

THE ARCH REVIEW

In this edition:

ARCH – a unique partnership.....	04
This year’s highlights.....	05
NHS Service Transformation.....	05
Developing Education, Workforce and Skills.....	11
Supporting Research, Enterprise and Innovation.....	14
ARCH – making a difference.....	23



Foreword

Welcome to the annual review from ARCH (A Regional Collaboration for Health).

It's been another exciting year as we work with our partners to deliver change that will transform our health, care and wellbeing services and deliver benefits to people across the South West Wales area.

Our overall goal is to provide safe, effective and high quality care for patients wherever they live in the region that will improve their outcomes and experiences.

Where possible we want to work together to implement single regional services in key areas of need. We know we are stronger together and this approach will ensure we have a more skilled and sustainable workforce, as well as services that are fit for the future.

Our priorities for 2022/23 focused on three areas: [NHS Service Transformation](#); [Education, Workforce and Skills](#); and [Research, Enterprise and Innovation](#).

As you will see as you read through our report, there has been lots of progress with some notable successes and the introduction of new programmes which are creating momentum for our work.

A particular highlight is how close we are to delivering a single regional neurosciences service to improve care and support for patients with life-long neuromuscular disorders.

There has been so much good work over the past year including a new approach to helping headache patients which reduced referrals to hospital by 80% and drastically reduced waiting times from 18 months to six weeks – a fantastic result.

Good progress has also been made in using telemedicine to improve care for patients with skin conditions, and on making the case for a comprehensive regional stroke centre.

We have also supported the creation of a case to improve the care, outcomes and experiences for cancer patients across South West Wales. This was approved by Swansea Bay University Health Board (SBUHB) and Hywel Dda University Health Board (HDdUHB) in January 2023.

We're always keen to be involved in work that improves our population's wellbeing so are pleased to be working with Public Health Wales to carry out a Health Needs Assessment and Health Impact Assessment. This will inform the planning and development of the Life Sciences, Wellbeing and Sport Campuses City Deal.

Last but not least is the work we have been doing in the learning and innovation space which is really inspiring. To gain accreditation for our Swansea University-led Senior Leadership Development Programme, and to see the real benefits to patients and staff being delivered by the student's change projects, has been fantastic.

ARCH was delighted to lead the first ever Social Care Hack, where people working in the service come up with potential solutions to challenges and put them into action.

We have also begun work on the first ARCH Innovation and Research Strategy to set out our regional approach to supporting innovation and research.

We have an ambitious portfolio and it is a privilege to work with our partners to deliver a joined-up approach to help relieve pressure on our health and care services, to strengthen our workforces and drive a vibrant life science economy.



SIÔN CHARLES
Head of Strategy and
Service Planning, ARCH

ARCH — a unique partnership to improve the health, wealth and wellbeing of South West Wales

ARCH is a unique partnership between HDdUHB, SBUHB and Swansea University. It aims to improve the health, wealth and wellbeing of the South West Wales region. Formed in 2015, the ARCH region spans the local authority areas of Ceredigion, Pembrokeshire, Carmarthenshire, Neath Port Talbot and Swansea.

We have a portfolio of regional programmes of work and individual projects that are led by the strategic ambitions of our partner organisations. This is underpinned by the Welsh Government's 'A Healthier Wales' policy.

We aim to deliver meaningful change to support the local population. A key strand of the ARCH Partnership is working in collaboration with local authorities and industry as part of the Swansea Bay City Deal. This is a £1.3bn investment awarded by the UK government to deliver nine programmes of work and create more than 9,000 jobs.

By working together, ARCH partners are:

- **Improving the health of our communities**, reducing inequalities and empowering and building confidence in the population to manage their own health and wellbeing

- **Recognising and overcoming the challenges** of both rural and urban healthcare
- **Delivering infrastructure and services** recognised for their excellence
- **Using technology to deliver innovative services** and knowledge that support prudent healthcare
- **Transforming services so they are integrated**, easy to access and navigate with health, social care providers, public, private and third sector working together for our communities
- **Encouraging NHS Wales' capacity to innovate** and translate ideas for the economic benefit of the region
- **Creating and supporting open innovation environments** where world-leading science, practice and enterprise are joined together
- **Harnessing, nurturing and adopting home-grown life science enterprises** while also attracting global innovators
- **Creating multi-professional learning and training environments** to support the workforce and increase opportunities for people in South West Wales.



To find out more about ARCH please visit our website www.arch.wales

ARCH Highlights of 2022/23

Our regional partnership focuses on three key priority areas: [NHS Service Transformation](#); [Education, Workforce and Skills](#); and [Research, Enterprise and Innovation](#). These priorities align with Swansea University, SBUHB and HDdUHB's strategic vision and plans. It's an exciting agenda that will improve the health, wealth and wellbeing for people in South West Wales, and help to establish robust, sustainable and quality regional services. Here are some highlights of our progress and success during 2022/23.

NHS Service Transformation

Developing a single regional neurosciences service to improve care and support for patients

Plans to develop a single regional neurosciences service to improve care and support for patients are moving a step closer with plans being developed during 2023/24. This is exciting progress in our aim to deliver safe and equitable care across the South West Wales region. This will help patients with life-long neuromuscular disorders, such as muscular dystrophy, receive the best possible support in the community and avoid unnecessary admissions to hospital.

Our previous neurology work programme (2017-2022) has been closed and a new programme outlined to take forward the work needed to move towards a single service.

The work will build on the achievements so far, including:

- **A new way of working to improve care for headache patients** which reduced referrals to hospital by 80% and waiting times for new patients from 18 months to six weeks. The new care pathway was developed by HDdUHB and the same approach also implemented in SBUHB. It was agreed with General Practitioners (GPs) and offered more guidance and support in managing patients. It also generated efficiency for general neurology, freeing up clinic space and helping to reduce waiting lists for epilepsy patients from 12 months to four weeks
- **The first regional neurological service delivery plan** was drawn up in partnership with both SBUHB and HDdUHB
- **A new approach to move the service away from secondary care** towards a community-based support network that encouraged self-management was agreed
- **A regional multi-disciplinary team** for epilepsy was established.



The new Regional Neurosciences Plan for 2022-2024 includes developing enhanced specialist roles for Neurophysiologists to enable them to support consultants and allow the wider team to develop and strengthen.

Training will be key to this and physiotherapists will be supported to work towards a new qualification called [Improving Quality in Physiological Services](#) (IQIPs).

This is a national accreditation for standards of service for Neurophysiology.

We are also looking to expand the current service available in HDdUHB area and staff from the centre in Swansea will be providing support to help this happen, with the region then becoming a centre of excellence.

Creating the first ever regional service to help people with Functional Neurological Disorder

ARCH's vision of developing and delivering the first ever Functional Neurological Disorder (FND) regional service in Wales, to improve care for patients wherever they live in the South West region, remains on track.

FND is a common and disabling condition which causes an array of unexplained symptoms including blackouts and paralysis. Currently there are no care pathways in place to support patients. Many staff also lack knowledge in this specialist area which leads to delays in diagnosis, frequent attendances to hospital and GP practices, poor support and outcomes.

We have worked with our ARCH partners and professionals in primary, secondary and community care, to develop a business case that details the importance of establishing a new regional service.

The new service will provide safe and effective care tailored to individual needs and improve diagnosis, treatment and support.

Dr Tanya Edmonds, Head Consultant Clinical Neuropsychologist at Morriston Hospital said:

"This is an exciting opportunity to develop the first evidence-based, care pathway in Wales with person-centred, holistic, innovative and cost-effective interventions aimed at improving the outcomes that matter to people with functional neurological conditions and their families."



Increase in CT scans for patients with heart conditions

Training for cardiologists in HDdUHB, to enable them to provide better and more efficient care locally for patients with suspected heart conditions, has been completed during the past 12 months.

The training, which began in September 2022, enables the cardiologists to complete and read cardiac Computerised Tomography (CT) scans. This means more patient scans can be done and read locally rather than being sent to the Cardiac Centre in Morriston Hospital, Swansea.

Following the completion of the training, the number of CT scan-qualified Cardiologists in HDdUHB increased from two to five. This in turn will increase the number of scans carried out locally by four-fold within a two-year period.

Dr Daniel Obaid, Clinical Associate Professor, Swansea University Medical School and Honorary Consultant Cardiologist at Morriston Regional Heart Centre has supervised the training. He said:

"This work under ARCH is a great example of collaborative working across organisations with peers supporting each other to help patients receive their treatments quicker, which is ultimately safer."

"We hope to repeat the training with another cohort later in the year and support HDdUHB to achieve their ambitions for the service."



Developing a sustainable Oral Maxillofacial Service across South West Wales

Our plans to develop a sustainable and stable service for patients who need oral maxillofacial care have taken a step forward following a productive workshop with colleagues from Hywel Dda and Swansea Bay UHBs in January 2023.

The workshop was an opportunity to review the current service, discuss regional solutions and learn from an exemplar intermediate oral surgery service in Powys. Delegates discussed ways of improving patient flow and waiting times, and actions that could help ensure a robust and sustainable workforce.

Craig Wilson, Deputy Chief Operating Officer, SBUHB said:

"The purpose of the review of oral maxillofacial pathways is to ensure that patients from across the South West Wales region receive equitable access to a safe, high quality service provided by the most appropriate clinician at the correct point of delivery."

Improving care for dermatology patients

Work to develop a regional dermatology service for South West Wales has continued to pick up speed.

A full teledermoscopy service is now running in SBUHB following a successful pilot. The service focuses on taking high quality clinical photographs of skin changes which can then be accessed remotely by a consultant dermatologist for a diagnostic assessment. The new way of working aims to avoid patients attending outpatient appointments in person unnecessarily and will provide care closer to home. This has helped to reduce waiting lists and improved the patient experience.

A second pilot was launched in HDdUHB in September 2022 and funding has been agreed to make this a substantive service. In this pilot, 251 patients with skin lesion referrals were assessed using teledermoscopy. This resulted in 58% of patients being directly discharged, as they had benign lesions or conditions that can be managed in the community.

Dr Ausama Atwan, Consultant Dermatologist in Aneurin Bevan University Health Board and National Clinical Lead for Teledermoscopy, said:

"There is a need for an effective and safe diagnostic service so those with benign conditions can be reassured without needing to attend a hospital appointment, and those who require urgent specialists' management are signposted to the appropriate pathway in a timely fashion."

"The teledermoscopy programme is a service model that aims to achieve these goals. This programme, funded by Planned Care Improvement and Recovery, is now operational in most of the Welsh Health Boards and the aim is to have the service implemented in all of Wales by March 2024."



Designing a Comprehensive Regional Stroke Centre for South West Wales

The ARCH team has been busy drafting a business case outlining the resources needed to design and implement a Comprehensive Regional Stroke Centre (CRSC) for the South West Wales region.

A CRSC is a large centralised regional stroke centre offering specialist imaging, thrombolysis, assessment and referral, and Hyper Acute Stroke beds.

The business case highlights the investment required in all areas of the stroke

workforce and describes how this could be implemented over three years.

Alongside this, a regional stroke programme has also been developed and will be delivered at the same time.

Work has begun to scope out the service and centre requirements. This will be shared with patients and staff to enable users of the service to input their views and shape the development to ensure it meets their needs.

Work on track to transform regional pathology services

Our aim to transform regional pathology services remains on track with an outline business case due to be submitted at the end of 2023.

The project will create a single regional service, including the development of a new Centre of Excellence for Pathology Services on the Morriston Hospital site, integrating the latest technological advancements, including artificial intelligence.

Over the past 12 months designs and costings have been developed. The project team has also visited other sites across the UK to inform the development of this exciting new facility.

