option on GP systems which can be activated for the relevant patients. Being deployed nationally by NHS BSA and NHSEI with the support of the AHSN Network, NHSD, TPP and Emis Health.

# 5. General practice

Innovation	Company	Website	Description
AccuRx	AccRx Limited	<a href="https://www accurx.com/">https://www accurx.com/</a>	Accurx lets healthcare teams and patients seamlessly connect with each other. Through the integrated platform, NHS professionals can manage their patient care and communication. You can use Accurx to: Send SMS messages and patient questionnaires. Provide appointment reminders and referrals. Hold video consultations. Manage virtual wards, outpatient clinics and follow-up pathways.
Bubble Medical App	Suburban Health Ltd	<a href="http://www.suburbanhealth.co.uk">www.suburbanhealth.co.uk</a>	The Apps purpose is to remove the need for paper recordings, patients to keep a digital health diary and help clinicians reduce their workload/appointments as it enables patients to monitor their health at home. The patients send their readings to their surgery through the App by clicking on 'Share with Doctor' button and the PDF report will arrive in the surgery email inbox.
C the signs	C the signs	<a href="#">C the Signs   Find Cancer Earlier</a>	C the signs use AI technology, data and the latest research to find cancer at the earliest, most curable stage – helping people live longer, healthier lives.
EasyScreenTV	EasyScreen	<a href="#">How Digital Waiting Room Displays Improve GP Surgeries - Easyscreen.tv</a>	EasyScreen TV is another digital notice boarding platform which supports display of health messages, news channels and patient information. Supports signposting within the practice, to clinic rooms and any other messaging required within the practice.
Envisage	NuMed	<a href="#">Envisage   Patient Check-in, Waiting Room TV &amp; Patient Call System (envisagecoda.co.uk)</a>	Enhance GP waiting room with waiting room TV ,Envisage provides a range of features and content to promote GP practices and educate patients Envisage allows GPs to: Enhance your waiting room, Entertain and educate your patients, Reduce perceived waiting times.
Klinik - Improving GP triage	Klinik	<a href="https://klinikhealthcaresolutions.com/">https://klinikhealthcaresolutions.com/</a>	Creates a digital Channel for patients to access there GP practice via an intuitive online consultation form. Enable practice s to manage there patient follow more efficiently. The ability to gather 100% of inbound enquires into GP practice enabling enquires to be triage in a consistent manor regardless of enquiry method (Phone, Walking or online).
Livi	Livi	<a href="http://www.livi.co.uk">www.livi.co.uk</a>	Livi lets patients see a GP by video in minutes – on their mobile or tablet. GP appointments by video, 7 days a week.
Practice365	Iatro Partners	<a href="https://iatro.health/">https://iatro.health/</a>	Practice365 is a GP practice website platform fully integrated with a marketplace of digital tools to support patients. Enables practices to increase digital adoption by serving as the digital front door for patients to access a marketplace of fully integrated digital health tools.

# 6. Care at home

Innovation	Company	Website	Description
ACT Assessment	Age Care Technologies	<a href="http://www.agecaretechnologies.org">www.agecaretechnologies.org</a>	The innovation is to help older people report their concerns relating to their health independence and wellbeing and connect them to sources of support and advice to address their priorities for help.
AI-Powered Site Search	Yext	<a href="https://www.yext.com/">https://www.yext.com/</a>	An AI-powered Answers platform that leverages the understanding of Natural Language and returns direct answers to any question patients are asking. The size of the intended patient group is simply anyone looking for answers on any NHS website that has implemented Yext Answers.
Aktiia	Aktiia	<a href="#">Aktiia - Your Home Blood Pressure Monitoring Solution</a>	Optical blood pressure monitor worn on the wrist (PPG) data is streamed to a secure cloud, which is then available via smart device iOS and Android , algorithm provides clinically validated data for systolic and diastolic blood pressure values both day and night, indication of time in range and night time hypertension.
AlphaStim	The Microcurrent site	<a href="https://www.themicrocurrentsite.co.uk/">https://www.themicrocurrentsite.co.uk/</a>	The Alpha-Stim device provides treatment for psychological conditions such as anxiety, insomnia and depression. This is by incorporating CES (Cranial Electrotherapy Stimulation) with Microcurrent technology and a patented waveform. This real world validation project introduces the device to patients in primary care presenting with anxiety as a treatment choice alongside IAPT or pharmacological treatment.
AposHealth	AposHealth	<a href="https://www.aposhealth.co.uk/">https://www.aposhealth.co.uk/</a>	AposHealth is a foot-worn medical device for patients with moderate-severe knee osteoarthritis. This physiotherapist- led treatment addresses the biomechanical and neuromuscular effects of osteoarthritis to improve joint pain and function to delay or avoid the need for knee replacement surgery. It is a treatment that can be delivered both in-clinic and remotely via telehealth.
Arc Health	Medic Spot	<a href="https://www.medicspot.co.uk/video">https://www.medicspot.co.uk/video</a>	Enhancing remote consultation with the ability to examine patients in real-time.
Be Mindful	WellMind Health	<a href="https://www.wellmindhealth.com/">https://www.wellmindhealth.com/</a>	A clinical-grade digital therapeutic mindfulness course for better mental health.
CareAnimations	CareAnimations	<a href="http://www.careanimations.com">www.careanimations.com</a>	CAREANIMATIONS is a digital health company specialised in providing reliable, easy-to-access and easy-to-understand medical information for patients using innovative communication tools and tailored, interactive animated videos and pictograms.
<a href="#">Changing Heath</a>	Changing Health	<a href="https://www.changinghealth.com/">https://www.changinghealth.com/</a>	Digital education and personalised coaching programme for Type 2 diabetes.
<a href="#">CliniTouch Vie</a>	SpiritDigital	<a href="http://Heart Failure   Spirit Digital (spirit-digital.co.uk)">Heart Failure   Spirit Digital (spirit-digital.co.uk)</a>	A digital platform enabling remote monitoring and integration with any Bluetooth enabled spirometers, BP monitors.
<a href="#">CliniTouch Vie</a>	Spirit Digital	<a href="https://spirit-digital.co.uk/heart-failure/">https://spirit-digital.co.uk/heart-failure/</a>	A digital platform enabling remote monitoring and integration with Holter monitor or single-lead ECG.
<a href="#">CliniTouch Vie</a>	Spirit Health	<a href="https://www.spirit-health.co.uk/">https://www.spirit-health.co.uk/</a>	CliniTouch Vie enables a remote relationship between clinicians and patients which highlights concern using data from the system. This information is the backdrop for an informed exchange and provides real time data and history of the patient. As the question sets are created in line with specific need, all health areas can be included.
Corpus VR	inMotion VR	<a href="http://www.inmotionvr.com">www.inmotionvr.com</a>	Corpus VR consists of a Virtual Reality headset that can be connected (remotely) to a dashboard app that runs on a tablet. The tablet is mainly for the therapist to manage the patient and control the training exercises they receive in the VR headset.

