SUMMARY REPORT				ABM University Health Board				
Health Board				Date of Meeting: 30 <sup>th</sup> March, 2017				
						Agei	nda item : 4	1 (iv)
Report Title ABM ULHB Digital Strategy								
Prepared, ApprovedHamish Laing, Executive Medical Director, Chief Informationand Presented byOfficer					on			
Purpose								
To provide M	ember	s with	the Health	Boa	rd digital	Decision		
strategy for a					-	Approval		Х
		•			Informatio	n		
						Other		
Corporate Ob	jectives	;						
Healthier Communities	Excel Pati Outco & Experio	ent omes	Sustainable & Accessible Services		Strong tnerships	Fully Engaged & Skilled Workforce	& Skilled	
X	X	, ,	Х		X	Х	Х	
XXXXXXExecutive SummaryFurther to the requests by Board that a digital strategy be prepared for ABMU, a digital strategy for the Health Board is attached. Through the direction set by this strategy this Board intends that health, care and wellbeing activities carried out by everyone (citizens/patients, our staff and relevant partners) in our health economy will, with pace and scalability, be enabled using digital technology wherever optimal. The strategy has the triple aim of:i)Enabling, with pace and scalability, our health and care teams to use digital technology to spend more time on their core competency – working with citizens and patients to improve outcomes – not managing paper or digital processes, ii)ii)realising the efficient productivity benefits (actually doing more at the same or higher quality level with the same or fewer resources) of digital technology investments already made and to come, and iii)iii)better positioning this health economy to influence, drive and benefit from new digital technology, achieving the required ongoing cost economies.								
strategy for the this Board inter (citizens/patien and scalability, has the triple a i) Enabling technology to s patients to implied ii) realising higher quality le already made a iii) better poor digital technology	e Health nds tha ts, our s be ena im of: g, with p spend m rove out the effi evel with and to co ositioning gy, achi	Board t health taff an abled u bace an ore tin comes cient p the sa ome, an g this h eving t	I is attached. h, care and w d relevant par using digital te nd scalability, ne on their co – not managi productivity be ame or fewer r nd nealth econom	Thi vellby tners echn our re co ng p nefit resor	rough the c eing activit s) in our he ology wher health an ompetency aper or dig s (actually urces) of di	direction set ies carried of ealth econom rever optimal d care team – working w ital processe doing more gital technolo	by this stra out by ever y will, with I. The stra s to use d vith citizens s, at the sam ogy investm	ateg yon pace ateg ligita and ne o nent
strategy for the this Board inte (citizens/patien and scalability, has the triple a i) Enabling technology to s patients to implie ii) realising higher quality le already made a iii) better po digital technology	e Health nds tha ts, our s be ena im of: g, with p spend m rove out the effi evel with and to co ositioning gy, achi	Board t health taff an abled u bace an ore tin comes cient p the sa ome, an g this h eving t	I is attached. h, care and w d relevant par using digital te nd scalability, ne on their co – not managi productivity be ame or fewer r nd nealth econom	Thi vellby tners echn our re co ng p nefit resor	rough the c eing activit s) in our he ology wher health an ompetency aper or dig s (actually urces) of di	direction set ies carried of ealth econom rever optimal d care team – working w ital processe doing more gital technolo	by this stra out by ever y will, with I. The stra s to use d vith citizens s, at the sam ogy investm	ateg yon pac ateg ligita an ne c nent
strategy for the this Board inte (citizens/patien and scalability, has the triple a i) Enabling technology to s patients to implicit ii) realising higher quality le already made a iii) better po	e Health nds tha ts, our s be ena im of: g, with p spend m rove out the effi evel with and to co ositioning gy, achi endation	Board t health taff an abled u bace an ore tin comes cient p the sa ome, an g this h eving t	I is attached. h, care and w d relevant par using digital te nd scalability, ne on their co – not managi roductivity be ame or fewer r nd nealth econom he required or	Thi vellb tners chn our re co ng p nefit resou	rough the c eing activit s) in our he ology wher health an ompetency aper or dig s (actually urces) of di	direction set ies carried of ealth econom rever optimal d care team – working w ital processe doing more gital technolo	by this stra out by ever y will, with I. The stra s to use d vith citizens s, at the sam ogy investm	ateg yon pac ateg ligita and ne c nent

The Board has overall accountability for strategy but has delegated responsibility for the regular and detailed scrutiny of this area to its Strategy Committee. It will have oversight of how we will:

- utilise a Digital Portfolio Board (which will include representatives from each Delivery Unit, each Commissioning Board, Primary Care, the voluntary sector and the key partnerships outlined above) to drive a service-led, benefits-driven Destination: Digital portfolio;
- agree, implement and keep aligned prioritised work programmes comprising current and new projects, together with culture change, promotional activity, education, training, and workforce development;
- evaluate the capability and capacity of our Informatics Directorate in order to create and then implement a development plan for it; and
- determine success metrics and measure a baseline against them, manage progress and show at each review the extent to which the progress made is taking us towards becoming digitally-enabled.

#### Next Steps

Giving approval to publish this document now is important in two ways:

i) it is a vital input to the development of the organisation strategy as mandated for all Health Boards in the NHS Wales Planning Framework 2017/20 published by Welsh Government in December 2016, which will maintain this Health Board's pre-eminent position in influencing and driving the comprehensive use of digital technology in health and care in Wales in partnership with others

ii) it will make an important and timely contribution to this Health Board's recovery and sustainability programme of work. Becoming a digitally-enabled health economy is the only business change where the marginal cost of serving one more person is close to zero and where citizens/patients can access services while we are not physically present or our staff can access services wherever they are. The strategy will support management in creating capability plans for Service Delivery Unit digital delivery and pursuing quick wins (savings and improvements), consistent with this Board's longer term digital ambition.

MAIN REPORT	r	ABM University Health Board			
Health Board		Date of Meeting: 30 <sup>th</sup> March, 2017			
		Agenda item : 4 (iv)			
Subject	ABM ULHB Digital Strategy				
Prepared, Approved and Presented by	Hamish Laing, Executive Medical D	irector, Chief Information Officer			

### PURPOSE

A digital strategy for ABMU, including integration with current ARCH requirements and exploiting the opportunities of the proposed Swansea Bay City Region City Deal, has been drawn up. It is presented here for approval for publication and execution.

#### **KEY ISSUES**

Following requests by the Health Board Chairman and Board that a digital strategy be prepared for ABMU, an approach to developing a strategy was presented to the Strategy Planning and Commissioning Committee in October 2015. At that time, the need for a strategy was reinforced by an external audit report (Finding R1i of External Audit Report 562A2015 Diagnostic Review of ICT Capacity & Resources), and in November, management response to the Finding committed to an action to develop a digital strategy. In December 2015, Welsh Government published the national strategy, 'Informed health and care – A digital health and social care strategy for Wales'.

In response, the Health Board set out in its 2016/17 IMTP submission its intention to place becoming a digitally-enabled organisation at the heart of its organisation strategy. An initial series of engagement sessions to define and scope digital enablement and understand how staff and partners can help with becoming digitally-enabled were then planned, and were held between June and September 2016. During this engagement a working draft digital strategy for the Health Board was prepared and reviewed by the Executive Strategy Group and Strategy Planning and Commissioning Committee. Feedback from those reviews and subsequent engagement activities (see Appendix for details of all engagement activities) have led to this version for publication.