The building will replace outdated facilities on existing sites and provide a focus for service delivery, innovation and research, and training. Programme Director, **Neil Miles** said:

"I am delighted to be working with such a wide range of enthusiastic and committed professionals to enhance and modernise pathology services in South West Wales. We have a fantastic opportunity to provide cutting-edge technology and levels of service delivery to our region through our proposed network of services including the Centre of Excellence on the Morriston site."



Developing the South West Wales Cancer Centre (SWWCC) and transforming regional cancer services

A detailed plan to improve the care, outcomes and experiences for cancer patients across South West Wales was approved by HDdUHB and SBUHB in January 2023.

The Strategic Programme Case (SPC) builds on the vision set out by ARCH in its Non-Surgical Oncology Strategy in 2018, to 'provide the best possible cancer care for the people of South West Wales' and local clinical plans.

It provides a framework for the development and delivery of non-surgical cancer services (radiotherapy and outpatients) to meet increased demand for treatment, improve access to high quality services and more efficient and effective care.

As new cancer diagnoses have increased by 25% since 2002, in the main due to an ageing population and earlier diagnosis, it is vital that there is capacity to deliver care to meet patient need and keep up with new technology and treatments.

The SPC aims to provide a fit for purpose South West Wales Cancer Centre and regional cancer services that will:

- **Improve health outcomes** for people diagnosed with cancer
- **Reduce waiting times** for treatment
- **Increase capacity** to meet the growing demand for services
- **Provide equitable access** to patients across the region
- **Provide a high quality cancer service** equipped with access to modern diagnostic and therapeutic equipment.

This will be enabled by the development of more sustainable workforce, improving digital infrastructure and ensuring the service is supported by the best research.

Dr Daniel Warm, Head of Planning for HDdUHB and co-chair of the Regional Strategic Programme Group, said:

"The approval of the SPC by both Health Boards is a significant step forward in delivering the vision of the South West Wales Cancer Centre. However, we know that there is still much to do, and the aim over the next year is to begin the development of the business cases that will deliver the changes we want to see in supporting our regional non-surgical oncology services for the population of South West Wales."



Developing Education, Workforce and Skills

ARCH Senior Leadership Development Programme delivers real benefits for patients and healthcare staff

It's been an exciting year for the ARCH Senior Leadership Development Programme as it moved from learning and training to delivering change projects that have made a real difference to patients and healthcare staff across the South West Wales region.

The programme brings together world class experts from health, care and academia to create a learning community aimed at developing senior leaders and clinicians in healthcare quality improvement skills. The programme covers a range of topics including leadership, strategy, innovation, and risk management. It is delivered through a combination of interactive workshops, expert-led sessions, communities of practice and individual coaching.

The 18 month programme welcomed its first cohort in May 2022 and sessions have focused on managing patient flows, dealing with backlogs and change management. A number of projects have already implemented and delivered significant benefits.

Of particular note are two Welsh Ambulance Services NHS Trust (WAST) projects which have improved handover times in emergency care and the management of patients who need palliative care.

Professor Nick Rich from Swansea University School of Management, who is helping to deliver the Programme, said:

"This partnership programme was established in a time of great need and the combined efforts of all the institutions involved is making real progress in meeting the current challenges in the NHS, including how we develop staff and innovate processes. It's been fantastic to see the team making significant progress in both training and supporting change projects that are delivering real benefits for patients and staff in the region. I can't wait to see what further improvements can be made."



The Arch Senior Leadership Development Programme was developed with the All Wales Intensive Learning Academy for Innovation in Health and Social Care, AgorIP, Swansea University STEM Skills Academy Wales and the Faculty of Medical, Health and Life Sciences at Swansea University.

Based on the success of this cohort, the programme will be recruiting the second cohort of senior leaders over the summer, so the benefits of the pilot programme can begin to be scaled to more teams and patient groups.



For more information please contact Sophie.marr@wales.nhs.uk



ARCH Senior Leadership Development Programme gains accreditation thanks to All Wales Intensive Learning Academy and ARCH

In other ARCH Senior Leadership Development Programme news, we are pleased to announce that the programme has gained Continued Professional Development (CPD) accreditation.

ARCH worked closely with the All Wales Intensive Learning Academy for Innovation in Health and Social Care to gain the accreditation for the programme – which has been awarded 30 CPD points.

The achievement demonstrates that the programme has met the rigorous standards

set by the professional development community and that it is aligned with best practice in leadership development. The accreditation also provides assurance to participants that the programme will help them maintain and enhance their professional competencies and be recognised by their professional body.

Dr Roderick Thomas, MSc Programme Director from the All Wales Intensive Learning Academy (ILA), which is based in the Swansea University School of Management, said:

"This recognition is a testament to the dedication and commitment of the team behind the Senior Leadership Development Programme and the impact it has had on the professional development of senior leaders across the health and care sector. The ILA is proud to be playing a part in the professional development of so many senior leaders and we look forward to continuing to support them in their journey towards leadership excellence."



Value-Based Health and Care Academy

Partners in ARCH have worked closely with the Value-Based Health and Care (VBHC) Academy over the past 12 months in all three of its key areas: education; research; and consultancy.

Launched two years ago, the VBHC Academy is one of four Intensive Learning Academies in the Welsh Government Innovation, Technology and Partnership Programme. The Academy has a global outlook and reach and works across all of Wales too, delivering Executive Education, a purpose designed MSc in Advanced Health and Care Management (Value-Based) and a Doctorate of Business Administration (DBA).

In 2022/23 the Academy worked closely with HDdUHB and SBUHB on a number of initiatives including the following:

- **Welcoming staff from both health boards as students** on the Executive Education part-time MSc and part-time DBA programmes, which will build capacity within ARCH for adopting Value-Based principles in new and current clinical services

- **The co-creation and delivery of bespoke education programmes** for HDdUHB corporate senior managers and an advanced Practitioner Programme for operational managers and clinicians. This will run into 2023/24 and is supporting the VBHC projects they are managing

- **The design and build with Swansea Bay of an e-learning module** about Patient Reported Outcome Measures (PROMs) that builds to an Introduction to VBHC e-learning programme. Both of these courses went live in March 2023 and are freely available to anyone, anywhere in the world, growing understanding and putting South West Wales on the map

- **Partnering with TriTech, Dr Ffion John and the North Ceredigion Cluster**, to evaluate the value of digital adjuncts in the treatment of patients with persistent pain, helping to secure funding and resources from our partner Pfizer UK and also Patients Know Best™.

Professor Hamish Laing, Director of the Value Based Healthcare Academy said:

"I am delighted how our partners in ARCH are starting to lead the way in Wales on VBHC, because it is vital to making our health system sustainable."



Supporting Research, Enterprise and Innovation

Life Science, Wellbeing and Sport Campuses City Deal Project

ARCH is proud to be a key partner in the Swansea Bay City Deal Campuses project which is making good progress on its ground-breaking health and sport development for Swansea.

The project has taken a major step forward through the appointment of an architect and project managers. Architect and building consultancy AHR has been named as the successful bidder ahead of the launch of phase one of the project.

AHR will be expected to complete the development design and manage the planning process and application. The design is due to be completed by the end of summer 2023. It is expected that the construction will begin in the spring of 2024, with the build completion by the end of 2025.

The development will create an environment that fosters innovation between life science, health, wellbeing and sport, strengthening Wales's position as a leader in this sector.

To complement the plans to expand services at Morriston Hospital, routes for a new road from the M4 to the hospital are being explored by health senior leaders. This will create improved accessibility to and from Morriston Hospital which will better align health services, skills and education, and research and development in life sciences across the region.

Professor Steve Bain, Assistant Medical Director for Research & Development for SBUHB, said:

"The refurbishment at Morriston Hospital will establish it as a global example of best practice for healthcare by accommodating commercial and academic collaboration with clinical research and development, while facilitating access to modern technology and techniques."



You can read more about the Swansea Bay City Deal Campuses project [here](#).



ARCH Innovation and Research Strategy

ARCH is currently developing an Innovation and Research Strategy to set out our approach to supporting innovation and research across the region. The strategy will define the common vision between the ARCH partners along with aligning local and national innovation and research strategies.

Work has taken place to review strategies from HDdUHB, Swansea University, University of Wales Trinity St David and Welsh Government, with a number of common themes analysed.

A series of eight workshops has also taken place with innovators and

researchers to listen to their views and discuss how we can co-produce our approach to research and innovations to drive change and improve health outcomes for the population of South West Wales.

The next steps are to review and analyse the Welsh Government framework for NHS Research and Development and the SBUHB Research, Development and Innovation Strategy once published. This will help to inform our strategy which we are planning to publish in October 2023.

Siôn Charles, ARCH Head of Planning and Strategy, said:

"When it comes to innovation and research, scale matters. This ARCH strategy is an exciting opportunity to formalise our collective approach to coordinating our regional innovation and research assets and resources to more effectively compete at a global scale."



Health Needs and Health Impact Assessments

The ARCH team has begun work on a Health Needs and Health Impact Assessments (HNA and HIA) for the Swansea Bay City Deal Life Sciences, Wellbeing and Sport Campuses Project. The Health Impact Assessment will be informed by discussions and views from key stakeholders, including members of the public, to ensure any recommendations are steered by the evidence base and local need.

A regional group with representatives from SBUHB and HDdUHB Local Public Health Teams and Swansea University has been established and a plan agreed. Previous Health Needs and Health Impact

Assessments have been identified, which will inform our work, and an ARCH Principal Public Health Practitioner has been appointed to lead the work from April 2023.

The findings and recommendations of the ARCH Health Needs and Health Impact Assessments will identify the health and wellbeing requirements of our regional population. It will also steer the health and wellbeing priorities for the ARCH Innovation and Research Strategy.

Joint Clinical Research Facility and early collaboration with TriTech

The Joint Clinical Research Facility (JCRF) has begun some early collaborative work with the TriTech Institute in HDdUHB.

The first joint project, funded by AMGEN, will assess a new pathway in optimising the medical management of patients with heart disease and improving diagnosis and treatment.

It is being run across both HDdUHB and SBUHB and will involve recruiting 150 patients.

The project will analyse existing data at Swansea University's Secure Anonymised Information Linkage (SAIL) Databank to develop systems identifying patients at high risk of future disease. It will also examine the effectiveness of pharmacist-led clinics across both health boards in reducing the treatment gap, and ensuring high-risk cardiovascular patients are identified and seen by the right person, in the right setting, at the right time.



A second collaboration is on diabetes with Prof Sam Rice, Clinical Director of Research and Development for HDdUHB, working with the JCRF team to look at clinical studies of new medicines in diabetes and associated obesity.

Other areas for collaboration will be explored as we evaluate the experience with the current two projects.

Professor Chris Hopkins, Head of Innovation and TriTech Institute noted:

"We are very excited to be working with JCRF. The AMGEN project offers an opportunity for us to work collaboratively to support healthcare on a local and national level. This partnership demonstrates what can happen when you bring together research, clinical expertise and innovative technology for the benefit of patients across the region."



Social Care Hack

We were delighted to support the first Social Care Hack in June 2022, which brought together innovators and social care teams to develop solutions to help Social Care develop technology solutions to operational challenges leading to better services for citizens. The event, which took place over two days, invited social care and health workers to share the challenges they face in their work.