## 6. Care at home, continued

Innovation	Company	Website	Description
Deprexis	Ethypharm Digital Therapies	<a href="http://www.ethypharm.com">www.ethypharm.com</a>	Online CBT based solution consisting of 10 modules. The content is personalised to patient responses and they are guided through relevant sections. Being used at step 2 in the NICE guidelines for depression within a primary care setting.
Digital Health Platform	Desap Enterprises	<a href="http://www.desap.co.uk">http://www.desap.co.uk</a>	The Platform enables the Redesign of the Patient Pathway, providing a coordinated link between Primary Care and Secondary Care. The Platform provides the ability to conduct Remote Triage and Virtual Patient Consultations, using Video and Audio Conferencing. Thus allowing Patients to stay at home.
<a href="#">Dignio</a>	Dignio	<a href="#">Dignio</a>	A digital platform enabling remote monitoring and integration with any Bluetooth enabled spirometers, BP monitors and other connected accessories.
<a href="#">Docobo</a>	Docobo	<a href="http://www.docobo.co.uk">www.docobo.co.uk</a>	Patient monitoring and demand analytics is used in care homes, in primary care settings, in patients' own homes and by hospitals, for higher acuity care at home and supported discharge. The tools enable care professionals to understand the integrated care needs of their population and reduce their demand on the whole care ecosystem.
E.R.A.S.E Pain	LT Training Academy	<a href="http://www.themusclewhisperer.co.uk">www.themusclewhisperer.co.uk</a>	'E.R.A.S.E Pain' is an educational workshop that was developed to support people with mental health issues and/or reduce prescriptive medication/opioids for people with Musculoskeletal pain.
Ethel - my smart care hub	Ethelcare	<a href="http://www.ethelcare.co.uk">www.ethelcare.co.uk</a>	Ethel's intended purpose is to help support a patient in their own home and help increase staff capacity. Ethel has a range of features including video calling; vital signs monitoring; daily check-ins; medication reminders; daily reminders; messaging and more.
<a href="#">Feebris</a>	Feebris	<a href="#">Feebris - Better Patient Outcomes For Providers</a>	A digital platform plus portable sensor devices, powered by AI to identify markers of disease to detect early warning signs.
getUBetter	getUBetter	<a href="http://www.getubetter.com">www.getubetter.com</a>	getUBetter provides digital support to patients with MSK conditions so they trust their recovery and only access services when necessary, provide standardised MSK pathways across a population with a digital first approach. The function of getUBetter is a cross platform (Android and iOS) mobile and web app and to provide self-management support for all common musculoskeletal injury and conditions.
GP Video Library	GP Video Library Ltd	<a href="#">GP Video Library</a>	Videos to support the provision of information to patients in primary care, enhancing patient communication for a more resilient General practice.
GPEP	GPEP	<a href="http://www.gpep.co.uk">www.gpep.co.uk</a>	Joint and muscle rehab, gives access to video rehab library, live classes and connection to a support community.
Health Call	Health Call	<a href="http://www.nhshealthcall.co.uk">www.nhshealthcall.co.uk</a>	A range of digital solutions to improve pathways between care home and NHS services.
Healthinote	Cognitant Group Ltd	<a href="https://www.cognitant.com/">https://www.cognitant.com/</a>	A platform (www.healthinote.com) to host and deliver interactive content to patients that has been recommended to them by their clinician. Healthinote has web and mobile app features to enable patients to view recommended content on a wide range of devices.
HN Virtual Ward / HN Predict	HN-Company (previously Health Navigator)	<a href="http://www.hn-company.co.uk/">www.hn-company.co.uk/</a>	Use AI to identify adverse and avoidable patient events and provide clinically staffed virtual wards to mitigate these risks.
Hypertension Plus	Omron	<a href="https://www.omron-healthcare.co.uk/nebulisers/wheezescan.html">https://www.omron-healthcare.co.uk/nebulisers/wheezescan.html</a>	Home Blood pressure monitors.
<a href="#">In Healthcare</a>	Inhealthcare	<a href="#">Digital health services for long term conditions   Inhealthcare</a>	Digital education and personalised coaching programme for Type 2 diabetes, plus remote monitoring including omni channel recording of HbA1c.



