Experience of using Patient Generated Health Data (PGHD)

Patient Generated Health Data (PGHD)

Advantages

- ✓ Patients can contribute to their own health record.

- ✓ Information collected outside health settings are recorded

- ✓ Data can be objective like temperature, blood pressure, oxygen saturation etc.

- ✓ Subjective data such as mood, anxiety scores can be recorded.

- ✓ Big data can be useful for research and "real world evidence"

- ✓ Clinicians have more detailed and longitudinal view of patient's health

- ✓ Monitoring information such as peak flow , mood chart can help deliver proactive care

# Patient Generated Health Data

Disadvantages

- ✓ Accuracy of patient generated data

- ✓ Medicolegal implications of decisions made based on patient generated data

- ✓ Privacy issues- who can access the information

- ✓ "Tsunami "of data means useful information can get crowded out of the health record.

- ✓ Security of data and cost of storing large quantities of data securely.

- ✓ Legal requirements across different countries e.g. GDPR in Europe and HIPPA in U.S.

- ✓ Issue of data controller- in UK, GP's are the data controllers and as mostly in

  partnerships have unlimited medico-legal liability.

Concept

- ✓ **Joint project between Crown Medical Practice, County Council and Health Companion**

- ✓ **Funded by Innovate UK**

- ✓ **Two-year project**

- ✓ **Care plans for multiple long-term conditions and health and wellbeing**

- ✓ **Integration with EMIS**

- ✓ **Patient dashboards at surgery, PCN, ICB level**

- ✓ **Co-created with patients and communities**

- ✓ **Integration with EMIS completed.**

Examples of acquiring PGHD
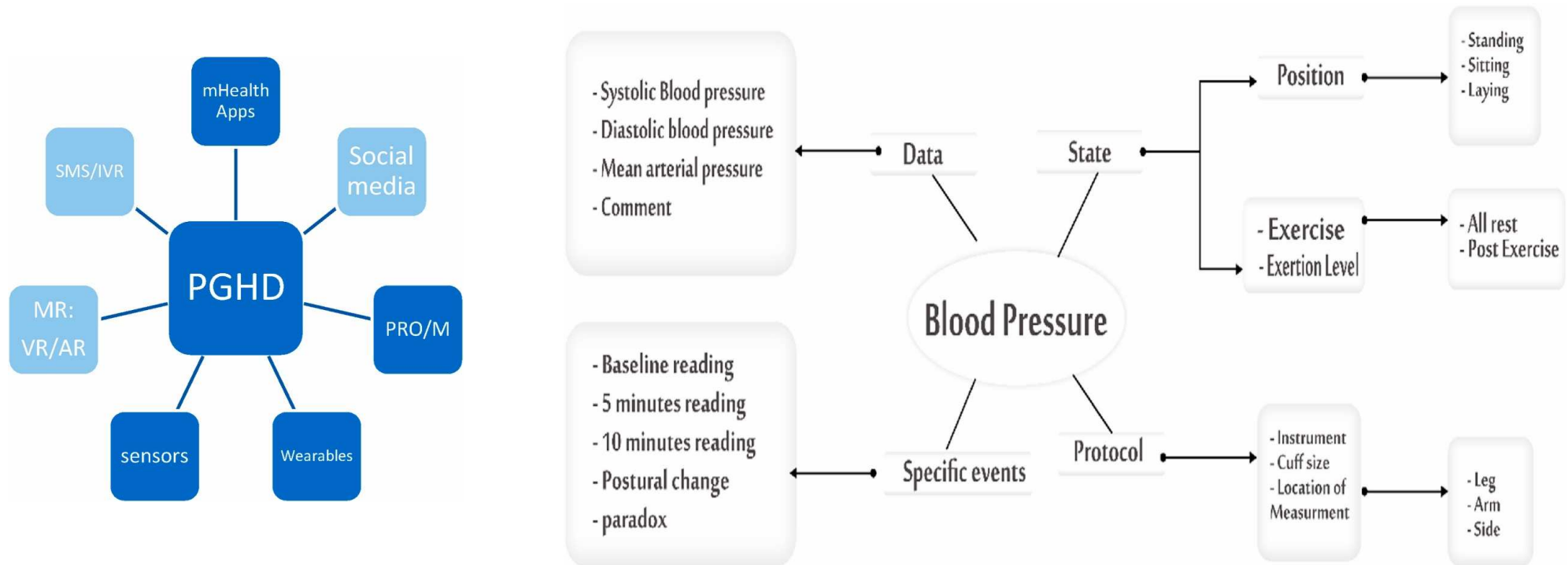
PROM- Patient Reported Outcome Measures, MR-Mixed reality, VR-Virtual Reality, IVR- Interactive Voice Response

Our History

- Health companion has worked with Crown Medical Practice and other practices in Tamworth since 2016
- Finalist in EHI awards 2017 (best app for patients and carers)
- Previous system was accredited on NHS apps Library