The challengers were then matched up with private sector and university innovators to collaborate and develop a solution which they pitch to a panel to see if they can secure start-up funding from the £250,000 pot made available by Welsh Government. Six projects were chosen as winners for their innovative ideas to deliver benefits to citizens. They were:

- **Digitally Supporting Caring Communities:** Cwmpas and Scinap – making it easier for carers to register as a proxy user in order to use digital services on behalf of the person they are supporting
- **Nostalgify:** boosting wellbeing through a nostalgic lens. Hafod and Swansea University are using augmented reality (where computer-generated images are super-imposed on the real world) with nostalgic memories to improve the quality of life for people living with dementia
- **Wellbeing app:** Grwp Cynefin and Scinap – using new digital tools to connect the events management team directly with customers and their local support team to provide targeted signposting of wellbeing events

- **Tactile Pressure App:** SBUHB and Objectivity – developing a sensor tracking system to allow metrics and early warning of immobility (the largest risk factors for pressure ulcers) with care home residents
- **Digital Activities of Daily Living Intervention:** SBUHB and Agile Kinetic Limited – building upon research to develop a tool to demonstrate movement patterns used for frailty screening of patients
- **Harnessing Innovation in Social Care:** West Glamorgan Regional Innovation Coordination Hub and Objectivity – developing a digital platform to link innovations to people's needs reducing duplication of effort and increasing resources.

The Health Hack is delivered in partnership with Social Care Wales, M-SParc, Life Sciences Hub Wales, Welsh Government, Regional Innovation Coordination Hubs, Accelerate, Bevan Commission, AgorIP, Social Care Wales, Simply Do and MediWales, with support from across social care.





Working with TriTech to deliver healthcare innovations

Our work with the TriTech Institute at HDdUHB is one of our key strategic initiatives and we were pleased to support their progress over the past year.

The TriTech Institute was established to support the development and evaluation of innovative healthcare technologies which contribute to improved patient outcomes. Since its launch in May 2021, it has already established three key areas: research; evaluation; and advice.

During 2022/23, it has delivered the following achievements:



Partnership Commitment

HDdUHB and Swansea University signed a Memorandum of Understanding, which commits to a partnership in several new areas. This includes improving the number and diversity of clinical trials across the region; focusing on new diagnostic technologies and commercial drug trials; and supporting the growth of educational programmes.

Nasogastric Testing

TriTech worked with NGPOD Global Ltd, and SBUHB to understand the value gained from using an innovative NGPOD testing device for patients who need nasogastric feeding.

The service was evaluated over an eight-month period to assess the use of NGPOD in a real-world setting, including implementation of the device on the wards and its effectiveness.



Pain management for patients waiting for knee replacement surgery

An innovative, new clinical study to examine the effects of the use of bioelectrical technology for pain management in patients waiting for knee replacement surgery, concluded in December 2022. The six-month project was a collaboration between the University of Wales Trinity Saint David's (UWTSD) Assistive Technologies Innovation Centre (ATiC) and TriTech. It was supported by Life Sciences Hub Wales through Accelerate.

Professor Chris Hopkins, Head of Innovation and TriTech Institute noted:

"We are very excited to be involved in these innovative studies and working with partners across West Wales. All of these projects offer an opportunity to develop and improve systems to support healthcare on a local and national level. We hope that these studies will enable collaborative and innovative outcomes, leading to improved health for Wales."



Intellectual Property for Innovation in Healthcare

Innovating in healthcare often requires collaborating with universities or businesses to access skills, experience, funding and other resources. However, NHS Intellectual Property (IP) policies had been spotlighted as significant barriers to innovation and collaboration.

To provide a solution to this, ARCH and Welsh Government's Innovation in Health and Care Team, has been working in partnership with all the NHS organisations in Wales to develop a new Intellectual Property policy.

With the support of experts Medipex and Trustech, the policy helps to incentivise staff to innovate and work in Wales and simplifies the process for protecting and sharing IP. It also standardises and simplifies negotiations with universities and businesses, supports economic development, and enables opportunities for income generation.

The next steps are to work with Welsh Government to produce a Welsh Health Circular that will set their expectations for adopting and using the policy.

Welsh Government Innovation Strategy

We were pleased to work with and support Welsh Government to develop its [Innovation Strategy](#) for Wales which was published at the end of February 2023.

The new strategy has a number of missions at its heart, including creating better jobs, improving health and care services, a greener environment and a more prosperous economy. The aim is that through working together, entrepreneurship, innovation and new technologies can reach every part of society. It focuses on the following:

- **Economy:** driving Wales forward to be a leading, innovation-based nation that collaborates across sectors for solutions to society's challenges, adopts new technologies for efficiency and productivity, uses resources proportionately, and allows citizens to share wealth through fair work
- **Health and wellbeing:** supporting health and social care to collaborate with industry, academia and the third sector to deliver new ways of working that deliver greater value and impact for citizens
- **Education:** helping to ensure Wales has an education system that supports the development of innovation skills and knowledge throughout people's lives in Wales
- **Climate and nature:** optimising our natural resources for the protection and strengthening of climate and nature resilience.

The strategy makes a firm commitment that Welsh Ministers will seek to drive up investment from the UK Government and beyond in Welsh research, development and innovation (RD&I).

Siôn Charles, ARCH Head of Planning and Strategy, said:

"Our collaboration with Welsh Government and other health boards in Wales to shape national strategy is key to our future success. It demonstrates how effectively we can work together in Wales to achieve our collective ambitions."



Supporting the development of Pentre Awel Zone One

ARCH has continued to support the Pentre Awel development across 83 acres of land in south Llanelli. Led by Carmarthenshire County Council, it will create a new landmark infrastructure providing facilities for business, research, education, community healthcare, leisure and assisted living – establishing an 'ecosystem' for life sciences.

The project is partly funded through the Swansea Bay City Deal. Benefits include:

- The creation of over 1800 jobs
- Health focused education and training opportunities
- Improved population health and wellbeing across all life stages.

Pentre Awel Zone One has made great strides during 2022/23, reaching a number of milestones that will provide an excellent launch pad for current and future phases. A number of stakeholder and public engagement events have taken place to ensure working opportunities and community benefits are maximised. This included the roll out of a Social Value Programme which delivers targeted initiatives across community benefits such as recruitment, training and education.

In March 2023, a formal ground-breaking and start of construction was commemorated by a site visit by Secretary of State for Wales David TC Davies MP. This was followed by a successful community 'Meet the Contractor' event to engage local residents and stakeholders.

Cllr. Gareth John, Carmarthenshire County Council's Cabinet Member for Regeneration, Leisure, Culture and Tourism said:

"Pentre Awel brings together a unique combination of elements covering Business, Academia, Health and Care and critically our community; all of which will build a network to create a whole system where partners can identify opportunities for working across traditional boundaries. Zone 1 is just the start. Watch this space."



Looking forward to 2023/24

We are looking forward to working closely with our partners in 2023/24 and continuing to build on and progress a number of exciting projects which will make a big difference to health and care for people across South West Wales.

Our passion for NHS Service Transformation will be driven during the coming year by:

- Submitting to Welsh Government an outline business case to create a Centre of Excellence for Pathology Services
- Creating a regional Functional Neurological Disorder (FND) service in 2023/24 to support patients and provide safe, effective and equitable care across South West Wales
- Starting the Improving Quality in Physiological Services (IQIPS) national accreditation process for standards of practice in neurophysiology
- Continue to increase capacity for cardiac CT scanning in HDdUHB
- Supporting the delivery of a single regional service for neurosciences.

We will be continuing to develop and support programmes around Education, Workforce and Skills by:

- Delivering another ARCH Senior Leadership Development Programme
- Supporting a number of global life sciences companies (MedTech, diagnostics and Pharma) with Value-Based propositions and encouraging them to consider ARCH an ideal place to offer those to the health sector. This will help get important technologies into the region with the sharing of risks and rewards based on outcomes that matter to patients.

Our drive to deliver Research, Enterprise and Innovation will be focusing on:

- Swansea University, lead for the Campuses project, will be launching its first key strategic partnership with the Welsh Rugby Union (WRU) and Ospreys. This partnership will be based at the Swansea Bay Sports Park development and see Swansea University host the West Wales Women's Player Development Centre (PDC)
- Publishing the ARCH Innovation and Research Strategy
- Completing the Health Needs and Health Impact Assessments
- Delivering the first ARCH Innovation and Research Strategy Conference.

Why ARCH is making a difference



"2022/23 has been a year which the focus for all of us has shifted from the immediate pandemic response to beginning the process of recovery. ARCH has provided us with the ability to address some of these huge recovery challenges across our whole region, helping us to recover more quickly for the benefit of our local communities and patients."

STEVE MOORE
Chief Executive, Hywel Dda
University Health Board



"It has been fantastic to be involved with the partnership working with HDdUHB and Swansea University to drive change across our region. Building on SBUHB's new Research, Development and Innovation Strategy, 2023/24 will be even better!"

MARK HACKETT
Chief Executive, Swansea Bay
University Health Board



"Swansea University greatly values its partnership with the NHS. We are extremely proud of the tangible difference that we can make to peoples' lives through our strong and impactful collaborations across education, workforce development, and research and innovation."

PROFESSOR PAUL BOYLE
Vice Chancellor, Swansea University

ADOLYGIAD ARCH

Yn y rhifyn hwn:

ARCH – partneriaeth unigryw.....	04
Uchafbwyntiau eleni.....	05
Trawsnewid Gwasanaeth y GIG.....	05
Datblygu Addysg, Gweithlu a Sgiliau.....	11
Cefnogi Gwaith Ymchwil, Menter ac Arloesedd.....	14
Pam mae ARCH yn gwneud gwahaniaeth.....	23



Rhagair

Croeso i'r adolygiad blynyddol gan ARCH (Cydwethrediad Rhanbarthol ar gyfer Iechyd).

Roedd hi'n flwyddyn gyffrous arall wrth inni weithio gyda'n partneriaid i gyflawni newid a fydd yn trawsnewid ein gwasanaethau iechyd, gofal a lles a chyflawni buddion i bobl ar draws ardal De Orllewin Cymru.

Ein nod cyffredinol yw darparu gofal diogel ac effeithiol o ansawdd i'n cleifion lle bynnag y bo nhw'n byw yn yr ardal a fydd yn gwella'u canlyniadau a'u profiadau.

Lle y bo'n bosib, rydym am weithio gyda'n gilydd i roi gwasanaethau rhanbarthol unigol ar waith ym meysydd o angen allweddol. Rydym yn gwybod ein bod yn gryfach gyda'n gilydd a bydd y dull hwn yn sicrhau bod gennym weithlu mwy medrus a chynaliadwy, yn ogystal â gwasanaethau sy'n addas ar gyfer y dyfodol.

Bu ein blaenoriaethau ar gyfer 2022/23 yn canolbwyntio ar dri maes: [Trawsnewid Gwasanaethau'r GIG](#); [Addysg, Y Gweithlu a Sgiliau](#); ac [Ymchwil, Mentergarwch ac Arloesedd](#).

Fel y gwelwch wrth i chi ddarllen trwy'r adroddiad, mae llawer o gynnydd gyda rhai llwyddiannau nodedig a chyflwyniad o raglenni newydd sy'n creu momentwm i'n gwaith.

Uchafbwynt penodol yw pa mor agos ydym o ran darparu gwasanaeth niwrowyddorau rhanbarthol unigol i wella gofal a chymorth i gleifion sydd â chyflyrau niwrogyhyrol gydol oes.

Roedd gymaint o waith da dros y flwyddyn ddiwethaf gan gynnwys dull newydd i helpu cleifion â phen tost a wnaeth ostwng atgyfeiriadau at ysbytai gan 80% a bu'n lleihau amseroedd aros yn sylweddol o 18 mis i chwe wythnos – sy'n ganlyniad ardderchog.

Gwnaed cynnydd da o ran defnyddio telefeddyginiaeth i wella gofal i gleifion â chyflyrau croen, ac ar wneud yr achos dros ganolfan strôc ranbarthol gynhwysfawr.