## 6. Care at home, continued

Innovation	Company	Website	Description
<a href="#">In Healthcare</a>	InHealthcare	<a href="#">Digital health services for long term conditions   Inhealthcare</a>	A digital platform for remote monitoring including omni channel recording of SpO2, blood pressure, automatic triage of readings & upload to EMR.
<a href="#">Isansys Lifecare</a>	Isansys Ltd	<a href="#">Isansys Products - Wearable Sensors</a>	A digital platform with wearable biosensor worn to enable continuous vital sign monitoring, including AF.
KiActiv	KiActiv	<a href="https://kiactiv.com/">https://kiactiv.com/</a>	KiActiv personalises body data and cutting-edge science with one-to-one mentoring to create healthy new habits that compliment daily routine. Wearable technology is validated for accuracy and collects a complete picture of everyday activities.
Lifelight	Xim Ltd	<a href="https://lifelight.ai">https://lifelight.ai</a>	Device to measure blood pressure, pulse and breathing rate simply by a patient looking into the device's built-in camera for 40 seconds.
<a href="#">Low Carb Program</a>	DDMHealth	<a href="https://www.lowcarbprogram.com/">https://www.lowcarbprogram.com/</a>	A QISMET-accredited 10-week, evidence based structured behavioural-change programme.
<a href="#">My Diabetes My Way</a>	MDMW	<a href="https://mydiabetesmyway.scot.nhs.uk/">https://mydiabetesmyway.scot.nhs.uk/</a>	Online self-management platform for people with diabetes.
<a href="#">Myasthma</a>	MyHealth Ltd	<a href="https://mymhealth.com/myasthma">https://mymhealth.com/myasthma</a>	myasthma platform with app, is an evidence-based digital therapeutic for self-management of patients with asthma.
<a href="#">myDiabetes</a>	myHealth Ltd	<a href="https://mymhealth.com/mydiabetes">https://mymhealth.com/mydiabetes</a>	myDiabetes platform with app, is an evidence-based digital therapeutic for self-management of patients with type 2 diabetes.
My Possible Self	My possible self	<a href="#">For NHS - My Possible Self</a>	My Possible Self is a mental health app that uses clinically proven content to reduce symptoms of low mood, anxiety and stress in 8 weeks. It provides simple learning modules to manage fear, anxiety and stress and tackle unhelpful thinking. It enables people to record their experiences and track symptoms to better understand their own mental health.
Oviva	Oviva UK Limited	<a href="https://oviva.com/uk/en/">https://oviva.com/uk/en/</a>	Nutritional and lifestyle coaching programmes, programmes combine personalised care led by healthcare professionals with unique digital tools, coaching via app, by phone or via video call.
<a href="#">Oviva Diabetes Support</a>	Oviva	<a href="#">Diabetes Support   Oviva UK</a>	A QISMET-accredited, evidence-based structured education and behavioural change intervention for people with type 2 diabetes.
Patients Know Best	Patients Know Best	<a href="https://patientsknowbest.com/">https://patientsknowbest.com/</a>	Patients can access up-to-date information on treatments, medication, allergies and more from any device.

## 6. Care at home, continued

Innovation	Company	Website	Description
Perioperative Coaching App	Sapien	<a href="http://www.sapienhealth.io">www.sapienhealth.io</a>	Behavioural intervention app for patients awaiting elective surgery.
Physitrack and PhysiApp	Physitrack PLC	<a href="https://www.physitrack.com/">https://www.physitrack.com/</a>	Physitrack is a cloud-based technology that enables clinicians to prescribe exercise and education content to patients, as well as a platform to closely monitor adherence and progress. The clinician prescribes a programme via the clinician facing software, Physitrack (iOs, Android, web) to a patient. The patient then accesses their prescribed programme via the patient-facing software, PhysiApp (iOs, Android, web).
PR in VR	Concept Health	<a href="https://concepthealth.co.uk/">https://concepthealth.co.uk/</a>	Pulmonary rehab delivered via VR Headset.
Proactive Care @ Home for patients with Long Term Conditions	UCLP	<a href="#">UCLPartners proactive care programme - UCLPartners</a>	UCL Partners produced proactive care frameworks for stratifying care according to level of risk with new models of care based on four core principles: <ul style="list-style-type: none"> <li>• Virtual by default</li> <li>• Mobilising the wider workforce (including pharmacists, HCAs, nursing associates, social prescribers and others</li> <li>• Step change in support for self-management</li> <li>• Digital innovation, including tools for self-management and technology for remote monitoring</li> </ul>
<a href="#">Rehab Guru</a>	RehabGuru	<a href="https://www.rehabguru.com/">https://www.rehabguru.com/</a>	An exercise prescription platform for healthcare professionals to support remote health management & pulmonary rehab.
Salaso	Salaso	<a href="https://salaso.com/">https://salaso.com/</a>	Home exercise prescription programs. Prescribe your patients with dedicated high-definition video exercises chosen by you for their specific injury.
<a href="#">Second Nature</a>	SecondNature	<a href="#">Second Nature</a>	A QISMET-accredited, evidence-based structured education and behavioural change intervention for obesity and/ or type 2 diabetes.
Sleepio	Big Health	<a href="#">Onboarding Sleep Test - Sleepio</a>	Sleepio is an online sleep improvement programme, clinically proven to help people fall asleep faster, stay asleep through the night giving people more energy during the day. The programme is based on Cognitive Behavioural Therapy (CBT). It teaches cognitive techniques to help tackle the racing mind and behavioural strategies to help reset sleeping patterns naturally, without relying on sleeping pills.
Sleepstation	Born Digital Health	<a href="https://www.sleepstation.org.uk/">https://www.sleepstation.org.uk/</a>	Sleepstation helps people identify the underlying causes of their sleep problem and provides the support and guidance needed to improve their sleep, with a focus on empowering them to self-manage their condition moving forward.
Teeth4Life	Teeth4Life	<a href="http://www.care4teeth.co.uk/">www.care4teeth.co.uk/</a>	The App uses standardised animation videos for different age groups to support their oral health. It includes a scoring system that explains to the public the BPE; and BEWE in a pictorial manner to highlight the importance to their health as BP and BMI. The scoring should NUDGE them into setting monthly reminders on how to check themselves for cancer.
The Fast 800	Healthlab Online	<a href="https://thefast800.com/">https://thefast800.com/</a>	The Fast800 is essentially a step by step online rapid weight loss stage of the diet that involves eating 800 calories a day for 2 – 12 weeks depending on the situation and condition of the patient.
TrackActive	TrackActive (Active Health Tech Ltd)	<a href="http://www.trackactiveme.com">www.trackactiveme.com</a> <a href="http://www.trackactivepro.com">www.trackactivepro.com</a>	TrackActive ME is a digital product for users to self-assess and self-manage for common MSK conditions across all regions of the body. Users undertake a chatbot assessment and answer questions regarding symptoms for their condition, where algorithms use these answers to determine; provisional diagnosis and suitability for self-management, or referral to early-intervention medical care services.
Tytcare	Tytcare Telehealth Solution	<a href="https://www.tytcare.com/">https://www.tytcare.com/</a>	The kit includes a digital stethoscope, otoscope, exam camera with a tongue depressor, skin camera and non-contact forehead thermometer. The devices can be used both by professional trained users, for example at clinics, care homes or schools, or at home by patients, where then the users are guided by Tyto's AI-guided technology, using machine learning to provide feedback while performing the exams and validating the desired image or sound was captured in a diagnostic quality.