- Technology alone does not solve health problems
- System must work to support behaviour change models
- Co-design – we have always designed services with stakeholders which include software developers, GP's, patients and communities

Community powered co-creation in health and care
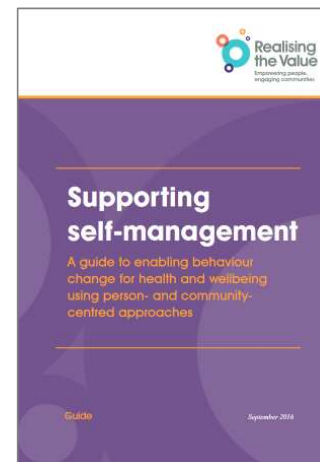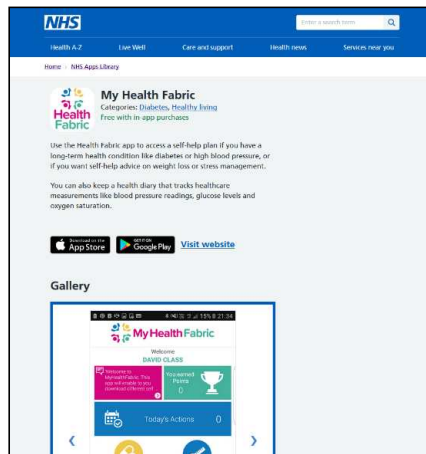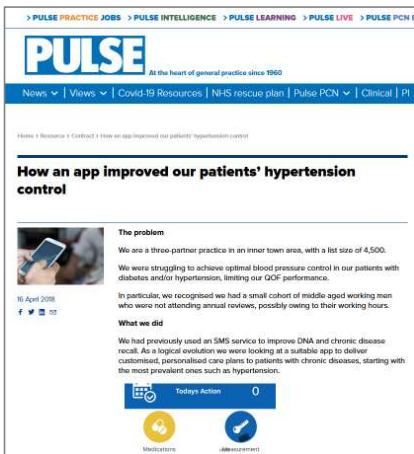
Universally accessible self care and support

UNITY

Service users across the communities, access multilingual self care plans.

Short videos in multiple languages

Service users create and leverage virtual networks of family and friends for self care support

Multi disciplinary clinicians publish their self care guidance
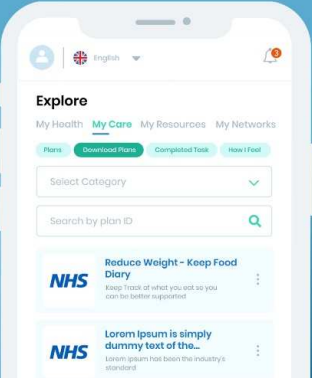
Machine learning creates personalized alerts and compliance support for the service user

Community powered co-creation in health and care
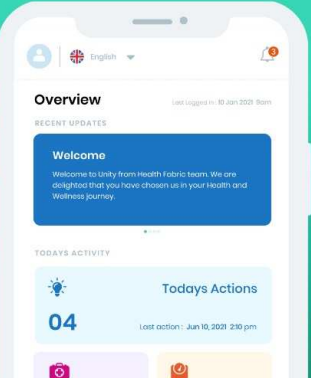
The Unity App
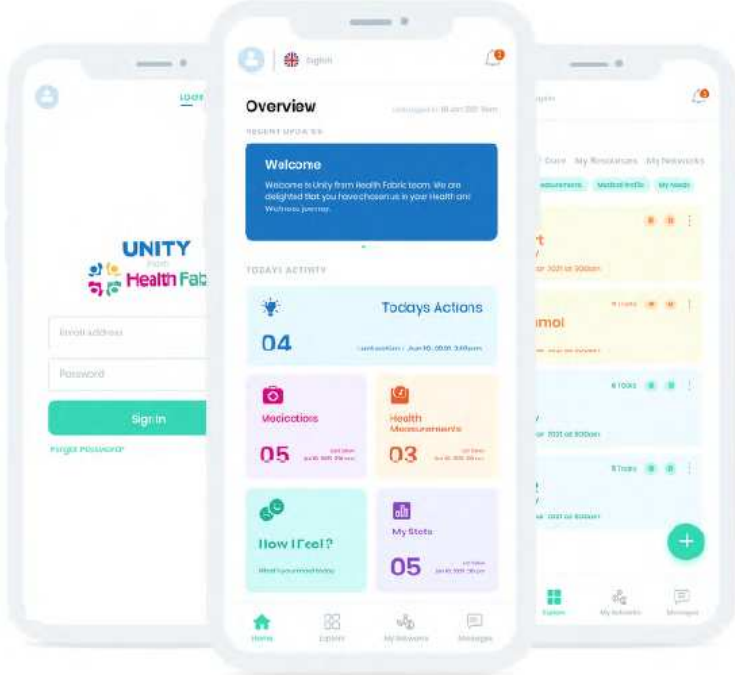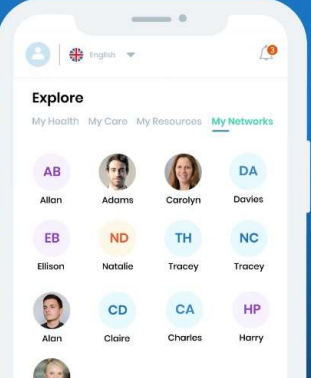
Download a self-management plan – choose from our self help library of plans which support a range of long term conditions. Health organisations create self help plans and then help monitor you remotely.

