

Value-Based Healthcare in Wales

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Disclosure

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We will discuss:

Value-Based healthcare policy in Wales

VBHC in action in Wales

VBHC and research in Wales

Wales

Population 3.2M

7 Integrated Health Boards

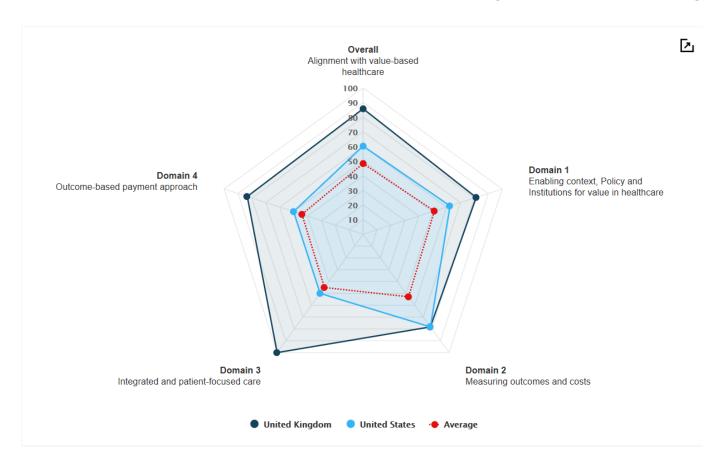
National VBHC programme and clinical lead

Standardised Patient Level Costing

3 Year plan for VBHC



VBHC "readiness" by country



Source: Economist Intelligence Unit Report http://vbhcglobalassessment.eiu.com/

Policy

Value-Based Healthcare







- Towards truly shared decisions
- Avoiding harm, including through overdiagnosis and treatment

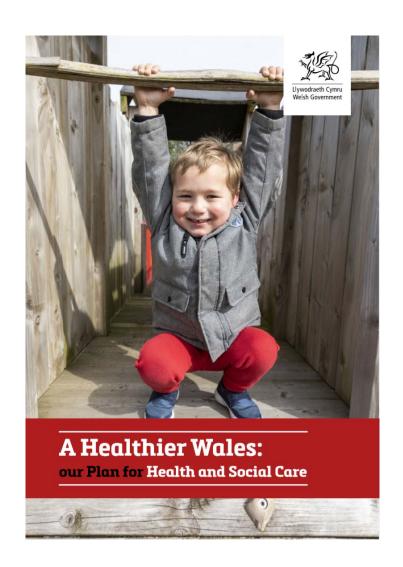
Promoting equity

Tackling unwarranted variation

Wales: a favourable environment







A Healthier Wales: our Plan for Health and Social Care (2018)

The Quadruple Aim

(4): "increase the value achieved from funding of health and care through improvement, innovation, use of best practice, and eliminating waste".

Ten Design Principles

(7): "Higher Value— achieving better outcomes and a better experience for people at reduced cost; care and treatment which is designed to achieve 'what matters' and which is delivered by the right person at the right time; less variation and harm".





VALUE = OUTCOMES / COSTS

- ✓ Total costs of care over the care cycle, and
- ✓ Outcomes that matter for the patient's condition over the care cycle.

'Have we allocated resources to different groups equitably and in a way that maximises value for the whole population?'

Sir Muir Gray

VALUE

- Between programmes
- Between systems in each programme
- Between interventions within each system

Expert Panel on Effective Ways of Investing in Health (EXPH)

A comprehensive concept built on **four** pillars:

- Appropriate care to achieve patients' personal goals (personal value)
- Achievement of best possible outcomes with available resources (technical value)
- Equitable resource distribution across all patient groups (allocative value)
- Contribution of healthcare to societal participation and connectedness (societal value)

Source: Expert panel on effective ways of investing in Health (EXPH), Defining value in "Value-Based Healthcare" http://ec.europa.eu/health/expert_panel/index_en.htm



How do we plan to generate value across a pathway of care?



Patient factors

- Raise health literacy
- Support healthy behaviours
- Support shared understanding of medicine - towards the best choices

Healthcare factors

- Decrease unwarranted variation
- Optimum positioning of drugs and devices
- Ideal population to real population
- Generalised care to personalised care
- Focus on meeting true need
- Resource allocation