# 7. Diagnostics

Innovation	Company	Website	Description
Ada AI Tool	Ada Health	<a href="https://ada.com/">https://ada.com/</a>	Ada is a symptom checker created by doctors, Manage your health with the symptom tracker and the latest medical information.
Cardiosignal	Precordior-oy	<a href="#">CardioSignal</a>	App based detection of AF, CardioSignal is a mobile application and a CE marked class IIa medical device available for iOS and Android. Phone is placed on the users chest for one minute. A powerful tool for atrial fibrillation detection now accessible to you anywhere with internet access.
Celestron -Nexgo	Celestron	<a href="https://www.celestron.com/products/nexgo-universal-smartphone-adapter">https://www.celestron.com/products/nexgo-universal-smartphone-adapter</a>	Nexgo A low cost anterior imaging system for the eye, utilising a camera phone, adapter and lens. Celestron supply the NexGO adapter which connects a smartphone to a microscope so that images can be captured through the eyepiece by the smartphone.
Cupris	Cupris	<a href="https://www.cupris.com/">https://www.cupris.com/</a>	Digital otoscope connecting to mobile device.
Glyconics	Glyconics	<a href="https://glyconics.com/">https://glyconics.com/</a>	Diabetes alternative to HbA1c, through laser scan of fingernail.
HIRO handheld diagnostic device	Biocel Analytics	<a href="http://www.biocelanalytics.co.uk">www.biocelanalytics.co.uk</a>	Rapid diagnosis of infections, myocardial infarction, preterm labour and neurodegenerative disease. Reduces the cost of infection diagnosis, can diagnose antibiotic resistance.
Kardia	AliveCor	<a href="https://www.alivecor.co.uk/">https://www.alivecor.co.uk/</a>	Hand-held ECG device that connects to smartphone or smart watch and can provide instant diagnosis of AF.
Lifelight	Xim	<a href="https://lifelight.ai/">https://lifelight.ai/</a>	Take accurate blood pressure, pulse and breathing rate readings in 40 seconds, just by a patient looking into any smartphone or tablet device. Completely contactless, with no additional hardware needed.
Linus Brain Health - Point of Care evaluation	Linus Healthcare	<a href="#">Linus Health   Home</a>	The Linus Platform provides Multi-Modal Cognitive Tracking for Neurodegeneration essentially enabling us to digitally screen out people with early cognitive decline from key cohorts in primary care, and then establish care packages, through both digital and other modes.
Lung Health	Lung Health	<a href="https://www.lunghealth.co.uk/">https://www.lunghealth.co.uk/</a>	Decision-support software for diagnosing and managing lung conditions, aligning the clinicians review with with current clinical guidelines.
Medicspot/Arc	Medicspot (T.A. Arc Health)	<a href="https://www.archealth.io/">https://www.archealth.io/</a>	Remote patient assessment instruments with remote consultation function and GP EPR interoperability-Patients unable to attend a clinician in person (rural/remote locations, pandemic precautions)-Enables some physical examination as well as visual/spoken consultation.

## 7. Diagnostics, continued

Innovation	Company	Website	Description
MendelScan	Mendelian Ltd	<a href="https://www.mendelian.co">https://www.mendelian.co</a>	Interrogates patient records in primary care to flag patients who could potentially have one of twenty rare diseases.
Pinpoint	Pinpoint Data Science	<a href="http://www.pinpointmedical.co.uk">www.pinpointmedical.co.uk</a>	The PinPoint Test uses machine learning to combine signals from multiple blood analytes and basic patient information into a single clinical decision support tool. This allows clinicians to easily identify those patients who should be referred to specialists for cancer diagnosis, red flag particularly urgent cases and identify those who can be safely investigated for other possible causes of their symptoms.
Smart respiratory	Smart Respiratory	<a href="https://smartrespiratory.com/">https://smartrespiratory.com/</a>	Peak flow meter which attaches to smart phone and helps patients to understand their risk of an asthma attack. Digital peak flow meter and asthma tracking tool for people with asthma and a care management aid for healthcare professionals.
Social Rx - Virtual Link Worker	Promatic Digital	<a href="https://www.promaticdigital.co.uk/">https://www.promaticdigital.co.uk/</a>	Social prescribing platform to help social prescribers make recommendations and analyse their activity. Project includes expanding to a self-service model.
Youdiagnose	youdiagnose	<a href="https://youdiagnose.online/">https://youdiagnose.online/</a>	Youdiagnose is a data-driven software application for disease prognosis and guidance. The application provides the prediction output from input data on patient's symptoms, lifestyle, disease risk factors, genetic factors and various other clinical details which includes, but are not limited to, past medical history, medication and investigations performed previously.