Hefyd, rydym wedi cynorthwyo creu achos i wella gofal, canlyniadau a phrofiadau i gleifion canser ar draws De Orllewin Cymru. Cymeradwywyd hyn gan Fwrdd Iechyd Prifysgol Bae Abertawe (BIPBA) a Bwrdd Iechyd Prifysgol Hywel Dda (BIPHDD) ym mis Ionawr 2023.

Rydym bob tro yn awyddus i fod yn rhan o waith sy'n gwella lles ein poblogaeth felly mae'n bleser gennym weithio gydag Iechyd Cyhoeddus Cymru i gyflawni Asesiad o Anghenion Iechyd ac Asesiad o'r Effaith ar Iechyd. Bydd hyn yn diweddarau'r cynllunio a'r datblygu ar gyfer Bargaen Ddinesig Campysau Gwyddorau Bywyd, Lles a Chwaraeon.

Yn olaf ond nid yn lleiaf yw'r gwaith rydym wedi bod yn ei wneud yn y gwagle dysgu ac arloesedd sy'n ysbrydoledig iawn. Mae ennill achrediad ar gyfer ein Rhaglen Datblygu Arweinyddiaeth Uwch a arweinir gan Brifysgol Abertawe, a gweld y manteision gwirioneddol i gleifion a staff sy'n cael eu darparu gan brosiectau newid myfyrwyr, wedi bod yn wych.

Bu ARCH yn hapus i arwain y digwyddiad Hac Gofal Cymdeithasol cyntaf, lle bod pobl sy'n gweithio yn y gwasanaeth yn creu datrysiadau posibl i heriau a'u rhoi ar waith.

Hefyd, rydym wedi dechrau gwaith ar y Strategaeth Arloesedd ac Ymchwil ARCH gyntaf i osod ein dull rhanbarthol o ran ategu arloesedd ac ymchwil.

Mae gennym bortffolio uchelgeisiol, a braint yw gweithio gyda'n partneriaid i gyflawni dull cydgysylltiedig i helpu i leddfu'r pwysau ar ein gwasanaethau iechyd a gofal, i gryfhau ein gweithluoedd a sbarduno economi gwyddor bywyd fywiog



SIÔN CHARLES
Pennaeth Cynllunio Strategaeth
a Gwasanaeth, ARCH

ARCH — partneriaeth unigryw i wella iechyd, cyfoeth a lles De Orllewin Cymru

Mae ARCH yn bartneriaeth unigryw rhwng BIPHDD, BIPBA a Phrifysgol Abertawe. Hefyd mae'n ceisio gwella iechyd, cyfoeth a lles rhanbarth De Orllewin Cymru. Wedi'i ffurfio yn 2015, mae rhanbarth ARCH yn cwmpasu awdurdodau lleol Ceredigion, Sir Benfro, Sir Gaerfyrddin, Castell-nedd Port Talbot ac Abertawe.

Mae gennym bortffolio o raglenni rhanbarthol o waith a phrosiectau unigol sy'n cael eu harwain gan uchelgeisiau strategol ein sefydliadau partner. Mae hyn yn cael ei danegu gan bolisi 'Cymru Iachach' Llywodraeth Cymru.

Rydym yn anelu at gyflawni newid ystyrion i gefnogi'r boblogaeth leol. Elfen allweddol o Bartneriaeth ARCH yw gweithio ar y cyd ag awdurdodau lleol a diwydiant fel rhan o Fargen Ddinesig Bae Abertawe. Mae hyn yn fuddsoddiad o £1.3bn a ddyfarnwyd gan lywodraeth y DU i gyflawni naw rhaglen waith a chreu mwy na 9,000 o swyddi.

By working together, ARCH partners are:

- **Gwella iechyd ein cymunedau**, gan leihau anghydraddoldebau a grymuso ac ennyn hyder ymhlith y boblogaeth i reoli eu hiechyd a'u lles eu hun

- **Cydnabod a goresgyn heriau** gofal iechyd gwledig a threfol
- **Cyflawni seilwaith a gwasanaethau** sydd wedi'u hadnabod am eu rhagoriaeth
- **Defnyddio technoleg i gyflawni gwasanaethau** a gwybodaeth arloesol sy'n cefnogi Gofal Iechyd Darbodus
- **Trawsnewid gwasanaethau fel eu bod nhw'n integredig**, yn hawdd eu cyrchu a'u llywio gyda'r sector iechyd, darparwyr gofal cymdeithasol, y sector cyhoeddus, y sector preifat a'r trydydd sector yn cydweithio er ein cymunedau
- **Annog capasiti GIG Cymru i arloesi** a throsi syniadau er budd economaidd y rhanbarth
- **Creu a chefnogi amgylcheddau arloesi agored** lle bod gwyddoniaeth, arfer a mentergarwch ar flaen y gad yn cael eu huno â'i gilydd
- **Harneisio, meithrin a mabwysiadu mentergarwch gwyddor bywyd gartref** tra hefyd yn denu arloeswyr ledled y byd
- **Creu amgylcheddau dysgu a hyfforddi amlbroffesiynol** i gefnogi'r gweithlu a gwella cyfleoedd i bobl yn Ne Orllewin Cymru.



Am ragor o wybodaeth am ARCH, ewch i'n gwefan www.arch.wales

ARCH Highlights of 2022/23

Mae ein partneriaeth ranbarthol yn canolbwyntio ar dri maes blaenoriaeth allweddol: [Trawsnewid Gwasanaethau'r GIG](#); [Addysg, Y Gweithlu a Sgiliau](#) ac [Ymchwil, Mentergarwch ac Arloesedd](#). Mae'r blaenoriaethau hyn yn alinio â gweledigaeth a chynlluniau strategol Prifysgol Abertawe, BIPBA a BIPHDD. Mae'n agenda gyffrous a fydd yn gwella iechyd, cyfoeth a lles i bobl yn Ne Orllewin Cymru, ac yn helpu i sefydlu gwasanaethau rhanbarthol cadarn, cynaliadwy ac o ansawdd. Dyma rai uchafbwyntiau o'n cynnydd a'n llwyddiant yn ystod 2022/23.

Trawsnewid Gwasanaethau'r GIG

Datblygu gwasanaeth niwrowyddorau rhanbarthol unigol i wella gofal a chymorth i gleifion

Mae cynlluniau i ddatblygu gwasanaeth niwrowyddorau rhanbarthol unigol i wella gofal a chymorth i gleifion yn camu'n nes, gyda chynlluniau yn cael eu datblygu yn ystod 2023/24. Dyma gynnydd cyffrous yn ein nod i ddarparu gofal diogel a theg ar draws rhanbarth De Orllewin Cymru. Bydd hyn yn helpu cleifion â chyflyrau niwrogyhyrol gydol oes, fel nychdod cyhyrol, i dderbyn y cymorth gorau posibl yn y gymuned ac osgoi derbyniadau di-angen i'r ysbyty.

Mae ein rhaglen waith niwroleg flaenorol (2017-2022) wedi cau ac mae rhaglen newydd wedi'i hamlinellu i fwrw ymlaen â'r gwaith sydd ei angen i symud tuag at wasanaeth unigol.

Bydd y gwaith yn adeiladu ar y llwyddiannau hyd yn hyn, gan gynnwys:

- **Ffordd newydd o weithio i wella gofal i gleifion â phen tost**, a fu'n lleihau atgyfeiriadau at yr ysbyty gan 80% ac amseroedd aros i gleifion newydd o 18 mis i chwe wythnos. Datblygwyd y llwybr gofal newydd gan BIPHDD a bu'r un dull yn cael ei weithredu yn BIPBA. Cytunwyd arno gyda Meddygon Teulu a chynigiodd fwy o arweiniad a chefnogaeth wrth reoli cleifion. Hefyd, cynhyrchodd effeithlonrwydd ar gyfer niwroleg gyffredinol, gan ryddhau lleoedd clinig ac yn helpu i leihau rhestrau aros ar gyfer cleifion epilepsi o 12 mis i bedair wythnos
- **Lluniwyd y cynllun cyflawni gwasanaeth niwrolegol rhanbarthol cyntaf** mewn partneriaeth â BIPBA a BIPHDD
- **Cytunwyd ar ddull newydd i symud y gwasanaeth i ffwrdd o ofal eilaidd** tuag at rwydwaith cefnogaeth sy'n seiliedig ar y gymuned sy'n annog hunan-reolaeth
- **Sefydlwyd tîm aml-ddisgyblaethol** rhanbarthol ar gyfer epilepsi.

Mae'r Cynllun Niwrowyddorau Rhanbarthol newydd ar gyfer 2022-2024 yn cynnwys datblygu rolau arbenigol gwell ar gyfer Niwroffisiolegwyr i'w galluogi nhw i gynorthwyo meddygon ymgynghorol a galluogi'r tîm ehangach i ddatblygu a chryfhau.

Bydd hyfforddiant yn allweddol i hyn a bydd ffisiotherapyddion yn cael eu cefnogi i weithio tuag at gymhwyster newydd o'r enw [Gwella Ansawdd mewn Gwasanaethau Ffisiolegol](#) (IQIPs).

Creu'r gwasanaeth rhanbarthol cyntaf erioed i helpu pobl â Chyflwr Niwrolegol Swyddogaethol

Mae gweledigaeth ARCH o ddatblygu a chyflawni'r gwasanaeth rhanbarthol cyntaf erioed ar gyfer Cyflyrau Niwrolegol Swyddogaethol yng Nghymru, i wella gofal i gleifion lle bynnag y maent yn byw yn rhanbarth y De Orllewin, yn parhau i fod ar y trywydd iawn.

Mae Cyflwr Niwrolegol Swyddogaethol yn gyflwr cyffredin ac anablu sy'n achosi ystod o symptomau aneglur gan gynnwys blacowts a pharlys. Ar hyn o bryd, nid oes llwybrau gofal yn eu lle i gefnogi cleifion. Hefyd mae gan lawer o staff ddiffyg gwybodaeth yn y maes arbenigol hwn sy'n arwain at oedi wrth wneud diagnosis, mynd i'r ysbyty a phractisau meddygon teulu yn aml, cefnogaeth a chanlyniadau gwael.

"Dyma gyfle cyffrous i ddatblygu'r llwybr gofal cyntaf ar sail tystiolaeth yng Nghymru, gydag ymyriadau cost-effeithiol, arloesol, cyfannol sy'n canolbwyntio ar y person wedi'i anelu at wella'r canlyniadau sy'n bwysig i bobl â chyflyrau niwrolegol swyddogaethol a'u teuluoedd."



Dyma achrediad cenedlaethol am safonau gwasanaethau ar gyfer Niwroffisioleg.

Hefyd, rydym yn edrych i ehangu'r gwasanaeth cyfredol sydd ar gael yn ardal BIPHDD a bydd staff o'r ganolfan yn Abertawe yn darparu cymorth i helpu hyn i ddigwydd, gyda'r rhanbarth yn dod yn ganolfan ragoriaeth.

Rydym wedi gweithio gyda'n partneriaid ARCH a gweithwyr proffesiynol sy'n gweithio ym maes gofal sylfaenol, eilaidd a chymunedol, i ddatblygu achos busnes sy'n manylu pwysigrwydd sefydlu gwasanaeth rhanbarthol newydd.

Bydd y gwasanaeth newydd yn cynnig gofal diogel ac effeithiol wedi'i deilwra i anghenion unigol ac yn gwella diagnosis, triniaeth a chefnogaeth.