Pick your language – if you prefer to use the app in another language simply choose from the list available, and the information will be made available in the language of your choice

Get Support – Add people to your network and choose what data they see to provide you remote monitoring and support. This could be a friend, family or even a coach or clinician.

Community powered co-creation in health and care

EMIS integration

Care plans can be sent from EMIS and patient recorded data such as pulse rate, BP, saturation, blood sugar, mood can be seen in the dashboard or EMIS web
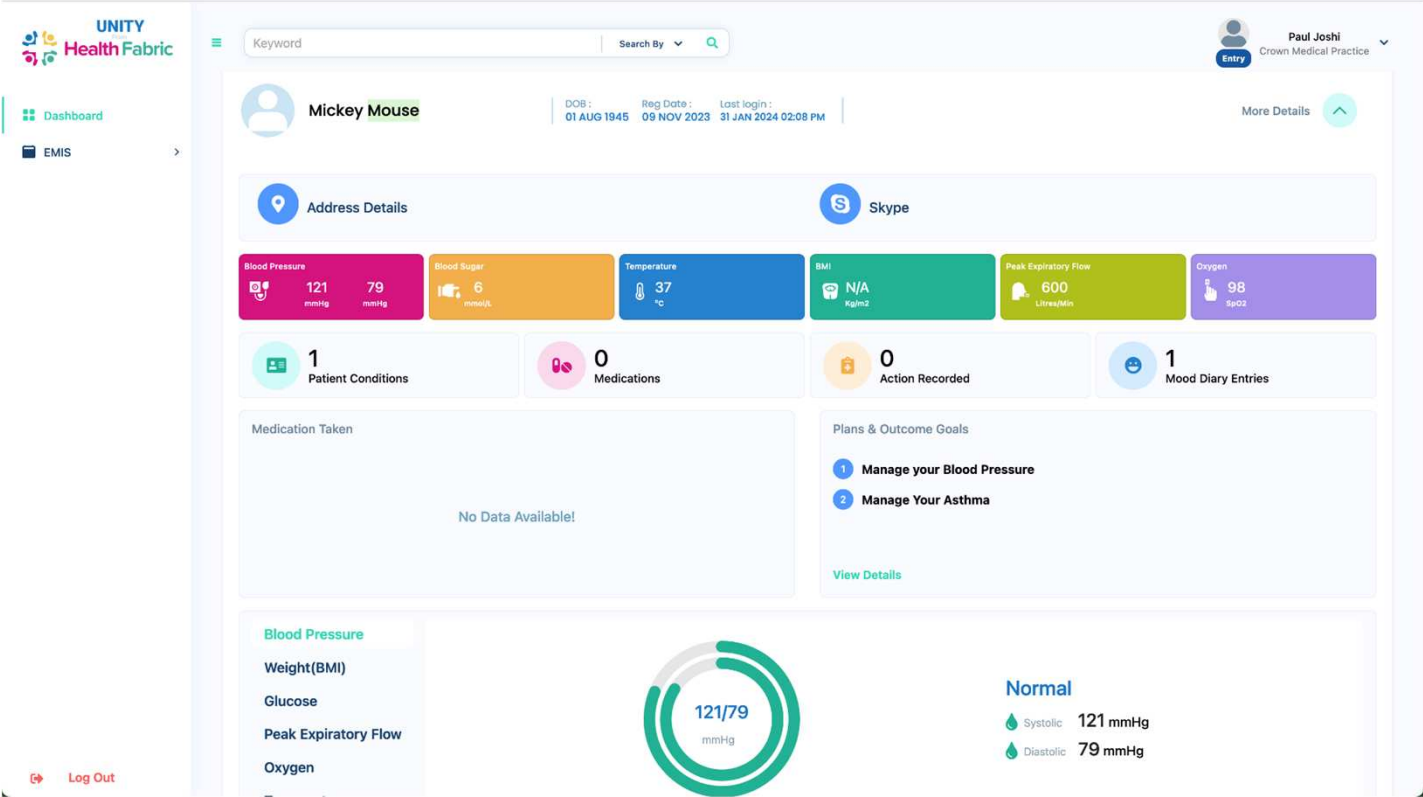
Community powered co-creation in health and care

Dashboard for proactive population management

Community powered co-creation in health and care

Multiple customizable care plans for Surgery, PCN, ICB

Community powered co-creation in health and care

All Snomed codes are available for mapping

Community powered co-creation in health and care