# 8. Point of care (POC) testing

Innovation	Company	Website	Description
Perigee - UTI diagnostic aid at point of care	ODx Innovations Ltd	<a href="https://odxinnovations.com/">https://odxinnovations.com/</a>	Intended purpose - UTI diagnostic aid at point of care (pharmacy; surgery; primary care etc.)Works direct on urine providing a result within 30-60 minutes
Rapid PoC test for Bacterial Proteases	Woundchek Laboratories		Rapid Point of Care Diagnostic test for Bacterial Proteases.
Vitacam	Vitacam Ltd	<a href="https://vitacam.health/">https://vitacam.health/</a>	Vitacam is a software program designed for use in a computer server, that takes as input a video clip, or a live video stream from a digital camera to spot-check or periodically measure, via optical analysis, the respiratory rate and heart pulse rate, in ambulatory adult patients in a clinical setting or home-monitored adult patients, for clinical assessment of current condition and deterioration.

# 9. EPR

Innovation	Company	Website	Description
Abtrace- Ai-based clinical decision support tool	Abtrace	<a href="https://www.abtrace.co/">https://www.abtrace.co/</a>	A medical algorithm based on machine learning on unstructured data to use as clinical decision support tool or to produce analytics on unwarranted variation in care. Aimed to be used either in real-time during a clinical encounter or in retrospective analysis of performance data.
Blinx Solutions	GP Business Intelligence tool	<a href="https://www.blinxsolutions.com/">https://www.blinxsolutions.com/</a>	Business Intelligence tool that integrates with EMIS to create patient lists and automate appointments.
Digital i-CGA	Healthcall	<a href="http://www.intrahealth.co.uk">www.intrahealth.co.uk</a>	This tool aims to facilitate an integrated MDT approach with use of a single system digital tool. The amalgamation of data into a digital format that usefully informs the MDT. The integration of the data into GP systems Overall, the digital tool will facilitate workforce development around improving a MDT model for care delivery.
DoseCan	DoseSystem	<a href="http://www.dosesystem.com">www.dosesystem.com</a>	The innovation includes a digital product (a DoseCan and other devices) and a back-end software solution for monitoring; datacapture; statistics; and integration API's for integrating into care records; GP-records etc.

# GP Clinical System Analysis

The following listed are current systems used nationally by General Practices – currently provided by EMIS Health and TPP



Yorkshire  
& Humber  
**AHSN**

# GP Clinical System Analysis (EMIS Health)

Innovation	Company	Website	Description
Apex	EMIS Health	<a href="https://www.emishealth.com/products/apex">https://www.emishealth.com/products/apex</a>	APEX is an analytics platform designed to bring your rich clinical system data to life in a highly visual and easy-to-digest format. With the ability to support individual GP Practices through to Primary Care Networks (PCN), Federations and Integrated Care Systems (ICS), APEX allows you to better understand demand, capacity and activity, and drive quality improvements across your organisation.
Bed Management	EMIS Health	<a href="https://www.emishealth.com/products/emis-web/bed-management">https://www.emishealth.com/products/emis-web/bed-management</a>	EMIS Web Bed Management and Inpatient Workflow provides ward and bed management functionality built into the existing structures and workflows of EMIS Web. This provides a seamless, integrated solution and allows a unified workflow from referral through to discharge, as well as capacity and bed level management. The solution also enables ward managers to easily monitor status across the facility, reducing the need for manual headcount. With built-in reporting, you can easily access reports on key metrics, including admission numbers, stay length and bed occupancy.
CAMIS PAS	EMIS Health	<a href="https://www.emishealth.com/products/camis-pas">https://www.emishealth.com/products/camis-pas</a>	Tracking and managing your care is made both fast and simple with our patient administration system (PAS). CaMIS PAS brings together real-time data on outpatients, waiting lists and inpatients, and combines it with all the core components of a patient master index (PMI). Not only that, but our system also integrates with departmental software and interoperates with hospital clinical IT systems – including trust integration engines. All of this combined creates one true, centralised view of all your patient data. With the ability to access, retrieve and store a seamless flow of information that covers your entire care process, you have all the necessary tools to make more informed clinical decisions.
EMIS Mobile	EMIS Health	<a href="https://www.emishealth.com/products/emis-web/emis-mobile">https://www.emishealth.com/products/emis-web/emis-mobile</a>	Mobile version of the EMIS Web clinical system. Available on IOS and Android platforms, view and edit patients' medical records add photos to the patients' medical records, add care plans from patients' records, access supporting documents such as x-rays and test results easily edit, update and share information, access the clinical system without a data connection (offline sync), provide integrated care.
EMIS Web GP Clinical System	EMIS Health	<a href="https://www.emishealth.com/products/emis-web">https://www.emishealth.com/products/emis-web</a>	Created by clinicians, for clinicians, our market leading clinical software enables you to run your service efficiently and deliver the best possible care, with patient safety at its core. Comprehensive, flexible and powerful, EMIS Web is intuitive and easy to learn, providing secure access to all the information you need and supporting you to make the right decisions for your patients.
Enterprise Search & Reports	EMIS Health	<a href="https://www.emishealth.com/products/emis-web/enterprise-search-and-reports">https://www.emishealth.com/products/emis-web/enterprise-search-and-reports</a>	Provides the ability to interrogate the EMIS Web clinical system data across a cohort of EMIS Web practices. Useful for PCN's, federations, ICB's. Improving call and recall rates such as childhood vaccinations. For NHS Tower Hamlets this has improved uptake of MMR second dose from just over 80 per cent to almost 95 per cent. Ensuring accuracy and consistency of medical records – making sure there is a diagnosis present if medication for the disease or problem has been recorded. Gathering data to improve the quality of services and monitor patient care to assess initiatives to assess potential cardiovascular risk when used in combination with QRisk – the cardiovascular risk score developed by the University of Nottingham in partnership with EMIS Health. The entire process saves time because data is collected remotely and is available immediately, without relying on visits to practices to collect information.