We wish to highlight the following key features of the document:

• it presents the strategy that that health, care and wellbeing activities carried out by everyone in our health economy will, with pace and scalability, be enabled using digital technology wherever optimal

- it explains that 'digital' is an enabler of health and care, not a patient or citizen health or care benefit, so this digital strategy is not an end in itself, but is intended to sit with other strategies to drive a portfolio of long term organisation-wide changes
- it addresses from first principles the agreement at the November 2015 meeting of the Strategy Planning and Commissioning Committee that the voice of the citizen needed to be strong, through the use of a unique model for a new health and care system. This model has framed and focused our thinking around the citizen/patient having active involvement, with our support to do so, and assessment, care or treatment and coaching whenever needed, and this is reflected in the way we have set out guidance on moving from strategy to execution
- success hinges on sparking and fanning the societal shift required to engage citizen/patients in their own health and wellbeing in a way and to an extent not attempted before, and the cultural shift required to engage our staff to deliver in a digitally-enabled organisation. However, every part of Government and every organisation on which we depend recognises these requirements, and the need to support delivering them whilst we maintain normal operations
- it has the triple aim of:
  - enabling, with pace and scalability, our health and care teams to use digital technology to spend more time on their core competency – working with citizens and patients to improve outcomes – not managing paper or digital processes
  - ii) realising the efficient productivity benefits (actually doing more at the same or higher quality level with the same or fewer resources) of digital technology investments already made and to come
  - iii) better positioning this health economy to influence, drive and benefit from new digital technology, achieving the required ongoing cost economies.

The background to this last point is the acknowledgement that the environment of strategy is uncertain and fundamentally unpredictable, and so strategy should seek to shape and adapt to events, not predict them, and will be revised as circumstances change. Therefore, unlike our organisation strategy which will cover ten years, this digital strategy does not pre-suppose what the digital landscape will be a decade from now, but will prepare us for the use of technology that is at a formative stage today.

#### RECOMMENDATION

Board is asked to approve the digital strategy.

## **APPENDIX - ENGAGEMENT**

A multi-modal approach was taken to consultation carried out to inform the preparation of this strategy:

#### **OBJECTIVES OF CONSULTATION:** STAKEHOLDERS: **METHODS:** To seek input into accelerating the Health Board Executive and staff Literature review • adoption of digital ways of working as the • Swansea University >50 documents • basis for a digital strategy • Local authorities Crowdsourcing (C4B event) To explore the types of initiatives that Welsh Government 240 attendees • • would be important to the various • NW/IS >150 unique suggestions stakeholders Healthcare technology suppliers Focus groups • To gain insight into priorities, inter-• 7 topics dependencies, and opportunities for co-Internal (health economy) presentations design and co-delivery of digital initiatives >40 attendees To identify challenges and opportunities • External advisory groups 1 review round (RCP)

#### Three key themes emerged from the current state assessment:

#### Design strategically, deploy tactically

- Significant concerns exist about moving services to a digital way of working without adequately addressing the endto-end people, process and technology concerns - an effective business change and training programme must accompany the technology deployment and be sustained with support in real time until bedded in (invest at least as much in business change as in the technology)
- The benefits of digital are perceived as self-evident. Uncertainty exists, however, regarding digital translating into the significant benefit expected and needed
- There is a need for revenue funding as well as capital to kick-start and underpin the new ways of working until each change generates savings
- Other sectors eg. social care do not have funds or resources to support improvements

Empowered employees support empowered citizens/patients

- Employees receiving high-quality devices for mobilisation feel valued
- Frontline employees want to embrace digital technology, however they feel constrained with the lack of resources in people to free up time to commit to the change required
- Need an acculturation journey to prepare the organisation for digital
- Most of the organisation is perceived to be at level 1 (lowest) of 5 on the European Digital Capability Framework
- ABMU Health Board digital maturity selfassessment baseline is relatively low on digital capabilities (many not in place), and higher on readiness and underlying infrastructure

Good governance = reduced risk and strategy achievement

- Need a robust strategy execution process to create the digital services portfolio and plans for delivery in alignment with the organisation (and ARCH) strategy
- Need an effective benefits realisation management process to drive expected impact and benefits
- Need a comprehensive communications approach and sufficient resource to support DESTINATION: DIGITAL as a vehicle to mobilise through the delivery life
- Need an obsession with the user and intuitive (to reduce training cost and increase safety), user-centred design to make clinicians' jobs, or patient interaction, easier in order to ensure adoption
- Need strong data governance and security to prevent issues that could derail progress

The European Digital Capability Framework has been used in some of the focus groups and presentations to gather consensus views of the Health Board's level of maturity. The framework is:

Maturity	Description
5	Digital is at the heart of policy and strategy. Services are digital by default. Digital culture is strong: agile, user-centred, innovative, responsive.
4	Senior management have made significant progress in delivering the vision and plan, implementing new capability and trialling it successfully by re-engineering a range of services to be digital by default.
3	Senior management in place with a remit to set targets, develop over- arching vision and plan, and develop necessary capability and culture. Digital is seen as a key transformation and advocacy is strong at key parts of the organisation.
2	Some digital services, but often of limited quality. Digital teams in place but tend to be siloed in business units or service/programme teams and have limited budget and remit. Senior (board level) digital management not in place.
1	No awareness of digital capability, no resources allocated, no digital strategy, plan or metrics, no understanding of best practice, no digital services.

Responses provided so far show that most people in the organisation are represented by the descriptions in the lowest two levels of maturity. A relatively small number of people, principally due to the nature of their roles, and the commencement of work on this strategy, are at maturity level 3. Many digital services have been, or continue to be, delivered, but digital is not yet currently seen widely as a key transformation.

Overviews of the final draft of the strategy have been presented to colleagues in Welsh Government, Western Bay Partnership, Public Service Board organisations, Public Health Wales, Hywel Dda Health Board, ABMU Delivery Units, ARCH, and to the ABMU Stakeholder and Disability Reference Groups and commercial partners. All have been supportive of the strategy, and their suggestions were incorporated and amendments made at final review.

The strategy has been aligned with the vision set out in Welsh Government's 'Informed Health and Care' as shown in the following table, and both the digital and other requirements set out in the Welsh Government document and the three key themes information from the current state assessment shown above will be taken into consideration in the work currently underway on developing ABMU's organisation strategy.

#### Informed Health and Care - Vision

Information for you				
Digital Requirements	Aligned?			
People will look after their own wellbeing as active participants	>			
Communicate with health and care more effectively	~			
Online access to information and their own records	~			
Undertake transactions directly using technology	~			
Add to their information and records	~			
Use digital tools and apps to support self-care, health and long				
term condition monitoring and maintain or support for others				
independent living	~			
Have assistive living, social interaction, mental health				
stimulations delivered digitally	~			

Supporting professionals				
Digital Requirements				
Health and care teams will:				
use digital tools - email, internet, video conferencing etc	<			
have improved access to information	>			
support and coach, and collaborate with citizens in a co-				
production approach	~			
be able to do their jobs more effectively - online decision-				
support, automated ways of working to improve quality and				
safety and reduce risk	~			
capture information electronically at the point of care	>			
use data and information to understand the outcomes they are				
achieving, to support research and carry out audit, learn and				
drive performance improvement	~			
adopt a digital first approach to new services	~			
be skilled to work well in a digitally-enabled organisation	~			
use an all-Wales solid platform with comon standards and				
interoperability to access to records in all care settings to join up				
and coordinate care	~			