Dywedodd Dr Tanya Edmonds, Prif Niwroseicolegydd Clinigol Ymgynghorol yn Ysbyty Treforys:

Cynnydd yn sganiau CT i gleifion â chyflyrau calon

Mae hyfforddiant i gardiolegwyr yn BIPHDD i'w galluogi i ddarparu gofal gwell a mwy effeithlon yn lleol i gleifion yr amheuir bod ganddynt gyflwr ar y galon, wedi'i gwblhau dros y 12 mis diwethaf.

Mae'r hyfforddiant, a fu'n cychwyn ym mis Medi 2022, yn galluogi cardiolegwyr i gwblhau a darllen sganiau Tomograffeg Gyfrifiadurol (CT) cardiaidd. Mae hyn yn golygu y gall mwy o sganiau cleifion gael eu gwneud a'u darllen yn lleol yn hytrach na chael eu hanfon i'r Ganolfan Gardiaidd yn Ysbyty Treforys, Abertawe.

Wedi i'r hyfforddiant ei gwblhau, bu'r nifer o Gardiolegwyr â chymhwyster sgan CT yn BIPHDD yn cynyddu o ddau i bump. Yn ei dro, bydd hyn yn cynyddu'r nifer o sganiau a gynhelir yn lleol bedwarplyg ymhen cyfnod o ddwy flynedd.

Mae Dr Daniel Obaid, Athro Cysylltiol Clinigol, Ysgol Meddygaeth Prifysgol Abertawe a Chardiolegydd Ymgynghorol Anrhydeddus yng Nghanolfan Calon Rhanbarthol Treforys wedi goruchwyllo'r hyfforddiant. Meddai ef:

"Mae'r gwaith hwn o dan ARCH yn enghraifft wych o gydweithio ar draws sefydliadau gyda chyfoedion yn cefnogi ei gilydd i helpu cleifion i dderbyn eu triniaethau'n gyflymach, sydd yn ddiogelach o ganlyniad."

"Rydym yn gobeithio gwneud yr hyfforddiant eto gyda charfan arall hwyrach yn y flwyddyn a chefnogi BIPHDD i gyflawni eu huchelgeisiau am y gwasanaeth."



Datblygu Gwasanaeth y Genau a'r Wyneb cynaliadwy ar draws De Orllewin Cymru

Mae ein cynlluniau i ddatblygu gwasanaeth cynaliadwy a chadarn i gleifion y mae angen gofal y genau a'r wyneb arnynt wedi cymryd cam ymlaen yn dilyn gweithdy cynhyrchiol gyda chydweithwyr o Fyrddau Iechyd Hywel Dda a Bae Abertawe ym mis Ionawr 2023.

Bu'r gweithdy yn gyfle i adolygu'r gwasanaeth cyfredol, trafod datrysiadau rhanbarthol a dysgu o wasanaeth llawdriniaeth ar y geg canolraddol teilwng ym Mhowys.

Trafododd dirprwyon ffyrdd o wella llif cleifion ac amseroedd aros, a chamau

gweithredu a allai helpu i sicrhau gweithlu cadarn a chynaliadwy.

Dywedodd Craige Wilson, Dirprwy Brif Swyddog Gweithredu, BIPBA:

"Pwrrpas yr adolygiad llwybrau y genau a'r wyneb yw sicrhau bod cleifion ledled rhanbarth De Orllewin Cymru yn derbyn mynediad teg i wasanaeth diogel o ansawdd uchel a ddarperir gan y clingwr mwyaf priodol ar y pwynt cyflawni cywir."

Gwella gofal i gleifion Dermatoleg

Mae'r gwaith i ddatblygu gwasanaeth dermatoleg rhanbarthol i Dde Orllewin Cymru wedi parhau i gyflymu.

Mae gwasanaeth teledermosgopi llawn bellach yn rhedeg yn BIPBA yn dilyn cynllun peilot llwyddiannus. Mae'r gwasanaeth yn canolbwyntio ar dynnu lluniau clinigol o ansawdd uchel o newidiadau i'r croen y gellir eu cyrchu o bell gan ddermatolegydd ymgynghorol ar gyfer asesiad diagnostig. Mae'r ffordd newydd o weithio yn ceisio osgoi cleifion rhag dod i apwyntiadau cleifion allanol wyneb yn wyneb yn ddiangen a bydd yn darparu gofal yn agosach at gartref. Mae hyn wedi helpu i leihau rhestrau aros ac wedi gwella profiad y claf.

Lansiwyd ail gynllun peilot yn BIPHDD ym mis Medi 2022 a chytunwyd ar gyllid i wneud hwn yn wasanaeth sylweddol. Yn y cynllun peilot hwn, aseswyd 251 o gleifion gydag atgyfeiriadau briwiau croen gan ddefnyddio teledermosgopi. Arweiniodd hyn at 58% o gleifion yn cael eu rhyddhau yn uniongyrchol, gan fod ganddynt friwiau anfalaen neu gyflyrau y gellir eu rheoli yn y gymuned.

Dywedodd Dr Ausama Atwan, Dermatolegydd Ymgynghorol i Fwrdd Iechyd Prifysgol Aneurin Bevan ac Arweinydd Clinigol Cenedlaethol ar gyfer Teledermosgopi:

"Mae angen am wasanaeth diagnostig effeithiol a diogel fel y gall y rheini â chyflyrau anfalaen gael sicrwydd heb orfod dod i apwyntiad ysbyty, a bod y rhai y mae angen rheolaeth frys gan arbenigwyr arnynt yn cael eu cyfeirio at y llwybr priodol mewn modd amserol."

"Mae'r rhaglen deledermosgopi yn fodel gwasanaeth sy'n anelu i gyflawni'r nodau hyn. Mae'r rhaglen, sydd wedi'i hariannu gan Wella ac Adfer ar gyfer Gofal wedi'i Gynllunio, bellach yn weithredol yn y rhan fwyaf o Fyrddau Iechyd Cymru a'r nod yw gweithredu'r gwasanaeth ledled Cymru gyfan erbyn mis Mawrth 2024."



Cynllunio Canolfan Strôc Ranbarthol Gynhwysfawr ar gyfer De Orllewin Cymru

Mae tîm ARCH wedi bod yn brysur yn drafftio achos busnes sy'n amlinellu'r adnoddau sydd eu hangen i ddylunio a gweithredu Canolfan Stôc Ranbarthol Gynhwysfawr ar gyfer rhanbarth De Orllewin Cymru.

Mae Canolfan Stôc Ranbarthol Gynhwysfawr yn ganolfan strôc ranbarthol ganoledig sy'n cynnig delweddu arbenigol, thrombolysis, asesu ac atgyfeirio, a gwelyau Strôc Hyper Aciwat.

Mae'r achos busnes yn tynnu sylw at y buddsoddi sydd ei angen ym mhob ardal

o'r gweithlu strôc ac yn disgrifio sut y gellid gweithredu hyn dros dair blynedd.

Ar y cyd â hyn, mae rhaglen strôc ranbarthol hefyd wedi'i datblygu a bydd yn cael ei darparu ar yr un pryd.

Mae gwaith wedi dechrau i ymchwilio i ofynion y gwasanaeth a'r ganolfan. Bydd hyn yn cael ei rannu â chleifion a staff i alluogi defnyddwyr y gwasanaeth i fynegi eu barnau a siapio'r datblygu i sicrhau ei fod yn diwallu eu hanghenion.

Gwaith ar y trywydd iawn i drawsffurfio gwasanaethau patholeg rhanbarthol

Mae ein nod i drawsffurfio gwasanaethau patholeg rhanbarthol yn parhau i fod ar y trywydd iawn, ac mae disgwyl i achos busnes bras gael ei gyflwyno ddiwedd 2023.

Bydd y prosiect yn creu gwasanaeth rhanbarthol unigol, gan gynnwys datblygiad o Ganolfan Ragoriaeth newydd ar gyfer Gwasanaethau Patholeg ar safle Ysbyty Treforys, gan integreiddio'r datblygiadau technolegol diweddaraf, gan gynnwys deallusrwydd artifisial.

Dros y 12 mis diwethaf, datblygwyd dyluniadau a chostau. Mae'r tîm prosiect hefyd wedi ymweld â safleoedd eraill ledled y DU i roi gwybod am ddatblygiad y cyfleuster newydd cyffrous hwn.

Bydd yr adeilad yn amnewid cyfleusterau hen ffasiwn ar safleoedd presennol a chynnig ffocws i gyflawni gwasanaethau, arloesedd ac ymchwil, a hyfforddiant. **Dywedodd Neil Miles,** Cyfarwyddwr Rhaglen:

"Mae'n bleser gennyf weithio gydag ystod mor eang o weithwyr proffesiynol brwdfrydig ac ymrwymedig i wella a moderneiddio gwasanaethau patholeg yn Ne Orllewin Cymru. Mae gennym gyfleu rhagorol i ddarparu technoleg flaenger a lefelau o gyflawni gwasanaethau i'n rhanbarth drwy ein rhwydwaith arfaethedig o wasanaethau gan gynnwys y Ganolfan Ragoriaeth ar safle Treforys."



Datblygu Canolfan Ganser De Orllewin Cymru a thrawsffurfio gwasanaethau cancer rhanbarthol

Cymeradwywyd cynllun manwl i wella gofal, canlyniadau a phrofiadau ar gyfer cleifion cancer ar draws De Orllewin Cymru gan BIPHDD a BIPBA ym mis Ionawr 2023.

Mae'r Achos Rhaglen Strategol yn adeiladu ar y weledigaeth a nodwyd gan ARCH yn ei Strategaeth Oncoleg Anfeddygol yn 2018, i 'ddarparu'r gofal cancer gorau posibl i bobl De Orllewin Cymru' a chynlluniau clinigol lleol.

Mae'n darparu fframwaith ar gyfer datblygu a chyflawni gwasanaethau cancer anfeddygol (radiotherapi a chleifion allanol) i gwrdd â'r galw cynyddol am driniaeth, gwella mynediad i wasanaethau o ansawdd uchel a gofal mwy effeithlon ac effeithiol.

Wrth i ddiagnosisau cancer newydd gynyddu gan 25% ers 2002, yn bennaf oherwydd poblogaeth sy'n heneiddio a diagnosis cynharach, mae'n hanfodol bod yna capasiti i ddarparu gofal i ddiwallu anghenion cleifion a bodloni'r galw am dechnolegau a thriniaethau newydd.

Mae'r Achos Rhaglen Strategol yn anelu i ddarparu Canolfan Ganser De Orllewin Cymru a gwasanaethau cancer rhanbarthol sy'n addas at y diben a fydd yn:

- **Gwella canlyniadau iechyd** i bobl â diagnosis o ganser
- **Lleihau amseroedd** aros am driniaeth
- **Cynyddu capasiti** i ateb y galw cynyddol am wasanaethau
- **Darparu mynediad teg** i gleifion ar draws y rhanbarth
- **Darparu gwasanaeth cancer o ansawdd uchel** sydd â mynediad i offer diagnostig a therapiwtig cyfoes.

Caiff hyn ei alluogi gan ddatblygu gweithlu mwy cynaliadwy, gwella seilwaith digidol a sicrhau bod y gwasanaeth yn cael ei ategu gan yr ymchwil gorau.

Dywedodd Dr Daniel Warm, Pennaeth Cynllunio i BIPHDD a chyd-gadeirydd y Grŵp Rhaglen Strategol Rhanbarthol:

"Mae cymeradwyo'r Achos Rhaglen Strategol gan y ddau Fwrdd Iechyd yn gam sylweddol ymlaen o ran gwreiddu gweledigaeth Canolfan Ganser De-orllewin Cymru. Fodd bynnag, rydym yn gwybod bod llawer i'w wneud o hyd, a'r nod dros y flwyddyn nesaf yw cychwyn datblygiad yr achosion busnes a fydd yn cyflawni'r newidiadau yr ydym am eu gweld o ran cefnogi ein gwasanaethau oncoleg anfeddygol rhanbarthol ar gyfer poblogaeth De Orllewin Cymru."