# GP Clinical System Analysis (EMIS Health)

Innovation	Company	Website	Description
EPR Viewer	EMIS Health	<a href="https://www.emishealth.com/products/epr-viewer">https://www.emishealth.com/products/epr-viewer</a>	In the UK, <u>EMIS Web</u> is the most widely used clinical system in primary care. Now available to healthcare professionals across community, mental health and secondary care, it provides access to the GP records of every patient you treat. With EPR Viewer, you can view vital primary care information (including medications and allergies) for all your patients. Whether you're a consultant in A&E medicine or a mental health nurse, having access to this real-time information can significantly improve the quality, safety and effectiveness of care, as well as your efficiency and productivity. With over 50% of the UK's GP practices using one of our clinical systems, EPR Viewer gives you potential access to over 39 million patient records.
Fourteen Fish	EMIS Health	<a href="https://www.emishealth.com/products/fourteenfish-appraisal-solution">https://www.emishealth.com/products/fourteenfish-appraisal-solution</a>	Recording CPD and performing appraisals can be a drawn out process that takes up valuable time for clinicians. With FourteenFish, we're making it easier for you to record the required information for your final appraisal portfolio. By drawing together all entered information, you'll save time producing a summary document that can be shared with an appraiser to review.
Lloyd George Digitisation	EMIS Health	<a href="https://www.emishealth.com/products/lloyd-george-digitisation">https://www.emishealth.com/products/lloyd-george-digitisation</a>	Whether you want to create a new consultation room, a larger reception or waiting area, more space for staff, or just want to free up some room, we provide you with a practical way to store your archives that gives you back valuable floor space. And for those who are growing in size, it allows you to manage your expansion without the need for costly relocation. By removing paper records, you gain a streamlined and secure way to control large amounts of information – that can also support you to meet your paperless targets.
Proscript Connect	EMIS Health	<a href="https://www.emishealth.com/products/proscript-connect">https://www.emishealth.com/products/proscript-connect</a>	Designed to empower busy pharmacists to best serve their patients, ProScript Connect is our Patient Medication Record (PMR) software, used in over 5,200 pharmacies across the UK. From dispensing medications to ordering and managing stock, ProScript Connect supports community pharmacy teams to manage the day-to-day needs of their business.
Recruit	EMIS Health	<a href="https://www.emishealth.com/products/recruit">https://www.emishealth.com/products/recruit</a>	With current trials and studies compiled into one place within our easy-to-use portal, and integrated within EMIS Web, we're helping healthcare teams to save valuable time. Recruit helps reduce the administrative burden by allowing GPs to identify and connect with patients seamlessly. What's more, by taking a data driven approach to patient identification, our solution is helping to reduce bias within the recruitment process. Collaborating with research partners not only gives healthcare teams the opportunity to help advance medical knowledge and improve patient care, but it can also generate revenue. Practices receive automatic payments for all eligible patient recruitments as recompense for the time taken out of busy daily schedules. With Recruit, we're making it as efficient as possible for healthcare teams to take part in vital research without sacrificing valuable time and capacity.
Symphony	EMIS Health	<a href="https://www.emishealth.com/products/symphony">https://www.emishealth.com/products/symphony</a>	Symphony is the market leading clinical system for urgent and emergency care, supporting patient management, tracking and clinical workflow. By providing busy teams with the information they need at the point of care, Symphony enables faster, safer and more efficient working. Electronic appointment booking functionality enables the 111 service to book directly into multiple departments and the built-in GP Connect Viewer provides access to patients' complete medical history. All of these work together to flow patients quickly through the urgent care footprint, and avoid funnelling all pathways through the emergency department.