Improvement and innovation				
Digital Requirements	Aligned?			
Better use of national data and local information to improve				
decision-making, plan service change, drive improvement in				
quality and performance, and support population health and				
research and development	~			
Collaboration, opening up the platform to allow greater				
flexibility and agility in developing new services and apps	~			
Engage with stakeholders in co-designing our digital future,				
learning about and adopting better practice from elsewhere	~			
NHS and local authorities to use population-level data and				
information to jointly plan services, make informed decisions,				
achieve best value, benchmark outcomes and performance,				
learn from others and drive improvements	~			
Create a Wales-wide service intelligence capacity and capability				
spanning health and care	~			
Be ready and proactive in deploying platforms and a service				
intelligence approach to storing, processing and exploiting big				
data to develop an informed system	~			
Develop the concept of a more formal way of collaborating				
through a digital health network or health ecosystem to				
accelerate development and deployment of apps and services				
that are easy to use	~			
Drive access to and adoption of future technologies and				
innovation through innovation labs	~			





# DYFODOL: DIGIDOL DESTINATION: DIGITAL

# **Our Digital Strategy**



## Contents

Foreword2

Part 1: Strategy	3
What is 'digital'?	4
Why we need a digital strategy	7
Our digital strategy	10

Part 2: Action
From strategy to action14
For Citizens/Patients16
For Health and Care Teams20
Considerations for the design of the system 24
Considerations for the Health Board28
How the strategy will be

#### Foreword

Welcome to the first digital strategy for this Health Board.

This document is especially for you if you are a citizen in our Health Board area, a patient with us, or an employee of our organisation or of any organisation with which we work.

Digital is a way for all of us to get jobs done that will help address the many challenges in health, care and wellbeing that we all face.

In the following pages, we hope to inspire you about the benefits that digital healthcare can bring you.

We also hope that you will be encouraged to make the most of the opportunities that digital offers.

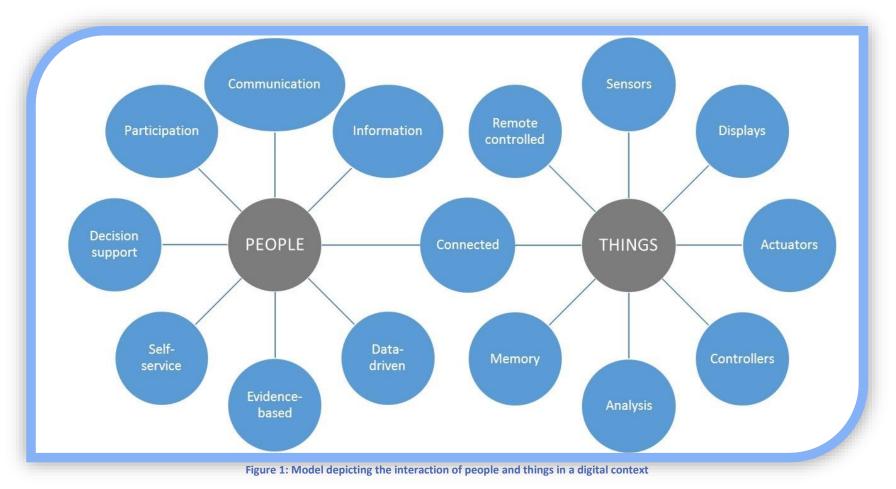
We have produced this strategy now because we believe the time is right to be able to take the actions needed to make it a reality.

Looking forward to seeing you on the journey to Destination: Digital.

Part 1: Strategy

#### What is 'digital'?

Digital is about the means by which we all interact with each other and with everything around us, as shown in the model below. In healthcare, using digital technology, citizens and patients will be able to receive and share information online about their health and wellbeing, communicate by audio, video, secure email and messaging, and participate in peer-to-peer support groups, in trials, and in health and care decision-making with their clinicians. Health and care teams will use digital technology to become more data-driven and evidence-based, with a robust and ever-expanding decision-support capability.



At the same time, almost everything we can think of will be made digitally-interactive, with sensors, displays, moving parts and controls, onboard analysis and memory, and the ability for remote control. Most important, they will be connected to us, either attached or implanted for a specific purpose or more casually wearable, and able to transmit to central units for storage of data or further analysis possibly in real time e.g. to provide targeted advice, or to raise an alert about an urgent need or situation.

Management of our health and wellbeing is ideally suited to being served, and likely is only able to be supported sustainably, with digital technology. Digital technology can provide the capability for professionals to serve citizens and citizens to support themselves at times and in places which are more convenient for them and their families or carers.

To become a digitally-enabled organisation we will all need to adopt new health and care digital-related behaviours, in terms of the way we do things, and in terms of those with whom we work or interact. People's different life experiences with digital (our collective cognitive diversity) are vital to us helping each other to achieve the new health and care system that digital technology enables.

The use of digital technology spans a continuum from being a substitute for paper-based information to being an agent for valuable new services not possible by any other means. Digital technology is poor at just replicating the use of paper in a previously manual process. It can even increase non-value-adding processing time.

However, once information on paper needs to be comparable

customisable editable organisable remotely accessible reproducible researchable searchable shareable standardisable storable

transportable, a digital alternative starts to create

value. Blend digital technology ingredients and use digital technology to manipulate immense data repositories and large real-time data flows predictively and prescriptively, and achieve interoperability between digital systems and digital connectivity between people, and entirely new

#### health and care capabilities emerge:

+

+

+

+

+

#### BLEND DIGITAL TECHNOLOGY INGREDIENTS: GET NEW HEALTH AND CARE CAPABILITIES: Citizen/patient engagement Information . • Healthy living, patient record, wayfinding maps, images, • Self-service, self-help exercise/nutrition/control test results, prescriptions, item location/status, vital signs programmes, self-management of self-limiting conditions, more meaningful participation in health and care Communication • Messages, interactive video, telecommunications, secure Proactive health, care and wellbeing . • Risk stratification by community, targeted advice, patient email, dictation Entertainment monitoring in real time, future state prediction During care as an aid to recovery (using our own devices Coordinated care 0 . • View information at any time, transact remotely in real connected to free public WiFi) Workflow time, collaborate on care planning and scheduling • Clinical and business process documentation chain -. Systematic care asynchronous telemedicine, diagnostic and treatment o Clinical information decision support, knowledge record keeping, prescribing, bed and medicines management tools, standardised workflows, automation management, rostering . Specialist access • Virtual clinics, professional-to-professional consultation Intelligence • Needed to run the organisation Resource management • Manage patient flow, match capacity to demand, push then Analytics Needed to learn, adapt and improve pull, connect mobile community workers, organise action Device agnosticism, (un)structured data capture/aggregation, Improvement and innovation . interoperability, connectivity, security, apps and bots o Continually learning organisations, better research and trials approaches, increasingly individualised medicine

Figure 2: Blend digital technology components on the left hand side to get new health and care capabilities on the right hand side

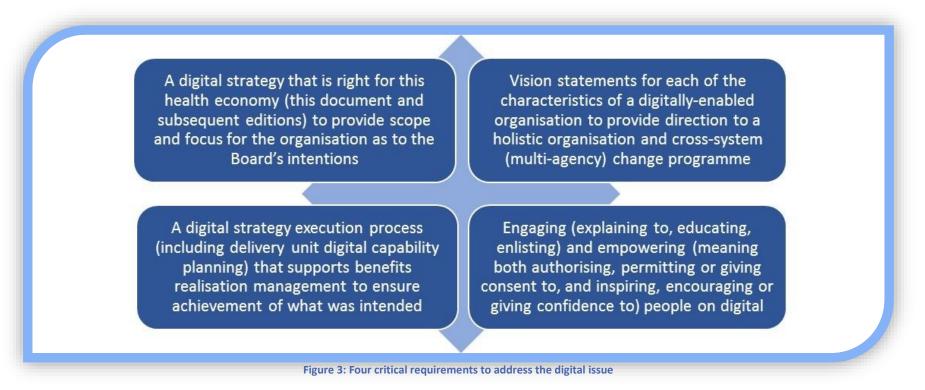
#### Why we need a digital strategy

There is a real and complex strategic issue that we face with digital, the nature of which may be summarised as:

- The comprehensive application of digital technology to healthcare is relatively new as prospective components are evolving rapidly. More collaboration, research, development and integration are needed over time to influence, drive and benefit from a digitallyenabled health and care system and future digital technologies, with significant regional economic development potential as a result
- Much has been achieved by our Health Board in conjunction with Welsh Government and the NHS Wales Informatics Service in deploying digital services so far, but there are limited resources to execute a digital strategy alongside other priorities
- The current approach is programme- and project-based, not holistic or strategic, and often opportunistic. The strategy must be executed as part of an organisation change programme
- Digital access (to the internet and possession of the basic skills to use it) and participation levels are varied, both between urban and rural areas, and within urban areas, for a variety of reasons including age, ability, outlook and inequity eg. in network coverage, discretionary disposable income and/or education level
- There are many 'pockets of enthusiasm' for digital in the Health Board, and some exemplars that outstrip the Health Board's ability to fully exploit at this stage, but also many areas of limited engagement and implementations not sufficiently driven by or designed with the service users to achieve intended adoption and utilisation levels
- There is little visibility, and therefore understanding, of what becoming a digitally-enabled organisation entails or how and to what extent digital technology can address the challenges the organisation faces
- Public sector budget constraints and the current financial position of the Health Board impede cross-sector digital initiatives, acquisition of digital talent, front line time to participate in digital design, configuration and testing, and taking a longer term view in favour of short term imperatives.

We will examine some of these in more detail in the sections on considerations for the system and the Health Board in executing the strategy.

Assessment of the issue that we face with digital has identified four requirements as critical:



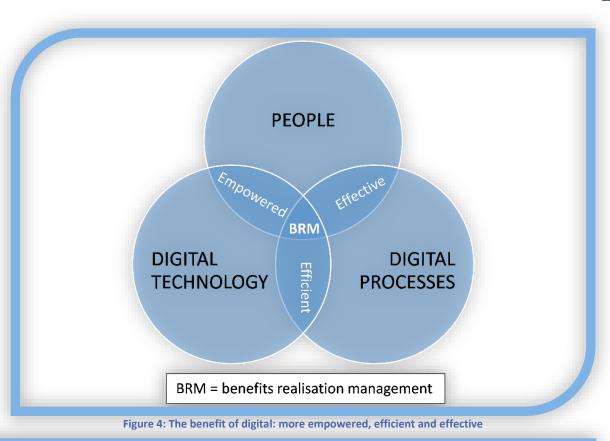
These four requirements are related: a strategy only has value with its counterpart, execution; the two together enabling the delivery of intended results through a realisation methodology. Achievement of the aims of an effectively formulated strategy depends wholly on the quality of the strategy execution process and the excellence of the operational activity in support of the strategy. At the core of effective strategy execution management is the creation of a performance culture that engages people to lead, develop and operate with intent to achieve.

Digital is a means to an end, an enabler of improved health and care. Digital is not a patient or citizen health or care benefit, so a digital strategy is not an end in itself. A digital strategy is intended to fit with other strategies, supporting the organisation strategy, and guiding a portfolio of long term organisation-wide changes.

The contention that is shaping a digital strategy that will support our organisation strategy is that once the organisation is digitally-enabled, it will be more empowered, efficient and effective in realising the benefits intended from implementing the new health and care system, as

shown in the diagram on the right. People with access to digital technology are more empowered, people following digital processes are more effective, and digital processes powered by digital technology are more efficient.

Our digital strategy also reflects our belief that, based on work already achieved in our health economy and by learning from others, it is possible to leapfrog some phases towards the advanced position that the organisations that have pioneered the digital health and care system globally have taken over 20 years to achieve. Some key characteristics of a digital health and care system are listed in the table below.



#### **KEY CHARACTERISTICS OF A DIGITAL HEALTH AND CARE SYSTEM**

Increased participation by citizens in their health and wellbeing, more types of virtual (remote) care, reduced non-attendance

More effective frailty and mental health self-care, long term condition self-management, and remote/rural service delivery

Improved care coordination, reduced variation, waste and harm, and safer handovers between health and care professionals

Improved point of care decision support (real-world real-time data and evidence) and management of acutely ill or deteriorating patients

Accurate, agile analysis of population health data at community level for service commissioning and research

'Run the system' process and performance intelligence, and 'improve the system' analysis and innovation

Figure 5: Key characteristics of a digital health and care system

## **OUR DIGITAL STRATEGY**

Our digital strategy has the following three components:

A strategy statement - The high level objective of the strategy - A vision for five years' time

These three components are defined as follows:

The strategy statement is a brief sentence that summarises how we intend to respond to the strategic issue that we face with digital, and should be straightforward to remember and recall to help guide our day-to-day actions in accordance with our purpose, mission and values.

The high level objective of the strategy explains what this response is intended to deliver. In executing the strategy, we expect to keep asking the question "Which objective will achieve that objective?" in order to create actionable digital capability plans for each of us.

The vision is presented in the form of a digital maturity chart. For many reasons, there is a wide disparity in our current use of digital technology across our health economy. Some of our staff have no access to digital technology in the work they do for us, but are highly proficient with digital outside work. Our use of some of the more recently mainstream digital technology capabilities such as smart and mobile is limited even though we will soon be the first Health Board in Wales to provide free public Wi-Fi in all our hospitals. Therefore, we have sought to show from a strongest and weakest perspective where we are now and where we need to get to. Our vision is deliberately limited to five years in recognition that we should not pre-suppose what the digital landscape will be a decade from now, and therefore to emphasise the need to act now on delivering digital, and on improving our ability to influence, drive and benefit from new digital technology that is in the early stages of development now.

Our strategy statement is:

Health, care and wellbeing activities carried out by everyone in our health economy will, with pace and scalability, be enabled using digital technology wherever optimal

The triple aim of our strategy is to:



i) enable, with pace and scalability, our health and care teams to use digital technology to spend more time on their core competency – working with citizens and patients to improve outcomes – not managing paper or digital processes



ii) realise the 'efficient productivity'\* benefits of digital technology investments already made and to come

\*actually doing more at the same or higher quality level with the same or fewer resources



iii) better position this health economy to influence, drive and benefit from new digital technology, achieving the required ongoing cost economies and unleashing the economic development (gross value added) potential of the investment **Our vision for five years' time** is a transformed digital maturity level for this health economy. The following chart plots the likely respective journeys required of the currently weakest (red lines) and strongest (green lines) components of each of the organisational elements listed.