Datblygu Addysg, Y Gweithlu a Sgiliau

Mae Rhaglen Ddatblygu Uwch Arweinyddiaeth ARCH yn darparu buddion go-iawn i gleifion a staff gofal iechyd

Roedd hi'n flwyddyn gyffrous i Raglen Ddatblygu Uwch Arweinyddiaeth ARCH wrth iddi symud o ddysgu a hyfforddi i gyflawni prosiectau newid sydd wedi gwneud gwir gwahaniaeth i gleifion a staff gofal iechyd ar draws rhanbarth De Orllewin Cymru.

Mae'r rhaglen yn dod ag arbenigwyr o'r radd flaenaf o feysydd iechyd, gofal ac academia at ei gilydd i greu cymuned ddysg gyda'r nod o ddatblygu uwch arweinwyr a chlinigwyr o ran sgiliau gwella ansawdd gofal iechyd. Mae'r rhaglen yn cwmpasu ystod o bynciau gan gynnwys arweinyddiaeth, strategaeth, arloesedd a rheoli risgiau. Fe'i cyflawnir drwy gyfuniad o weithdai rhyngweithiol, sesiynau a arweinir gan arbenigwyr, cymunedau arfer a hyfforddiant unigol.

Bu'r rhaglen 18 mis yn croesawu ei charfan gyntaf ym mis Mai 2022, ac mae sesiynau wedi canolbwyntio ar reoli llif cleifion, delio ag ôl-groniadau a rheoli newid. Mae sawl prosiect eisoes wedi gweithredu a chyflawni buddion sylweddol.

Yn arbennig, mae dau brosiect Ymddiriedolaeth GIG Gwasanaethau Ambiwlans Cymru wedi gwella amseroedd trosglwyddo mewn gofal brys a rheoli cleifion sydd angen gofal lliniarol.

Dywedodd yr Athro Nick Rich o Ysgol Reolaeth Prifysgol Abertawe, sy'n helpu i gyflawni'r Rhaglen:



"Sefydlwyd y rhaglen bartneriaeth hon mewn adeg o angen mawr ac mae ymdrechion cyfunedig pob sefydliad sy'n cymryd rhan yn gwneud cynnydd go-iawn o ran diwallu heriau presennol y GIG, gan gynnwys sut yr ydym yn datblygu staff ac arloesi prosesau. Gwych oedd gweld y tîm yn gwneud cynnydd sylweddol yn yr hyfforddiant a chefnogi prosiectau newid sy'n cyflawni buddion go-iawn i gleifion a staff yn y rhanbarth. Dw i methu aros i weld pa welliannau pellach y gellir eu gwneud."

Datblygwyd Rhaglen Ddatblygu Uwch Arweinyddiaeth ARCH gydag Academi Dysgu Dwys Cymru Gyfan ar gyfer Arloesi mewn Iechyd a Gofal Cymdeithasol, AgorIP, Academi Sgiliau STEM Cymru Prifysgol Abertawe a Chyfadrann Meddygaeth, Iechyd a Gwyddorau Bywyd Prifysgol Abertawe.

Ar sail llwyddiant y garfan hon, bydd y rhaglen yn recriwtio'r ail garfan o uwch arweinwyr dros yr haf, fel y gellir dechrau lledaenu buddion y cynllun peilot i fwy o dimau a grwpiau cleifion.



Am fwy o wybodaeth, e-bostiwch Sophie.marr@wales.nhs.uk



Mae Rhaglen Ddatblygu Uwch Arweinyddiaeth ARCH yn ennill achrediad gan ddiolch i Academi Dysgu Dwys Cymru Gyfan ac ARCH

Mewn newyddion arall am Raglen Ddatblygu Uwch Arweinyddiaeth ARCH, mae'n bleser gennym gyhoeddi bod y rhaglen wedi ennill achrediad Datblygiad Proffesiynol Parhaus (DPP).

Bu ARCH yn gweithio'n agos gydag Academi Dysgu Dwys Cymru Gyfan ar gyfer Arloesi mewn lechyd a Gofal Cymdeithasol er mwyn ennill yr achrediad ar gyfer y rhaglen – sydd wedi cael 30 pwynt DPP.

Mae'r llwyddiant yn dangos bod y rhaglen wedi bodloni'r safonau llym a osodwyd gan

y gymuned datblygu proffesiynol a'i bod wedi alinio ag arferion gorau o ran datblygu arweinyddiaeth. Mae'r achrediad hefyd yn rhoi sicrwydd i gyfranogwyr y bydd y rhaglen yn eu helpu i gynnal a gwella eu cymwyseddau proffesiynol a chael eu cydnabod gan eu corff proffesiynol.

Dywedodd Dr Roderick Thomas, Cyfarwyddwr Rhaglen MSc o Academi Dysgu Dwys Cymru Gyfan, sydd wedi'i lleoli yn Ysgol Reolaeth Prifysgol Abertawe:

"Mae'r gydnabyddiaeth hon yn dystiolaeth o ymrwymiad y tîm sydd y tu ôl i'r Rhaglen Ddatblygu Uwch Arweinyddiaeth a'r effaith iddi gael ar ddatblygiad proffesiynol uwch arweinwyr ar draws y sector iechyd a gofal. Mae'r Academi Dysgu Dwys yn falch o chwarae rhan yn natblygiad proffesiynol gymaint o uwch arweinwyr ac rydym yn edrych ymlaen at barhau i'w cefnogi yn eu taith tuag at ragoriaeth o ran arweinyddiaeth."



Academi Iechyd a Gofal ar sail Gwerthoedd

Mae partneriaid yn ARCH wedi gweithio'n agos gyda'r Academi Iechyd a Gofal ar sail Gwerthoedd dros y 12 mis diwethaf ym mhob un o'i thri phrif faes: addysg; ymchwil; ac ymgynghoriaeth.

Wedi'i lansio ddwy flynedd yn ôl, mae'r Academi Iechyd a Gofal ar sail Gwerthoedd yn un o bedair Academi Dysgu Dwys yn Rhaglen Arloesedd, Technoleg a Phartneriaeth Llywodraeth Cymru. Mae gan yr Academi ragolwg a chyrhaeddiad byd-eang ac yn gweithio ar draws Cymru gyfan hefyd, gan gyflawni Addysg Weithredol, MSc mewn Rheolaeth Uwch mewn Iechyd a Gofal (ar sail Gwerthoedd) sydd wedi'i ddylunio at ddiben a Doethuriaeth mewn Gweinyddiaeth Busnes.

Yn 2022/23, gweithiodd yr Academi yn agos gyda BIPHDD a BIPBA ar sawl menter gan gynnwys y canlynol:

- **Croesawu staff o'r ddau Fwrdd Iechyd fel myfyrwyr** ar y rhaglenni MSc Addysg Weithredol rhan-amser a Doethuriaeth mewn Gweinyddiaeth Busnes rhan-amser, a fydd yn adeiladu capasiti o fewn ARCH i fabwysiadu egwyddorion ar sail Gwerthoedd mewn gwasanaethau clinigol newydd a chyfredol

- **Cyd-greu a chyflwyno rhaglenni addysg pwrpasol** ar gyfer uwch reolwyr corfforaethol BIPHDD a Rhaglen Ymarferydd uwch ar gyfer rheolwyr gweithredol a chlinigwyr. Bydd hyn yn rhedeg i 2023/24 ac yn ategu'r prosiectau Iechyd a Gofal ar sail Gwerthoedd y maent yn eu rheoli
- **Dylunio ac adeiladu modiwl e-ddysgu gyda Bae Abertawe** am Fesurau Canlyniadau a Adroddir gan Gleifion sy'n adeiladu at raglen e-ddysgu Cyflwyniad i Iechyd a Gofal ar sail Gwerthoedd. Aeth y ddau gwrs hyn yn fyw ym mis Mawrth 2023 ac maent ar gael i bawb, unrhyw le yn y byd, gan gynyddu dealltwriaeth ac yn rhoi De Orllewin Cymru ar y map
- **Gwerthuso gwerth ategion digidol, mewn partneriaeth â Tritech, Dr Ffion John a Chlwstwr Gogledd Ceredigion,** wrth drin cleifion â phoen parhaus, gan helpu i sicrhau cyllid ac adnoddau gan ein partner Pfizer UK a hefyd Patients Know Best™.

Dywedodd yr Athro Hamish Laing, Cyfarwyddwr yr Academi Iechyd a Gofal ar sail Gwerthoedd:

"Rwy'n hynod falch o sut mae ein partneriaid yn ARCH yn dechrau arwain y ffordd yng Nghymru ar lechyd a Gofal ar sail Gwerthoedd, achos mae'n hanfodol i wneud ein system iechyd yn gynaliadwy."



Cefnogi Ymchwil, Mentergarwch ac Arloesedd

Prosiect Bargen Ddinesig Gwyddorau Bywyd, Lles a Champysau Chwaraeon

Mae ARCH yn falch o fod yn bartner allweddol ym mhrosiect Campysau Bargen Ddinesig Bae Abertawe sy'n gwneud cynnydd da yn ei datblygiad iechyd a chwaraeon sy'n torri tir i Abertawe.

Mae'r prosiect wedi cymryd cam mawr ymlaen trwy benodi rheolwyr pensaer a phrosiectau. Mae ymgynghoriaeth pensaer ac adeiladu AHR wedi cael ei henwi fel y cynigydd llwyddiannus cyn lansio cam un y prosiect.

Disgwylir i AHR gwblhau'r cynllunio datblygu a rheoli'r broses gynllunio a'r cais. Disgwylir i'r dyluniad gael ei gwblhau erbyn diwedd haf 2023. Disgwylir y bydd yr adeiladu yn cychwyn yng ngwanwyn 2024 ac yn dod i ben erbyn diwedd 2025.

Bydd y datblygiad yn creu amgylchedd sy'n meithrin arloesedd rhwng gwyddorau bywyd, iechyd, lles a chwaraeon, yn cryfhau safle Cymru yn arweinydd yn y sector hwn.

I gyd-fynd â'r cynlluniau i ehangu gwasanaethau yn Ysbyty Treforys, mae uwch arweinwyr iechyd yn archwilio llwybrau ar gyfer ffordd newydd o'r M4 i'r ysbyty. Bydd hyn yn creu gwell hygyrchedd i ac o Ysbyty Treforys a fydd yn alinio gwasanaethau iechyd, sgiliau ac addysg yn well, ac ymchwil a datblygiad ym maes gwyddorau bywyd ar draws y rhanbarth.

Dywedodd yr Athro Steve Bain, Cyfarwyddwr Meddygol Cynorthwyol ar gyfer Ymchwil a Datblygu i BIPBA:

"Bydd y gwaith adnewyddu yn Ysbyty Treforys yn ei sefydlu fel enghraifft fyd-eang o arfer gorau ar gyfer gofal iechyd trwy gynnwys cydweithrediad masnachol ac academiaidd gydag ymchwil a datblygu clinigol, tra'n hwyluso mynediad i dechnoleg a thechnegau cyfoes."



Gallwch ddarllen mwy am brosiect Campysau Bargen Ddinesig Bae Abertawe yma.



Strategaeth Arloesedd ac Ymchwil ARCH

Ar hyn o bryd mae ARCH yn datblygu Strategaeth Arloesedd ac Ymchwil i nodi ein hymagwedd at gefnogi arloesedd ac ymchwil ar draws y rhanbarth. Bydd y strategaeth yn diffinio'r weledigaeth gyffredin rhwng partneriaid ARCH ynghyd ag alinio strategaethau arloesi ac ymchwil lleol a chenedlaethol.