Improving outcomes, improving population value in **heart failure**

Prevention

Early Optimising Supportive treatment care













Echocardiography



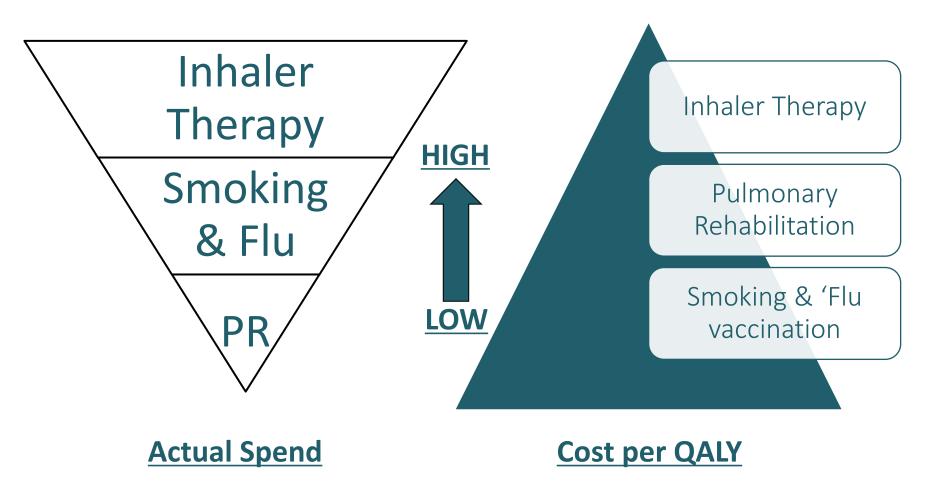
Devices







Reallocating resource for Value across a pathway of care (COPD)



The consequences of not knowing?

"Doctors are men who prescribe medicines of which they know little, to cure diseases of which they know less, in human beings of whom they know nothing."

No way of knowing objectively how people are getting on at home

Real-world clinical effectiveness unknown

Multi-morbidity effects

Patient preference and context

Clinical variation

Incomplete information /advice for people to be able to make decisions



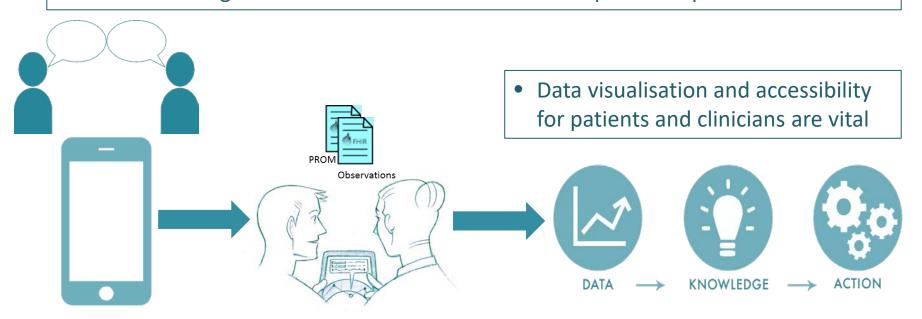
FRANÇOIS-MARIE D'AROUET "VOLTAIRE" 1694-1778

Practice

Value-Based Healthcare

Collecting patient-reported outcomes – key lessons

- Enhancing electronic communication with patients facilitates data capture
- It also enables other tasks to be completed by the patient/clinician
- This allows large scale semi-automated collection of patient-reported outcomes



Using patient-reported outcomes – key lessons

'An outcome is a milestone, endpoint or consequence which matters to a person'

Chronic disease





Individual

- Symptom tracker e.g. KCCQ
- Shared decision making
- Triggers for key conversations



Aggregated +/- adjusted Linked

- Improving through comparing
- Identifying unmet need
- Flexible approach to case load
- Identifying unwarranted variation
- Real world information



Visualisation Best Practice

Following the design principles enables the development of clean, uncluttered report pages that are easy to use and understand. Key features are highlighted below:



Proms - Heart Failure

679

04/12/2018

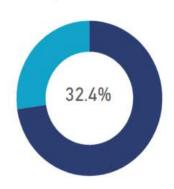
11/10/2019

Number of Records

The Patient Health Questionnaire-2 (PHQ-2)

The PHQ-2 inquires about frequency of depressed mood and anhedonia over the past 2 weeks

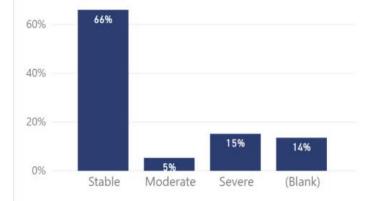
Prevalence of a significant trigger score for depression



Cardiomyopathy Questionnaire (KCCQ-12)

The KCCQ-12 inquires about how heart failure affects the patients life

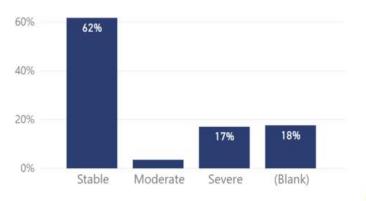
Patient reported swelling in morning



This document has been produced by NWIS.

Please contact publications@wales.nhs.uk] with any queries in respect of this report.

Patient reported sleeping sitting up





Individual Level Radar Chart representing 3 heart failure patients that responded to the Cardiomyopathy Questionnaire (Kansas City KCCQ-12)

Stable

Moderate

Social Limitation

Social Limitation

Swelling

Living with HF

Enjoyment of life

Shortness of breath

Sleep sitting up

Radar Chart Notes

The radar chart represents 3 individual patients that have been randomly selected from the PROM data based on their responses to question 2: Occurrence of leg/feet swelling, and question 5: Occurrence of being forced to sleep sitting up. 3 patients have been randomly selected and assigned to the following categories:

Stable: recorded 5 for both questions

Moderate: recorded 3 for both

questions

Severe: recorded 1 for both question.