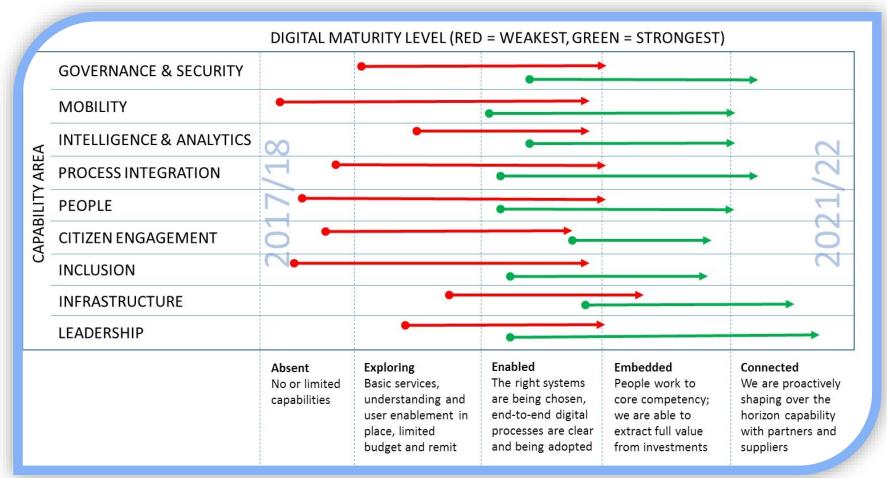


Figure 5: ABMU digital maturity - the left hand end of each line is the current position; the right hand end is the desired position

Our intention is two-fold. In five years, we intend all capability areas to have reached at least the 'Enabled' stage. In five years, we also intend to have established an ability to influence, drive and benefit from new digital technology by coherently developing the strongest components of our leadership, process integration, infrastructure and governance and security capabilities.

Part 2: Action

#### From strategy to action

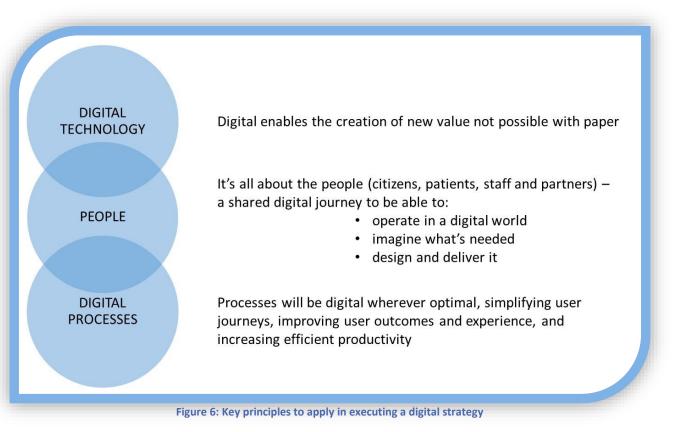
Achievement of the aims of an effectively formulated strategy depends wholly on the quality of the strategy execution process and the excellence of the operational activity in support of the strategy. At the core of effective strategy execution management is the creation of a storyline to the future and a performance culture that engages people to lead, develop and operate with intent to achieve.

#### **Principles**

With regard to this digital strategy, for execution of it to contribute effectively to achievement of the organisation strategy, there are some principles specific to becoming and being a digitally-enabled organisation that need to be incorporated in this unified approach. The diagram

on the right lists three principles to be applied in using digital to support achievement of the Board's organisation strategy. It will be important to invest at least as much resources (time, quality of effort, and money) into the 'soft' aspects of:

- user-centred design solving the problems of those who will use the digital technology
- achieving a digitally-enabled culture
- process innovation rigorously and consistently applying a methodical approach to innovating the replacement of existing processes and tools with digital ones



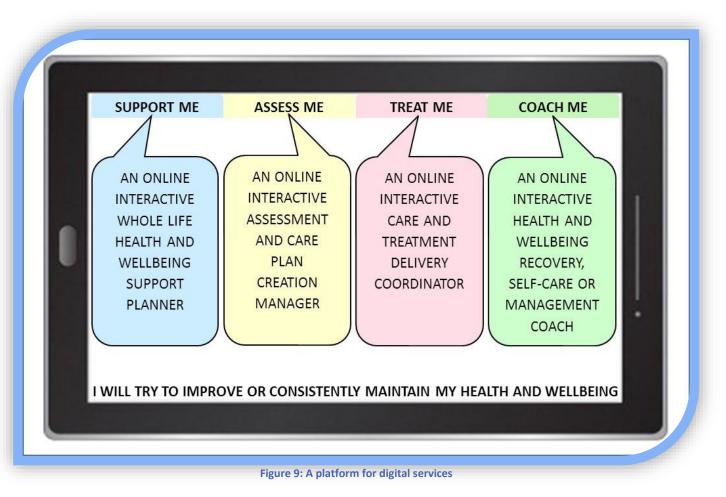
as into the technology itself, implementation, system interoperability, and governance and security of the data involved.

To show how the principles might be used to guide action to execute the digital strategy, in the following pages the Board has set out what the outcome of a digital strategy delivered following those principles might look like. Our reference point was a unique health and wellbeing system model, in which our citizens will try to improve or consistently maintain their health and wellbeing with our support to do so, and assessment, care or treatment and coaching whenever needed. Guided by that model, we created digital user journeys intended to achieve

our organisation strategy and arranged them in four groups, to be accessed on any device:

- SUPPORT ME an online interactive whole life health and wellbeing support planner
- ASSESS ME an online interactive assessment and care plan creation manager
- TREAT ME an online interactive care and treatment delivery coordinator
- COACH ME an online interactive recovery, self-care or management coach

Some of the services are currently available but not consistently or comprehensively deployed,



adopted and utilised in our health economy. Others are in development and expected to be deployed by NHS Wales organisations or their partners, or expected to be brought into public use by other organisations, in the next five years. In the next section, the digital user journeys in each group that **Citizens/Patients** will be able to undertake are described. The subsequent section shows the implications of these services for **Health and Care Teams**, together with digital user journeys that help those teams to do their work.

Support Me makes it simple for citizens to become actively involved in their health and wellbeing. A suite of purpose-designed tools, apps and bots increase health literacy and capability, and extend integrated care to a population health approach with targeted interventions:

SUPPORT ME	ASSESS ME	TREAT ME		COACH ME
I can view the record of my medical history, update my personal details, lifestyle choices and how I wish to be cared for in the future, and maintain a personal health journal	With live assistance if needed, I am able to build my own self-help programme for physical and mental exercise, nutrition, and condition and medicine management, with reminders to keep me on track and rewards for success		There is a library of accredited health information and updates on public health that I can read and understand in order to be better informed about risks, conditions and care or treatment options	
There are activities that help me to learn about avoiding avoidable harms and positive steps to take to keep myself and my family healthy	wearable or insta attached to or im monitor progress help programme	evices that are lled around us, or planted in us, can s against our self- e and add to our s needed	pi accorc currer	and wellbeing support is rovided proactively in lance with my history and nt status, or I can get help ime I feel unwell and am unsure what to do
My history and state of health and wellbeing are compared with that of other people to provide specific information about my risk of health issues and what I can do to optimise my health over my whole life span	information for s management tha more confidenc support to live a	s, activities and self-care and self- t help me to have e, capability and fuller life with my condition(s)	pla opportu reduce	munity resources guide to aces, groups, activities, unities, events and services es my social isolation and ates peer support contact

Assess Me is the one-stop shop for all assessment requirements. It is as relevant to citizens attending a GP consultation as to patients who need assistive living services provided to enable them to return home, or to prevent them having to go into hospital or care in the first place:

SUPPORT ME	ASSESS ME	TREAT ME	COACH ME	
I can choose with whom I s	share The screening	guides me through	The outcome of the assessment is	
the record of my medical h	istory, booking an ap	pointment with the	added to my record and discussed	
lifestyle choices and how I	would right person v	vhen it's necessary,	with me so that I understand	
like to be cared for in the f	uture with reminder	rs in a format I can	risks, conditions, care or	
	choose, and the	e ability to postpone	treatment options, and next	
	or cancel so so	meone else can use	steps, and we agree and put in	
	the appo	pintment slot	place a care plan	
I can complete self-assess	ment As needed or at	my convenience, the	Information relating to next steps	
and pre-visit screening	is assessment car	h be at a clinic or the	is provided, including waiting	
available, in order to help ic	dentify assessor can vis	it where I am, or will	times for treatment and	
any condition I have that is	s self- be, living, or it	can be audio-visual	experience measures at	
limiting, so that I can acti	ively during which	ch I can transmit	treatment centres in my area, and	
resolve it myself	photographs or	other information to	outcome measures for treatments	
	aid the	assessment	relevant to my condition/status	
I may proactively be invited	d to a I can receive	e updates as the	In an emergency or following an	
health and wellbeing assess	sment assessment a	and care planning	accident you can access my record	
based on my history and cu	urrent process p	rogresses, and	if I am unable to choose to share	
status or on an anomaly in	data communicate	with the health and	it with you	
sent from a device or report	ted by care team via	secure email and		
me	messaging as w	ell as phone or face-		
	t	to-face		

Treat Me underpins the use of joined-up health and care treatment plans and care coordination centres for the purpose of delivering more types of treatment outside hospital, enabling hospitals to focus on emergency and acute treatment:

SUPPORT ME	ASSESS ME	TREAT ME		COACH ME	
My relevant medical history, latest clinical statistics, lifestyle choices and how I wish to be cared for are curated for each point of care for a smooth process, a positive experience and the best outcome	e convalescence a there is free public use my device to entertainment, family and frie	During my treatment and convalescence away from home, there is free public wi-fi so that I may use my device to view my choice of entertainment, or connect with family and friends as an aid to recuperation		If my health status is now lower, I can co-create a long term condition or palliative plan to better prepare me to return to and stay at home, and maintain my self-reliance or have help	
I am able to view my care plan which meets clinical and humanitarian standards for m circumstances, and amend bookings if essential	collection or information on th care plan to un better prepared to	prescription for delivery, get ne next steps in my derstand and be o play my part, and als while in care	My care plan is available to everyone in real time in order help them prepare so that th care process is smooth and effective, and I can report on r experience and outcome		
If I am self-reliant, self-check ir way-finder, and information an consent tools are available to he expedite the care or treatmen process	d enablement plan lp related need management, nu follow-up app reablement tools	my discharge-to- for my condition- ds, medicines rse and care visits, ointments and that will me regain health status	assisti imple body ir integ	ng assessment, any digital ve living needs I have are emented by the relevant a collaboration with me, to rate with any of my own e management equipment	

Coach Me is intended to support people's potential to self-manage their recovery or adjustment or to change their behaviours, or to increase their confidence in their ability to do so. Likewise it is intended to improve the self-efficacy of a person caring for someone:

SUPPORT ME	ASSESS ME	TREAT ME		COACH ME	
My record of my medical and lifestyle choices helps any coaching I or my carer order to help me to recove adjust to my new health	inform my condition need in discharge prog er or to the numb status appointments reduce my	I am actively participating in running my condition-customised post- discharge programme to minimise the number of follow up appointments I need to attend and reduce my risk of needing readmission		I can learn how to use digital technology to increase my self- reliance or seek support, and my GP can prescribe internet connection and equipment if I need it to support me	
I can access self-help infor sources in order to aid recovery or adjust to my health status and revise m help programme in my hea wellbeing planner	my access to nurse new tailored advi ny self- support to help	none or audio-visual -led health coaching, ice and emotional me recover or adjust w health status	A unified assistive living process covering case management, telehealth and health coaching helps me to understand my entitlement to and get and use the right services as my health status changes		
There are devices an applications that can help mobilise from bed to day r outdoors and with coachin confidence to use them ro in future	me re- medicine and a oom to my responsibili g I gain my medicine pr outinely assistance for my self-help pro	peat dispensing of am reminded about ity for ensuring that ovides the maximum my condition, which ogramme can support o discharge	and t	adily take part in research rials, and provide timely or feedback for my future benefit	

Support Me is about the citizen/patient having the right information at the right time to increase their knowledge and understanding of their health matters, and the right tools at the right time to enable them to take action for their own, or their family's benefit:

SUPPORT ME	ASSESS ME	TREAT ME		COACH ME
Public Health Wales commissions this national system for health and wellbeing and runs the campaign for its adoption and utilisation by citizens	assists people to b help programme mental exercise condition a	build their own self- in Wales have a single window' in this planner		alth and care organisations /ales have a single 'shop w' in this planner in which ent accredited information to citizens
The Red Book online is part of this planner and we register citizens at birth or on first contact with health and care, and promote planner use	individual's mea status, lifestyle he/she wishes to future at any time	he record of the dical history and choices and how be cared for in the e once he/she has are it with us	multi-d desig v	n pool resources and form isciplinary teams to help in ning and developing this vellbeing planner for /patients and their carers
Welsh population health information is segmented for health status, need and priority by community to provide specific information about the risk of health issues for individuals in this planner	and manage new and wellbeing sup provide responsi 24/7 health and s	ner we can initiate / proactive health port services and ve services e.g. a social care hub (or phone)	local pi sector t in	Health Wales works with ublic services and the third to enhance and standardise formation, advice and assistance provision

Assess Me covers all assessment activities across general practice, hospitals, community, nursing home and social care, and mental health and learning disabilities, involving investigation, diagnosis, suggested treatment options and communication during assessment processes:

SUPPORT ME	SUPPORT ME		TREAT ME		COACH ME	
Clinicians have access to		Point-of-care testing uses advanced		Clinician letters, and referrals and		
information and e-library services		devices with digital upload		records transfer including cross-		
for the best up to da	te	integration with the health record		border are electronic, reducing		
information to facilitate di	agnosis	reducing assessment recording steps		process time and errors through		
		and increasing citizen/patient		process integration and		
		throu	ghput	automated process completion		
Primary care staff view ci	itizen/	Clinicians use electronic test		Information is provided to me via		
patients' pre-visit screening		requesting, secure store and forward		a performance dashboard,		
information to ensure they see		technologies, asynchronous		including outcome comparisons		
the right clinician for their needs		telemedicine for image and test		with my peers and experience, to		
		result reviews, and professional-		support appraisal and		
		professional teleh	ealth consultation	nsultation improvement		
Newsersting				Distal	and the base of the second	
	New proactive assessment		ne assessment	nessa <del>n</del> tesedarte	collaborative community	
services emerge from combining		outcome to the person's record and		assessment protocols for Primary		
community level analy	N MARCONA	discuss risks, conditions, care or		Care, District and Community		
medical history, current	Consolition factoria	THE REPORT OF CALL PROPAGE AND A PROPERTY OF THE	and next steps in	Nurses, Mental Health and		
and anomalies in data sent		order to agree and create a whole		Learning Disabilities, Social		
device or reported by	/ a	pathway care plan for his/her clinical		Services, Assistive Living staff		
citizen/patient		or support nee	ds with metrics	fac	ilitate timely care plans	

Treat Me is principally about the professionals saying 'it's our job now', where the citizen/patient has entrusted him/herself to them. Confidently spoken, those four words impart huge reassurance, and the digital services here are intended to improve outcome and experience:

	SUPPORT ME	ASSESS ME	TREAT ME		COACH ME	
1	Clinical coordination centres	A stabilisation and treatment		We co-create discharge-to-		
	with common care and referral	management system combining test		enablement, long term condition		
	protocols support information-	results, ECG/ physiological testing		management or palliative plans		
	sharing, need-capacity matching,	records and images with decision		for condition-related needs,		
	admission, referral and	support helps i	dentify patients	medicines management, nurse		
	community care bookings, and	requiring urgen	t/specialist care,	an	d care visits, follow-up	
	early discharge reviews	prepares rapid ad	mission pathways	appointments and reablement		
		and books clinica	expertise needed	tools		
	Clinical workflow tools allow more	Intervention requirement prediction		Data coding is automated and		
	time with patients, with reliability	improves our ability to identify		validated by clinicians and		
	and standardisation increased,	deteriorating patients and those at		patients and in a standard format		
	scheduling and decision support	risk of infection	risk of infection earlier so we can		orm audit, commissioning,	
	improved, ordering/prescribing	collaborate to intervene preventively		clinical governance and quality		
	automated, and handover risk	minimising divergence from the		improvement		
	reduced	optimal care pathway				
	Whole pathway care plans,	Asset, inventory	Asset, inventory and procurement		nmunity care, clinic and	
	booked at the outset and	management, and staff rostering and		hospital management systems		
	adjustable/cancellable any time,	deployment tools remove		enable information needed at		
	let us visualise and manage the	administrative tasks from clinical		every level to be generated in		
	value, flow and performance of	staff		real time or as required		
	services end-to-end in real time					

Coach Me requires a different kind of conversation to increase health-related quality of life and improve patient experience of the health system. For care providers, it covers coaching systems, and tools and training through academies and Health and Wellbeing campuses:

SUPPORT ME	AS	SESS ME	TREAT ME		COACH ME	
The individual's record of		Health and wellbeing centres include		Real-time reflective practice tools		
medical history and lifestyle		audio-visual and walk-in		using smartphones (audio-visual		
choices helps inform my coa	ching	consultation facilities for digital		recordings) and internet e.g.		
decisions for recovery o	or ł	health coaches to provide transition		forums enable staff to reflect on		
adjustment to his/her new l	health	coaching including in the use of		delivered care and build reflective		
status		technology-enal	oled care to help	practio	ce into training, facilitating	
		citizen/pati	ents reable	improvement		
All post-discharge coaching	g and	The voluntary sector can align		The creation of health and		
rehabilitation services needed are		availability with demand through		wellbeing campuses as a		
included in the integrated care		peer-to-peer brokerage services, and		hospital/business		
plan and scheduled automatically		clinical partners can access and		infrastructure/education and skills		
		engage population cohorts to		dev	velopment testbed can	
		undertake research or trials for their		innovate coaching		
		future benefit				
Using audio-visual or telephony		Coaching system	ns for healthcare	Ass	essment and diagnostic	
we provide nurse-led health		organisation staff facilitate selection		academies, and digitally-		
coaching, tailored advice and		and prescribing of personalised		integrated genetics, pathology		
emotional support to he	lp	content and tools e.g. care		and surgical centres of excellent		
citizen/patients recover or adjust		simulators, virtual coaching		convert science to advanced		
to their new status and reduce		programmes etc		clinical practice		
readmission risk						

### Considerations for the design of the system

:

The intention is to provides services to citizens and professionals that are as intuitive and convenient to use as those in other aspects of their lives, and which they feel add value for them, in order to drive adoption and enduring use. This has system-level implications:

SUPPORT ME	AS	SESS ME	TREAT ME		COACH ME	
There is cross-care settings		National clinical workflow systems		Whole system intelligence brings		
access to citizen/patie	nt i	will be used wherever optimal e.g.		together financial, operational		
information (which we k	eep ·	for consultations, referrals, orders,		and clinical outcome data centred		
online, with access logg	ing) r	results and medicines management,		around patients to support		
relevant to the point of a	are	increasing virtual capacity and		population health management,		
including child protection	and	availability in ger	neral practice and	effectiv	e commissioning, service	
mental health informat	ion	clinician interoperability		re-design and research		
Device-software combination	ons are	Business management systems are		There is a multi-agency approach		
designed with and for the	user ir	interoperable where needed e.g. for		to citizen identification across		
and are touch-sensitiv	e,	need-capacity matching, planning,		public service board organisations		
responsive or assistive as n	eeded	performance management and		facilitating timely push or pull		
for place-based working,	with	audit, and enable a comparable		through their whole care pathway		
data capture, aggregati	on,	citizen/patient experience across		(e.g. using unique electronic		
analysis and response/command		equivalent care settings		identification wrist tags)		
A single set of information-	sharing A	A clear direction exists for the use of		The internet is there for all		
agreements is in place and all		web portals and patient self-		whenever required, information		
assessment outcome, treatment		care/management exists so that		governance and cyber-security is		
and discharge or withdraw	al and	technology-enabled care can be		resolved nationally so that		
transfer records, letters	and	comprehensively available and		records follow patients across		
notices are generated i	na c	consistently selected and deployed,		borders, and staff are consistently		
standardised way and shareable		and coaches consistently trained		trained for their protection		

For these system-level implications, alignment with national and regional strategy and initiatives e.g. digital services, data centres etc., and collaboration e.g. on inter-operability and cross-organisational data-sharing, are essential, for economies of scale, to share scarce resources or to achieve best practice. We will examine some critical dependencies for our Health Board's digital strategy:

**Mitigating or resolving digital exclusion:** Becoming digitally-enabled requires system users to have access (available internet and the skills to use it), and system providers e.g. our Public Service Board member organisations, to encourage ever-increasing digital participation by all citizens. On access, a Once for Wales approach to rapidly addressing internet availability and digital skills training in conjunction with Public Service Board member organisations providing assisted digital support to those who can't, don't or won't access digital services themselves should be adopted. On participation, imperatives for this Health Board to accelerate digital participation are growing:

- Trying to continue serving the rising demand and expectations and addressing the health inequities without digitally-enabled ways of working will become unaffordable for a reducing number of taxpayers to bear
- The current manual/paper-based ways of working will become operationally unsupportable due to the impact of demographics on our Health Board workforce, and the difficulties of attracting and retaining staff (yet there is more than enough capacity already if our staff are able to do just those things that only people can do, and we use technology to do the rest)
- As the use of digital technology becomes more pervasive in health and care, organisations not keeping up in utilising digital technology in the provision of individual health and care services may leave themselves open to medical malpractice litigation.

In this context, digital participation may be accelerated by i) increasing and enhancing multi-agency collaboration in consistent user-centred design, ii) expanding and augmenting current approaches to achieving participation, and iii) mobilising more partner organisation staff in support.

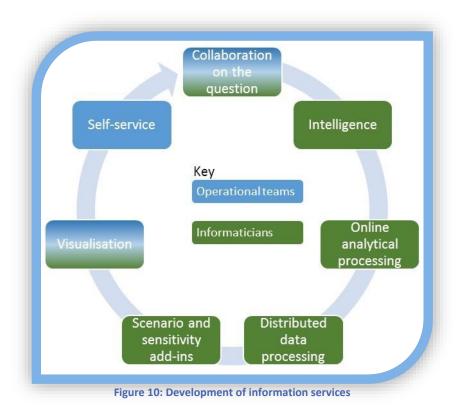
**Digitising and sharing health records:** much of the digital strategy is dependent on the digitisation and sharing of each citizen's full health record, and on determining the correct information to be presented at each point of care, or enabling the health and care professional to access it. A single plan for full health record digitisation and sharing should be prepared.

**Product and service development**: a new mix of internally-developed and procured tools and applications is required to accelerate and scale both Service Delivery Unit capability-building using digital, and delivery of a digital business model for health and wellbeing support.