Gwnaed gwaith i adolygu strategaethau gan BIPHDD, Prifysgol Abertawe, Prifysgol Cymru y Drindod Dewi Sant a Llywodraeth Cymru, gyda nifer o themâu cyffredin wedi'u dadansoddi.

Mae cyfres o wyth gweithdy hefyd wedi'u cynnal gydag arloeswyr ac

ymchwilwyr i wrando ar eu barn a thrafod sut y gallwn gydgyhyrchu ein hymagwedd at ymchwil ac arloesiadau i ysgogi newid a gwella canlyniadau iechyd i boblogaeth De Orllewin Cymru.

Y camau nesaf yw adolygu a dadansoddi fframwaith Llywodraeth Cymru ar gyfer Ymchwil a Datblygu'r GIG a Strategaeth Ymchwil, Datblygu ac Arloesi BIPBA ar ôl ei chyhoeddi. Bydd hyn yn ein helpu i ddiweddarau ein strategaeth yr ydym yn bwriadu ei chyhoeddi ym mis Hydref 2023.

Dywedodd Siôn Charles, Pennaeth Cynllunio a Strategaeth ARCH:

"O ran arloesi ac ymchwil, mae maint yn bwysig. Mae'r strategaeth ARCH hon yn gyfle cyffrous i ffurfioli ein dull cyfunol o gydlynw ein hasedau ac adnoddau arloesi ac ymchwil rhanbarthol er mwyn cystadlu'n fwy effeithiol ar raddfa fyd-eang."



Asesiadau o Anghenion Iechyd ac Asesiadau o'r Effaith ar Iechyd

Mae tîm ARCH wedi dechrau gweithio ar Asesiadau o Anghenion Iechyd ac Asesiadau o'r Effaith ar Iechyd ar gyfer Prosiect Campysau Gwyddorau Bywyd, Llesiant a Chwaraeon Bargen Ddinesig Bae Abertawe.

Bydd yr Asesiad o'r Effaith ar Iechyd yn cael ei lywio gan drafodaethau a safbwyntiau gan randdeiliaid allweddol, gan gynnwys aelodau'r cyhoedd, i sicrhau bod unrhyw argymhellion yn cael eu llywio gan y sylfaen dystiolaeth ac angen lleol.

Mae grŵp rhanbarthol gyda chynrychiolwyr o Dimau Iechyd Cyhoeddus Lleol BIPBA a

BIPHDD a Phrifysgol Abertawe wedi'i sefydlu a chytunwyd ar gynllun. Mae Asesiadau blaenorol o Anghenion Iechyd ac Effaith ar Iechyd wedi'u nodi, a fydd yn llywio ein gwaith, ac mae Prif Ymarferydd Iechyd Cyhoeddus ARCH wedi'i benodi i arwain y gwaith o fis Ebrill 2023.

Bydd canfyddiadau ac argymhellion Asesiadau o Anghenion Iechyd ac Effaith ar Iechyd ARCH yn nodi gofynion iechyd a lles ein poblogaeth ranbarthol. Bydd hefyd yn llywio'r blaenoriaethau iechyd a lles ar gyfer Strategaeth Arloesi ac Ymchwil ARCH.

Cyfleuster Ymchwil Clinigol ar y Cyd a chydweithio cynnar gyda TriTech

Mae'r Cyfleuster Ymchwil Clinigol ar y Cyd wedi dechrau rhywfaint o waith cydweithredol cynnar gyda Sefydliad TriTech yn BIPHDD.

Bydd y prosiect ar y cyd cyntaf, a ariennir gan AMGEN, yn asesu llwybr newydd ar gyfer optimeiddio rheolaeth feddygol cleifion â chlefyd y galon a gwella diagnosis a thriniaeth.

Mae'n cael ei redeg ar draws BIPHDD a BIPBA a bydd yn golygu recriwtio 150 o gleifion.

Bydd y prosiect yn dadansoddi data presennol ym Manc Data Cyswllt Diogel Gwybodaeth Ddiennw Prifysgol Abertawe i ddatblygu systemau sy'n nodi cleifion sydd mewn perygl mawr o glefydau yn y dyfodol. Bydd hefyd yn archwilio effeithiolrwydd clinigau dan arweiniad fferyllwyr ar draws y ddau fwrdd iechyd o ran lleihau'r bwlch triniaeth, a sicrhau bod cleifion cardiofasgwlaidd risg uchel yn cael eu nodi a'u gweld gan y person cywir, yn y lleoliad cywir, ar yr adeg gywir.



Mae ail gydweithrediad ar ddiabetes gyda'r Athro Sam Rice, Cyfarwyddwr Clinigol Ymchwil a Datblygu ar gyfer BIPHDD, yn gweithio gyda thîm Cyfleuster Ymchwil Clinigol ar y Cyd i edrych ar astudiaethau clinigol o feddyginiaethau newydd mewn diabetes a gordewdra cysylltiedig.

Bydd meysydd eraill ar gyfer cydweithio yn cael eu harchwilio wrth i ni werthuso'r profiad gyda'r ddau brosiect presennol.

Dywedodd yr Athro Chris Hopkins,
Pennaeth Arloesedd a Sefydliad TriTech:

"Rydym yn gyffrous iawn i fod yn gweithio gyda'r Cyfleuster Ymchwil Clinigol ar y Cyd. Mae prosiect AMGEN yn cynnig cyfle i ni weithio ar y cyd i gefnogi gofal iechyd ar lefel leol a chenedlaethol. Mae'r bartneriaeth hon yn dangos beth all ddigwydd pan fyddwch yn dod ag ymchwil, arbenigedd clinigol a thechnoleg arloesol ynghyd er budd cleifion ar draws y rhanbarth."



Hac Gofal Cymdeithasol

Roedd yn bleser gennym gefnogi'r Hac Gofal Cymdeithasol cyntaf ym mis Mehefin 2022, a ddaeth ag arloeswyr a thimau gofal cymdeithasol at ei gilydd i ddatblygu atebion i helpu Gofal Cymdeithasol i ddatblygu atebion technolegol i heriau gweithredol sy'n arwain at wasanaethau gwell i ddinasyddion. Roedd y digwyddiad, a gynhaliwyd dros ddau ddiwrnod, yn gwahodd gweithwyr gofal cymdeithasol ac iechyd i rannu'r heriau y maent yn eu hwynebu yn eu gwaith.

Yna cafodd yr herwyr eu paru ag arloeswyr o'r sector preifat a phrifysgolion i gydweithio a datblygu datrysiad y maent yn ei gyflwyno i banel i weld a allant sicrhau cyllid cychwynnol o'r gronfa o £250,000 a ddarparwyd gan Lywodraeth Cymru. Dewiswyd chwe phrosiect fel enillwyr am eu syniadau arloesol i sicrhau manteision i ddinasyddion. Dyma oedd y prosiectau:

- **Cefnogi Cymunedau Gofalgar yn Ddigidol:** Cwmpas a Scinap – ei gwneud yn haws i ofalwyr gofrestru fel defnyddiwr dirprwyol er mwyn defnyddio gwasanaethau digidol ar ran y person y maent yn ei gefnogi
- **Nostalgify:** hybu lles trwy lens hiraethus. Mae Hafod a Phrifysgol Abertawe yn defnyddio realiti estynedig (lle mae delweddau a gynhyrchir gan gyfrifiadur yn cael eu gosod ar y byd go iawn) gydag atgofion hiraethus i wella ansawdd bywyd pobl sy'n byw gyda dementia
- **Ap Lles:** Grŵp Cynefin a Scinap – yn defnyddio offer digidol newydd i gysylltu'r tîm rheoli digwyddiadau yn uniongyrchol â chwsmeriaid a'u tîm cymorth lleol

i ddarparu cyfeiriadau wedi'u targedu at ddigwyddiadau llesiant

- **Ap Pwysau Cyffyrddol:** BIPBA a Gwrthrychedd – datblygu system olrhain synhwyrdd i ganiatáu metrigau a rhybuddion cynnar o ansymudedd (y ffactorau risg mwyaf ar gyfer briwiau pwysu) gyda phreswylwyr cartrefi gofal
- **Gweithgareddau Digidol Ymyrraeth Byw Bob Dydd:** SBUHB ac Agile Kinetic Limited – adeiladu ar ymchwil i ddatblygu offeryn i ddangos patrymau symud a ddefnyddir ar gyfer sgrinio bregusrwydd cleifion
- **Harneisio Arloesi mewn Gofal Cymdeithasol:** Hwb Cydlynw Arloesedd Rhanbarthol Gorllewin Morgannwg a Gwrthrychedd – datblygu llwyfan digidol i gysylltu arloesiadau ag anghenion pobl gan leihau dyblygu ymdrech a chynyddu adnoddau.

Mae'r Hac lechyd yn cael ei ddarparu mewn partneriaeth â Gofal Cymdeithasol Cymru, M-SParc, Hwb Gwyddorau Bywyd Cymru, Llywodraeth Cymru, Hybiau Cydlynw Arloesedd Rhanbarthol, Accelerate, Comisiwn Bevan, AgorIP, Gofal Cymdeithasol Cymru, Simply Do a MediWales, gyda chymorth ar draws gofal cymdeithasol.





Gweithio gyda TriTech i gyflwyno arloesiadau gofal iechyd

Mae ein gwaith gyda'r Sefydliad TriTech yn BIPHDD yn un o'n mentrau strategol allweddol ac roeddem yn falch o gefnogi eu cynnydd dros y flwyddyn ddiwethaf.

Sefydlwyd Sefydliad TriTech i gefnogi datblygu a gwerthuso technolegau gofal iechyd arloesol sy'n cyfrannu at ganlyniadau gwell i gleifion. Ers ei lansio ym mis Mai 2021, mae eisoes wedi sefydlu tri maes allweddol: ymchwil; gwerthuso; a chynghor.

Yn ystod 2022/23, mae wedi cyflawni'r cyflawniadau canlynol:



Ymrwymiad Partneriaeth

Llofnododd BIPHDD a Phrifysgol Abertawe Femorandwm Cyd-ddealltwriaeth, sy'n ymrwymo i bartneriaeth mewn sawl maes newydd. Mae hyn yn cynnwys gwella nifer ac amrywiaeth y treialon clinigol ar draws y rhanbarth; canolbwyntio ar dechnolegau diagnostig newydd a threialon cyffuriau masnachol; a chefnogi twf rhaglenni addysgol.

Profi Nasogastrig

Bu TriTech yn gweithio gyda NGPOD Global Ltd, a BIPBA i ddeall y gwerth a enillwyd o ddefnyddio dyfais brofi NGPOD arloesol ar gyfer cleifion sydd angen bwydo trwy'r trwyn i'r stumog.

Gwerthuswyd y gwasanaeth dros gyfnod o wyth mis i asesu'r defnydd o NGPOD mewn lleoliad byd go iawn, gan gynnwys gweithrediad y ddyfais ar y wardiau a'i heffeithiolrwydd.



Rheoli poen cleifion sy'n aros am lawdriniaeth i osod pen-glin newydd

Daeth astudiaeth glinigol newydd, arloesol i archwilio effeithiau'r defnydd o dechnoleg biodrydanol ar gyfer rheoli poen mewn cleifion sy'n aros am lawdriniaeth i osod pen-glin newydd, i ben ym mis Rhagfyr 2022. Roedd y prosiect chwe mis yn gydweithrediad rhwng Canolfan Arloesi Technolegau Cynorthwyol Prifysgol Cymru Y Drindod Dewi Sant (PCYDDS) a TriTech. Fe'i cefnogwyd gan Hwb Gwyddorau Bywyd Cymru drwy Accelerate.