It should be noted that a subsequent selection of patients may yield different results.

The Kansas City KCCQ-12 PROM questions have a varying number of available responses. To create the radar chart, we have had to standardise the number of responses for each question by grouping all answers into 5 groups.

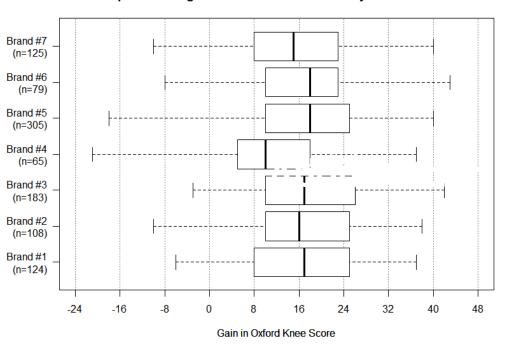
The axis has been labeled 1-5 and represents question specific responses. In general, 1 is the most negative responses a HF patient could give and 5 is the most positive.

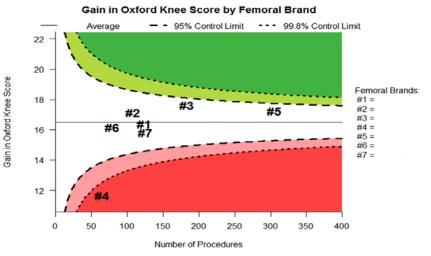
Please note that the Social Limitation and Physical Limitation categories illustrate the mean response from 3 questions in each category.

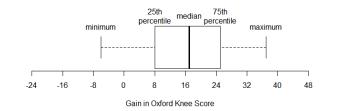
Cemented TKR Patients

Femoral brand

Boxplots of the gain in Oxford Knee Scores by Femoral Brand









Value-Based Healthcare and Industry

How does it impact on Life-Science Industries

Value-Based Healthcare and Pharma

Current state

- Business model based on medicines as a *commodity*
- Pricing is based largely on volume and discounting
- Drug budgets are being squeezed everywhere
- Sales workforce incentivised on volume and share
- Outcomes determined in (not Real World) trials prior to approval
- Outcomes in *Real World* receive less attention
- Medicines adherence is a real problem

Value-Based Healthcare and Pharma

Future state

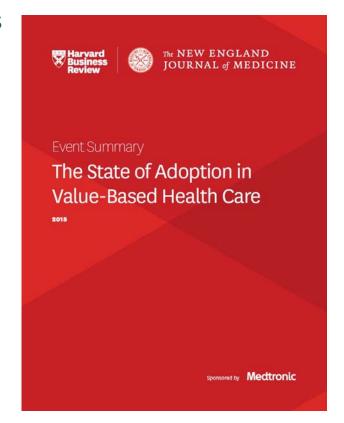
- Business model based on *value* created by medicines
- Pricing based largely on outcomes that matter
- Reimbursement mechanisms include consideration of value
- •Place of medicines in the whole pathway of care is critical: patient segmentation.
- Medicines that do not add value are not supported
- Outcomes that matter are routinely collected in Real World
- Medicines *adherence* is improved. *Digital* technologies support adherence.
- Workforce are skilled in VBHc and industry supports healthpayers understanding

Outcomes-based Pricing

Key success factors

- Shared accountability for delivering outcomes
- Measure outcomes at every stage
- Deliver value through innovation
- Create new business models and payment systems that align financial incentives to deliver value
- Capture costs across the whole pathway
- Stop doing things that don't deliver value







Our VBHC Research programme

In partnership with Pfizer

Outcomes-based pricing modelling study

Outcomes that matter in IBD (PROUD-UC)

Societal Impact of Chronic Diseases

Skills and Capabilities of Life-Science Sector

With other partners

Outcome-Based Agreements for ATMPs

Executive Education for Health, Care and the Life-Science Sector

Digital Initiatives

Family Health Passport
Centre for Doctoral Training (Computational Foundry, Swansea University)

Pricing for value: measures

Clinical Patient reported/humanistic HCRU, pathway efficiency

Outcomes-based agreements

- Is a whole new way of working
- Involves sharing of risk
- Requires trust between partners
- Needs openness and honesty about objectives
- Must be structured around getting better value for the patient, so that everyone wins







Further information about Wales

A Healthier Wales: the long-term plan for Health and Care in Wales

A healthier Wales: long term plan for health and social care | GOV.WALES

Wales National Action Plan for Value-Based Health and Care

National Action Plan - Value in Health (nhs.wales)

Value -Based Health and Care Academy

www.swansea.ac.uk/som/vbhc-academy



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