Information, intelligence and analytics: As our health and care economy evolves, we need a robust set of methodologies, processes,

architectures and technologies to continue to capture and transform raw data into meaningful and relevant information. An organisationwide business intelligence and analytics capability is integral to the successful realisation of the benefits of investment in a digital strategy. This capability involves always being able provide the right information in the right format to the right people throughout our learning organisation at the right time, for the creation, accumulation or enhancement, management and use of knowledge for health and care services.

It is envisaged that business intelligence and analytics processes will uncover insights about clinical pathways, experience and outcomes, and population health needs from the underlying data. By using information and analytics to support decision-making across health and care, our workforce will be able to transform knowledge into actions which reduce variation and improve our services and the health and wellbeing of our population. Population health intelligence will enable both increased health and wellbeing awareness and participation by our population by supporting informed citizen/patient interactions with



targeted health and wellbeing campaigns, and improved health management by directing development of service provision where needed.

Currently deployed intelligence and analytics technology is primarily applied to structured data. However, as shown in the diagram to the right, emerging healthcare questions require implementation of newer technologies which allow deeper investigation of large volumes of semi-structured and unstructured data. At the same time, business users and clinicians increasingly need to test hypotheses and explore data before knowing exactly what they need. New data discovery and visual analysis tools give non-technical users capabilities for performing what-if analysis and creating visualisations themselves, driving demand for access to suitable data. However, results of analytics are often hard for users to consume without appropriate context. Dashboards and performance metrics can help users understand the significance of analytics for their roles, responsibilities and decisions.

**Digital technology infrastructure** – we rely on a combination of local and national infrastructure comprised of the underlying utilities and components, together with network resilience, cyber security and management of the technology, for the provision of digital services. The strategic remit includes the evolution (modernisation and standardisation) of our infrastructure and the introduction of new technology.

The core network connects and provides access to computers, telephony, video conferencing, medical equipment, surveillance cameras, building management systems and alarms, on a fixed line or wireless basis. It needs to be robust and resilient, and the equipment replaced and software updated regularly.

Computer servers provide access to email, document storage, administrative systems, clinical systems and business intelligence. Our own servers are kept in secure data centres with failover, and software patched with the latest security updates between new version releases. Cloud-hosted services offer an overall reduced total cost of ownership of ICT infrastructure and services together with improved performance, reliability and scalability. They often facilitate the provision of the 'at home' services described earlier.

A key deliverable envisaged in our digital strategy is the wide-scale move from traditional desktop and laptop devices (there are around 9,350 devices and 16,800 staff) to mobile devices and mobile applications. As described earlier, this will better enable staff to communicate, learn, do their work and participate in helping to tackle digital exclusion.

Our Wi-Fi platform is vitally important in delivering access to information and collection of data at the point of care as well as providing unified communications (telephony, video, instant messaging) across the Health Board. Our surveys show it enhances patient experience. To communicate with staff without access to their own Health Board computers (junior doctors, nurses, porters, estates staff etc.), we are giving Wi-Fi access to essential services such as email, intranet and other NHS web applications on individuals' own devices.

The use of video conferencing in administrative and clinical environments provides opportunities to transform patient care by enabling professionals to see citizens/patients at home remotely, supporting virtual multi-disciplinary team meetings, allowing two or more people to collaborate on the same information in a single system at the same time, and incorporating real-time presence information to let staff working in the community know which colleagues are available to provide advice or assistance

Protecting our systems from cybercriminals involves educating staff, using modern security technical infrastructure, ensuring devices, networks and computer systems are operating on supported platforms with the latest security patches applied, and developing cyberattack resilience plans to protect information assets should an attack occur.

#### **Considerations for the Health Board**

As well as system-level implications, there are some important considerations for the Health Board in executing this strategy:

**Digital maturity:** In conducting its current state assessment as input to this digital strategy, the Health Board completed an initial digital maturity self-assessment to evaluate how well developed different aspects of the organisation's infrastructure, capability and readiness are. Some systems require further user-centred design revisions and development, however current limitations are principally in the capabilities of the organisation and its readiness to engage. Likewise, an initial baseline self-assessment undertaken against the Advisory Board business intelligence maturity model shows that in most aspects our Health Board is currently operating at an enterprise perspective level (in line with the majority of similar organisations), and the areas not achieving this level are data culture and the wider organisation's approach to data and analytics.

**Pace and scalability:** The digital strategy flows from the organisation strategy and has been developed to deliver the organisation's strategic objectives by guiding digital capability planning by and for the Health Board's Delivery Units. While we build the new digital capability, we will need to redevelop existing capability to overcome both generic and specific factors that will constrain the rate of progress in delivering this strategy, including:

- People workforce development, risk attitude, availability of resources/skills, capacity in the context of the ambition of the strategy
- Process change engagement, coordination of change, timeliness of components/decisions
- Technology legacy systems, enterprise architecture, vendor engagement, increasing confluence of digital and medical technology

**Communication:** There is little visibility, and therefore understanding, of what becoming a digitally-enabled organisation entails or how and to what extent digital technology can address the challenges the organisation faces. At the same time, digital is an enabler of the new health and care system, not an end in itself. When to include an action under the DESTINATION: DIGITAL banner, and when to include it under a different organisation initiative requires consideration.

As well as the quality of the strategy execution process and the excellence of the operational activity in support of the strategy, executing this digital strategy effectively requires deciding which user journeys to make digital and in what order. It also requires establishing a robust digital platform in and for the user community and an ecosystem for rapid, scalable experimentation and collaboration among provider organisations in our health economy and nationally in order to address dependencies explained earlier. The execution process will therefore need to identify the relevant collective milestones and codify and agree benefits realisation management. Where appropriate, this should likely include making progress in delivering and operating digital technology a part of commissioner and provider assurance, assessment and inspection regimes.

#### How the strategy will be:

#### Communicated

This Digital Strategy will be promoted widely by the Board using existing internal and external communication channels, and the DESTINATION: DIGITAL name and logo were developed to facilitate this. Digital familiarisation will be part of induction and training, and referenced in job descriptions, objectives and appraisals. A webpage, Team Brief and regular bulletins will be used to update staff and our public of progress.

#### Implemented

We have developed and will undertake a robust execution process to translate strategy into actionable plans for all, with priorities set out in the Integrated Medium Term Plan, coupled to a rigorous benefits realisation management process intended to achieve the planned outcomes.

#### Delivered

The Executive Team will lead the delivery of this strategy through a portfolio of programmes which will complement the national initiatives underpinning 'Once for Wales'. They will exploit the capabilities of our strategic and tactical regional partnerships e.g. Swansea University and ARCH through a digital collaboration network that will address the broader determinants of health and wellbeing to increase gross value added.

#### Monitored for delivery

The Board has overall accountability for strategy but has delegated responsibility for the regular and detailed scrutiny of this area to its Strategy Committee. It will have oversight of how we will:

- utilise a Digital Portfolio Board (which will include representatives from each Delivery Unit, each Commissioning Board, Primary Care, the voluntary sector and the key partnerships outlined above) to drive a service-led, benefits-driven Destination: Digital portfolio;
- agree, implement and keep aligned prioritised work programmes comprising current and new projects, together with culture change, promotional activity, education, training, and workforce development;
- evaluate the capability and capacity of our Informatics Directorate in order to create and then implement a development plan for it; and
- determine success metrics and measure a baseline against them, manage progress and show at each review the extent to which the progress made is taking us towards becoming digitally-enabled.

#### Reviewed and evaluated

This Strategy will be reviewed and evaluated in accordance with NHS Wales guidance and Health Board practice.

This page intentionally left blank