Dywedodd yr Athro Chris Hopkins, Pennaeth Arloesedd a Sefydliad TriTech:

"Rydym yn gyffrous iawn i fod yn rhan o'r astudiaethau arloesol hyn a gweithio gyda phartneriaid ar draws Gorllewin Cymru. Mae'r holl brosiectau hyn yn cynnig cyfle i ddatblygu a gwella systemau i gefnogi gofal iechyd ar lefel leol a chenedlaethol. Gobeithiwn y bydd yr astudiaethau hyn yn galluogi canlyniadau cydweithredol ac arloesol, gan arwain at well iechyd i Gymru."



Eiddo Deallusol ar gyfer Arloesedd mewn Gofal Iechyd

Mae arloesi ym maes gofal iechyd yn aml yn gofyn am gydweithio â phrifysgolion neu fusnesau i gael mynediad at sgiliau, profiad, cyllid ac adnoddau eraill. Fodd bynnag, amlygwyd polisiâu Eiddo Deallusol y GIG fel rhwystrau sylweddol i arloesi a chydweithio.

Er mwyn darparu ateb i hyn, mae ARCH a Thîm Arloesedd mewn Iechyd a Gofal Llywodraeth Cymru wedi bod yn gweithio mewn partneriaeth â holl sefydliadau'r GIG yng Nghymru i ddatblygu polisi Eiddo Deallusol newydd.

Gyda chefnogaeth yr arbenigwyr Medipex a Trustech, mae'r polisi yn helpu i gymell staff i arloesi a gweithio yng Nghymru ac yn symleiddio'r broses ar gyfer diogelu a rhannu eiddo deallusol. Mae hefyd yn safoni a symleiddio trafodaethau gyda phrifysgolion a busnesau, yn cefnogi datblygiad economaidd, ac yn galluogi cyfleoedd i gynhyrchu incwm.

Y camau nesaf yw gweithio gyda Llywodraeth Cymru i gynhyrchu Cylchlythyr Iechyd Cymru a fydd yn gosod eu disgwyliadau ar gyfer mabwysiadu a defnyddio'r polisi.

Strategaeth Arloesi Llywodraeth Cymru

Roeddem yn falch o weithio gyda Llywodraeth Cymru a'i chefnogi i ddatblygu ei [Strategaeth Arloesi i Gymru](#) a gyhoeddwyd ddiwedd mis Chwefror 2023.

Mae nifer o genadaethau wrth wraidd y strategaeth newydd, gan gynnwys creu gwell swyddi, gwella gwasanaethau iechyd a gofal, amgylchedd gwyrddach ac economi fwy llewyrchus. Y nod yw, trwy gydweithio, y gall entrepreneuriaeth, arloesi a thechnolegau newydd gyrraedd pob rhan o gymdeithas. Mae'n canolbwyntio ar y canlynol:

- **Addysg:** helpu i sicrhau bod gan Gymru system addysg sy'n cefnogi datblygiad sgiliau a gwybodaeth arloesi drwy gydol bywydau pobl yng Nghymru
- **Economi:** gyrru Cymru ymlaen i fod yn genedl flaengar sy'n seiliedig ar arloesi sy'n cydweithio ar draws sectorau i gael atebion i heriau cymdeithas,

yn mabwysiadu technolegau newydd ar gyfer effeithlonrwydd a chynhyrchiant, yn defnyddio adnoddau'n gymesur, ac yn caniatáu i ddinasyddion rannu cyfoeth drwy waith teg

- **Iechyd a lles:** cefnogi iechyd a gofal cymdeithasol i gydweithio â diwydiant, y byd academiaidd a'r trydydd sector i ddarparu ffyrdd newydd o weithio sy'n sicrhau mwy o werth ac effaith i ddinasyddion
- **Yr hinsawdd a natur:** optimeiddio ein hadnoddau naturiol ar gyfer amddiffyn a chryfhau gwytnwch hinsawdd a natur

Mae'r strategaeth yn gwneud ymrwymiad cadarn y bydd Gweinidogion Cymru yn ceisio hybu buddsoddiad gan Lywodraeth y DU a thu hwnt mewn ymchwil, datblygu ac arloesi yng Nghymru.

Dyweddodd Siôn Charles, Pennaeth Cynllunio a Strategaeth ARCH:

"Mae ein cydweithrediad â Llywodraeth Cymru a byrddau iechyd eraill yng Nghymru i lunio strategaeth genedlaethol yn allweddol i'n llwyddiant yn y dyfodol. Mae'n dangos pa mor effeithiol y gallwn gydweithio yng Nghymru i gyflawni ein huchelgeisiau ar y cyd."



Cefnogi datblygiad Parth Un Pentre Awel

Mae ARCH wedi parhau i gefnogi datblygiad Pentre Awel ar draws 83 erw o dir yn ne Llanelli. O dan arweiniad Cyngor Sir Caerfyrddin, bydd yn creu seilwaith nodedig newydd yn darparu cyfleusterau ar gyfer busnes, ymchwil, addysg, gofal iechyd cymunedol, hamdden a byw â chymorth – gan sefydlu 'ecosystem' ar gyfer gwyddorau bywyd.

Ariennir y prosiect hwn yn rhannol drwy Fargen Ddinesig Bae Abertawe. Mae'r manteision yn cynnwys:

- Dros 1800 o swyddi yn cael eu creu
- Cyfleoedd addysg a hyfforddiant sy'n canolbwyntio ar iechyd
- Gwell iechyd a lles y boblogaeth ar draws pob cyfnod bywyd.

Mae Parth Un Pentre Awel wedi cymryd camau mawr yn ystod 2022/23, gan gyrraedd nifer o gerrig milltir a fydd yn darparu man lansio ardderchog ar gyfer y cyfnodau presennol a'r dyfodol. Mae nifer o ddigwyddiadau ymgysylltu â rhanddeiliaid a'r cyhoedd wedi'u cynnal i sicrhau bod cyfleoedd gwaith a buddion cymunedol yn cael eu huchafu. Roedd hyn yn cynnwys cyflwyno Rhaglen Gwerth Cymdeithasol sy'n cyflwyno mentrau wedi'u targedu ar draws buddion cymunedol megis recriwtio, hyfforddiant ac addysg.

Ym mis Mawrth 2023, coffwyd torri tir newydd ffurfiol a dechrau adeiladu gan ymweliad safle gan Ysgrifennydd Gwladol Cymru David TC Davies AS. Dilynwyd hyn gan ddigwyddiad cymunedol llwyddiannus 'Cwrdd â'r Contractwr' i ymgysylltu â thrigolion lleol a rhanddeiliaid.

Dyweddodd y Cyng. Gareth John, Aelod Cabinet Cyngor Sir Caerfyrddin dros Adfywio, Hamdden, Diwylliant a Thwristiaeth:

"Mae Pentre Awel yn dod â chyfuniad unigryw o elfennau ynghyd sy'n cwmpasu Busnes, Academia, Iechyd a Gofal ac yn hollbwysig ein cymuned; bydd pob un ohonynt yn adeiladu rhwydwaith i greu system gyfan lle gall partneriaid nodi cyfleoedd i weithio ar draws ffiniau traddodiadol. Dim ond y dechrau yw Parth 1. Cadwch lygad allan."



Edrych ymlaen at 2023/24

Rydym yn edrych ymlaen at weithio'n agos gyda'n partneriaid yn 2023/24 a pharhau i adeiladu ar a datblygu nifer o brosiectau cyffrous a fydd yn gwneud gwahaniaeth mawr i iechyd a gofal pobl ar draws De Orllewin Cymru.

Bydd ein hangerdd am Drawsnawid Gwasanaethau'r GIG yn cael ei ysgogi yn ystod y flwyddyn i ddod gan:

- Cyflwyno achos busnes amlinellol i Lywodraeth Cymru i greu Canolfan Ragoriaeth ar gyfer Gwasanaethau Patholeg
 - Creu gwasanaeth Cyflwr Niwrolegol Swyddogaethol rhanbarthol yn 2023/24 i gefnogi cleifion a darparu gofal diogel, effeithiol a theg ar draws De-orllewin Cymru
 - Dechrau'r broses achredu genedlaethol Gwella Ansawdd mewn Gwasanaethau Ffisiolegol ar gyfer safonau ymarfer mewn niwroffisioleg
 - Parhau i gynyddu capasiti ar gyfer sganio CT cardiaidd yn BIPHDD
 - Cefnogi darpariaeth un gwasanaeth rhanbarthol ar gyfer niwrowyddorau.
- Byddwn yn parhau i ddatblygu a chefnogi rhaglenni sy'n ymwneud ag Addysg, y Gweithlu a Sgiliau drwy:
- Cyflwyno Rhaglen Datblygu Arweinyddiaeth Uwch ARCH arall
 - Cefnogi nifer o gwmnïau gwyddorau bywyd byd-eang (MedTech, diagnosteg a Pharma) gyda chynigion Seiliedig ar Werth a'u hannog i ystyried ARCH yn lle delfrydol i'w gynnig i'r sector iechyd. Bydd hyn yn helpu cael technolegau pwysig i mewn i'r rhanbarth trwy rannu risgiau a gwobrau yn seiliedig ar ganlyniadau sydd o bwys i gleifion.

Bydd ein hymgyrch i gyflawni Ymchwil, Mentergarwch ac Arloesedd yn canolbwyntio ar y canlynol:

- Bydd Prifysgol Abertawe, sy'n arwain y prosiect Campysau, yn lansio ei phartneriaeth strategol allweddol gyntaf gydag Undeb Rygbi Cymru a'r Gweilch. Bydd y bartneriaeth hon wedi'i lleoli yn natblygiad Parc Chwaraeon Bae Abertawe a bydd Prifysgol Abertawe'n cynnal Canolfan Datblygu Chwaraewyr Merched Gorllewin Cymru
- Cyhoeddi Strategaeth Arloesi ac Ymchwil ARCH
- Cwblhau'r Asesiadau o Anghenion Iechyd ac Effaith ar Iechyd
- Cyflwyno Cynhadledd Strategaeth Arloesi ac Ymchwil gyntaf ARCH.

Pam mae ARCH yn gwneud gwahaniaeth



"Mae 2022/23 wedi bod yn flwyddyn y mae'r ffocws i bob un ohonom wedi symud o'r ymateb pandemig uniongyrchol i ddechrau'r broses o adferiad. Mae ARCH wedi rhoi'r gallu i ni fynd i'r afael â rhai o'r heriau adfer enfawr hyn ar draws ein rhanbarth cyfan, gan ein helpu i wella'n gyflymach er budd ein cymunedau lleol a'n cleifion."

STEVE MOORE

Prif Weithredwr, Bwrdd Iechyd Prifysgol Hywel Dda



"Mae wedi bod yn wych bod yn rhan o'r gwaith partneriaeth gyda BIPHDD a Phrifysgol Abertawe i ysgogi newid ar draws ein rhanbarth. Gan adeiladu ar Strategaeth Ymchwil, Datblygu ac Arloesi newydd BIPBA, bydd 2023/24 hyd yn oed yn well!"

MARK HACKETT

Prif Weithredwr, Bwrdd Iechyd Prifysgol Bae Abertawe



"Mae Prifysgol Abertawe yn gwerthfawrogi ei phartneriaeth â'r GIG yn fawr. Rydym yn hynod falch o'r gwahaniaeth diriaethol y gallwn ei wneud i fywydau pobl trwy ein cydweithrediadau cryf ac effeithiol ar draws addysg, datblygu'r gweithlu, ac ymchwil ac arloesi."

YR ATHRO PAUL BOYLE

Is-Ganghellor, Prifysgol Abertawe