# GP Clinical System Analysis (TPP)

Innovation	Company	Website	Description
Airmid in Primary Care	TPP	<a href="https://tpp-uk.com/products/primary-care/airmid-in-primary-care/">https://tpp-uk.com/products/primary-care/airmid-in-primary-care/</a>	As SystmOne is used by upwards of 2,700 GP Practices, millions of people across the UK have the opportunity to take control of their healthcare through the Airmid app. Patients can access their full electronic health record, updating data and recording their activity. The app breaks down patient-clinician barriers through in-app bidirectional messaging, reducing the reliance on face-to-face appointments and saving time for patients and clinicians. Patients can also book or amend appointments, pre-defined by medical staff, and the app sends a reminder pre-appointment, reducing the likelihood of missed appointments.
Palliative Care	TPP	<a href="https://tpp-uk.com/products/primary-care/palliative-care/">https://tpp-uk.com/products/primary-care/palliative-care/</a>	Palliative Care is one of the most sensitive clinical settings, and it is vital that healthcare professionals are equipped to deliver the highest standard of dignified, supportive care as a patient nears the end of their life. This SystmOne Module is now deployed to over eighty palliative hospital and care units around the UK, with each unit able to tailor SystmOne to suit their organisation's needs.
Systmone	TPP	<a href="https://tpp-uk.com/products/system-wide-functionality/">https://tpp-uk.com/products/system-wide-functionality/</a>	Regardless of care setting or module combination, all SystmOne solutions include core functionality to improve the efficiency and quality of care delivery. These key components promote more connected, collaborative and well-informed care. From allowing staff to view and contribute to a patient's electronic medical record, to enabling the sharing of templates and protocols produced using the no-code clinical development kit, SystmOne's key components provide consistently flexible and accessible care solutions.
SystmOne Care Home	TPP	<a href="https://tpp-uk.com/products/primary-care/care-home/">https://tpp-uk.com/products/primary-care/care-home/</a>	TPP offers the SystmOne Care Home solution licence fee free to all care homes in the UK when procured by way of direct contract. The module, developed for specific use within the care home environment, allows for easy communication with health service providers in their area as well as allowing care homes to effectively manage residents and their information. After a care home goes live with SystmOne, they can register all residents for care at their own SystmOne unit, connecting up patient records with other care providers in the area.
SystmOne Clinic	TPP	<a href="https://tpp-uk.com/products/primary-care/clinic/">https://tpp-uk.com/products/primary-care/clinic/</a>	SystmOne Clinic is used by more than 2,700 practices across England. It helps to maximise QOF points, streamline work processes and, most importantly, allows clinicians to concentrate on patient care. SystmOne Clinic includes widespread functionality, such as; intuitive appointments, protocols, advanced clinical tools and reports for commissioning and monitoring. These features are complemented by fully integrated document management with OCR.
SystmOne Community Care	TPP	<a href="https://tpp-uk.com/products/primary-care/community-2/">https://tpp-uk.com/products/primary-care/community-2/</a>	SystmOne Community Care is configurable to allow connected care with virtually any community health setting through a shared electronic health record. With tailored care plans and patient directed goals, care is centred around individuals regardless of the size or structure of the service. This module is designed to support efficient and adaptable care to suit the varied requirements of the community and its staff.
SystmOne Child Health	TPP	<a href="https://tpp-uk.com/products/primary-care/child-health/">https://tpp-uk.com/products/primary-care/child-health/</a>	SystmOne Child Health manages every aspect of child health from birth to adulthood. Clinicians can view and add information to the electronic record, sharing this with GP practices to provide connected healthcare for children. SystmOne Child Health incorporates key functionality including flexible scheduling, new patient identifiers for babies, reporting and blood spot integration.
Tpp Mobile	TPP	<a href="https://tpp-uk.com/products/primary-care/mobile-working/">https://tpp-uk.com/products/primary-care/mobile-working/</a>	TPP's mobile working solution for Windows allows clinicians to access the data they need, wherever they are. Consistent access to full SystmOne functionality makes working more efficient through standardised and centralised workflows, ensuring information is directly entered into SystmOne first-time. Staff making home visits, particularly in areas with poor internet connectivity, benefit from uninterrupted access to patient data, while those making ward rounds or checking in on their care home residents can directly input data as they move around.

# Innovations mapped to Priorities A-Z



Yorkshire  
& Humber  
**AHSN**

# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Abtrace	Abtrace Limited									X
AccuRx	AccRx Limited					X				
ACT Assessment	Age Care Technologies						X			
Ada AI Tool	Ada Health							X		
AI-Powered Site Search	Yext						X			
Aktiaa	Aktiaa						X			
AlphaStim	The Microcurrent site						X			
AnalyseRx	First DataBank Europe Ltd				X					
AposHealth	AposHealth						X			
Arc Health	Medic Spot						X			
Be Mindful	WellMind Health						X			
BI - Cardiometabolic Data Science project	Boehringer Ingelheim			X						
Biodose	Dose Care				X					
Bleepa	Bleepa Ltd	X								
Blinx Solutions	GP Business Intelligence tool									X
BLULIGHT	Matthew Kerton	X								

Note: some of the innovations overlap within the themes above, the ones above show the primary themes they would fall under.

# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
BookYourGP	Hummingbirds Medical			X						
Bubble Medical App	Suburban Health Ltd					X				
C the signs	Unknown					X				
Calbot	Calbot			X						
Cardiosignal	Precordior-oy							X		
CareAnimations	CareAnimations						X			
Celestron Nexgo	Celestron							X		
Changing Heath	ChangingHealth						X			
CliniTouch	Spirit Digital						X			
CliniTouch Vie	Spirit Health						X			
CliniTouch Vie	Spirit Health						X			
Corpus VR	inMotion VR						X			
CSIS Medication Review Solution	CSIS Health				X					
Cupris	Cupris							X		
Cygnum for Elective Care Recovery	CACI Ltd	X								
Deprexis	Ethypharm Digital Therapies						X			
Diabetes self management	Digibete			X						

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# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Digital employee engagement programme	Green Rewards Limited T/A Team Jump	X								
Digital Health Platform	Desap Enterprises						X			
Digital i-CGA	Healthcall									X
<u>Dignio</u>	Dignio						X			
Dip.io (Remote ACR screening)	Healthy.io UK Limited			X						
DocAbode	DocAbode	X								
Docobo	Docobo						X			
Dom Care Workforce Optimisation	ProComp Ltd	X								
DoseCan	DoseSystem									X
E.R.A.S.E. Pain	LT Training Academy						X			
EasyScreen	EasyScreen					X				
ECG on Demand	Tecnomed Ld			X						
Electronic Repeat Dispensing (eRD)	Unknown					X				
E-Reception	Enhance Primary Healthcare Limited			X						
Envisage	Numed					X				
Ethel - my smart care hub	Ethelcare						X			

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# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Eyecheck System - AI clinical imaging platform	Eyecheck System AS			X						
FamGenix	FamGenix			X						
<a href="#">Feebris</a>	Feebris						X			
<a href="#">FibriCheck</a>	Fibrichex			X						
Geneo	Geneo	X								
getUBetter	getUBetter						X			
Glyconics	Glyconics			X						
GP video library	GP VIDEO LIBRARY LTD						X			
GPEP	GPEP						X			
Health Call	Health Call						X			
Health Diagnostics	Health Diagnostics			X						
Healthinote	Cognitant Group Ltd						X			
HN (previously Health Navigator)	HN (previously Health Navigator)						X			
Hedia	Hedia			X						
Hexitime	Hexitime	X								
HIRO handheld diagnostic device	Biocel Analytics							X		
Hypertension Plus	Omron						X			

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# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
In Healthcare Digital Health platform	Inhealthcare Ltd			X						
In Healthcare	InHealthcare						X			
Inhealthcare Digital Health Platform	Inhealthcare Limited		X							
Innovation Lifecycle Management	Senaryo Services Ltd	X								
Invisible Systems in Suffolk PCN	Unknown			X						
Isansys Lifecare	Isansys Ltd						X			
<u>Kardia</u>	AliveCor							X		
KiActiv	KiActiv						X			
Klinik - Improving GP triage	Klinik					X				
Lenus Digital Health Platform	Storm ID		X							
LifeGraph Network	BurstIQ			X						
Lifelight	Xim Ltd							X		
Lifelight	Xim						X			
Linus Brain Health - Point of Care evaluation	Linus Healthcare							X		
Livi	Livi					X				

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# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Low Carb Program	DDMHealth						X			
LTC and comorbidity management in primary care	Unknown		X							
Lung Health	Lung Health							X		
Medicsen - Diabetes management devices	Medicsen			X						
Medicspot Clinical Station	Medicspot			X						
Medicspot/Arc	Medicspot (T.A. Arc Health)							X		
Medwise.ai	Medwise AI Ltd			X						
Medxnote IT system	Medxnote	X								
MendelScan	Mendelian Ltd							X		
MISS (Malinko Intelligent Scheduling System)	Malinko Care	X								
My Diabetes My Way	MDMW						X			
Myasthma	MyHealth Ltd						X			
myDiabetes	myHealth Ltd						X			
My Possible Self	My possible Self						X			
Ninchat	Ninchat			X						

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# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Online Mental Health Training	Champion Health	X								
Oviva	Oviva UK Limited						X			
Oviva Diabetes Support	Oviva						X			
Pairoo	Pairoo	X								
Pathpoint eDerma	Open Medical	X								
Patient Knows Best	Patient Knows Best						X			
Perigee - UTI diagnostic aid at point of care	ODx Innovations Ltd								X	
Perioperative Coaching App	Sapien						X			
Physitrack and PhysiApp	Physitrack PLC						X			
Pinpoint	Pinpoint Data Science							X		
POC Urine	Clinical Design Ltd			X						
PR in VR	Concept Health						X			
Practice365	Iatro Partners					X				
Proactive Care @ Home for patients with Long Term Conditions	UCLP						X			
QIClearn	Quality Improvement Ltd	X								

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# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Rapid PoC test for Bacterial Proteases	Woundchek Laboratories								X	
Realwear	MPH Group	X								
Rehab Guru	RehaGuru						X			
Remote Check In	Remote Check In Ltd			X						
Remote waiting room	Attend Anywhere			X						
Rohme Recruitment of Healthcare and Medical Experts	Rohme	X								
Salaso	Salaso						X			
Second Nature	Second Nature						X			
Sensei Workforce	Dojo Development Ltd	X								
SimEPR	CodeMed	X								
Sleepio	Sleepio						X			
Sleepstation	Born Digital Health						X			
Smart Peak Flow	Smart Respiratory Products						X			
Social Rx - Virtual Link Worker	Promatica Digital							X		
SomnoMed Mandibular Advancement Device	SomnoMed UK			X						

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# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Stribe	Toot toot	X								
Teeth4Life	Teeth4Life						X			
The Fast 800	Healthlab Online						X			
Theseus	Cyber media	X								
TrackActive	TrackActive						X			
Tytocare	Tytocare Telehealth Solution						X			
Vaccine Bus	DriverNet Limited		X							
Virtual Lucy	Healthcare Business Solutions UK			X						
Virtual Ward , Remote Monitoring, Online and Video Consultation	Ouris Health			X						
Vitacam	Vitacam Ltd								X	
Voom Health	Voom Health			X						
Workforce Management Software	Binary Health Ltd T/A Hyre	X								
WorkPAL	Thirsty Horses	X								
YODHA	Latus Health	X								
youdiagnose	Youdiagnose							X		

Note: some of the innovations overlap within the themes above, the ones above show the primary themes they would fall under.

# Mapping Innovations to Priorities

Innovation	Company	Workforce innovation	Demand management	Automation in primary care	Community pharmacy	General practice	Care at home	Diagnostics	POC testing	EPR
Zenikor	Zenikor			X						
Zio Patch	iRhythm			X						
Zymego	Zymego			X						
3DLifePrints	medical 3D printing			X						

Note: some of the innovations overlap within the themes above, the ones above show the primary themes they would fall under.

# Next steps

The information within this horizon scan provides an indication of some of the technologies available within the core areas of interest. Please contact us for further details and support with:

- Providing in-depth information on the technologies included in this document, information on those innovations within the earlier pipeline phases, or additional material on other areas of focus.
- Identifying key challenges / pathways / priorities.
- Coordinating demonstrations with solution providers.

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