



@twitterhandle

Enabling Value Based Health Care with Data and Technology

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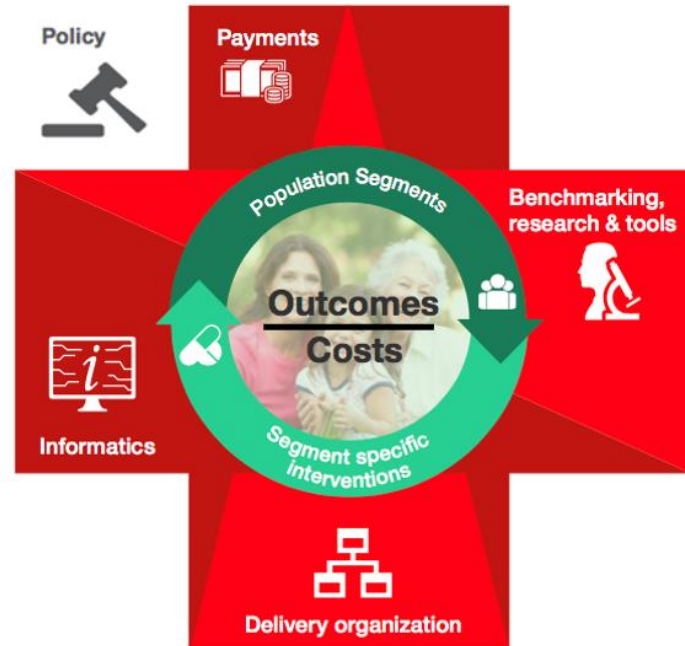




Value = patient outcomes / total cost of care

Increasing pressure on diminishing resources:

- **More people needing care** (ageing population, pandemics)
- **Economic pressures**
- **Consumer uncertainty** (AI, lack of trust)
- **Staff burnout and shortages**



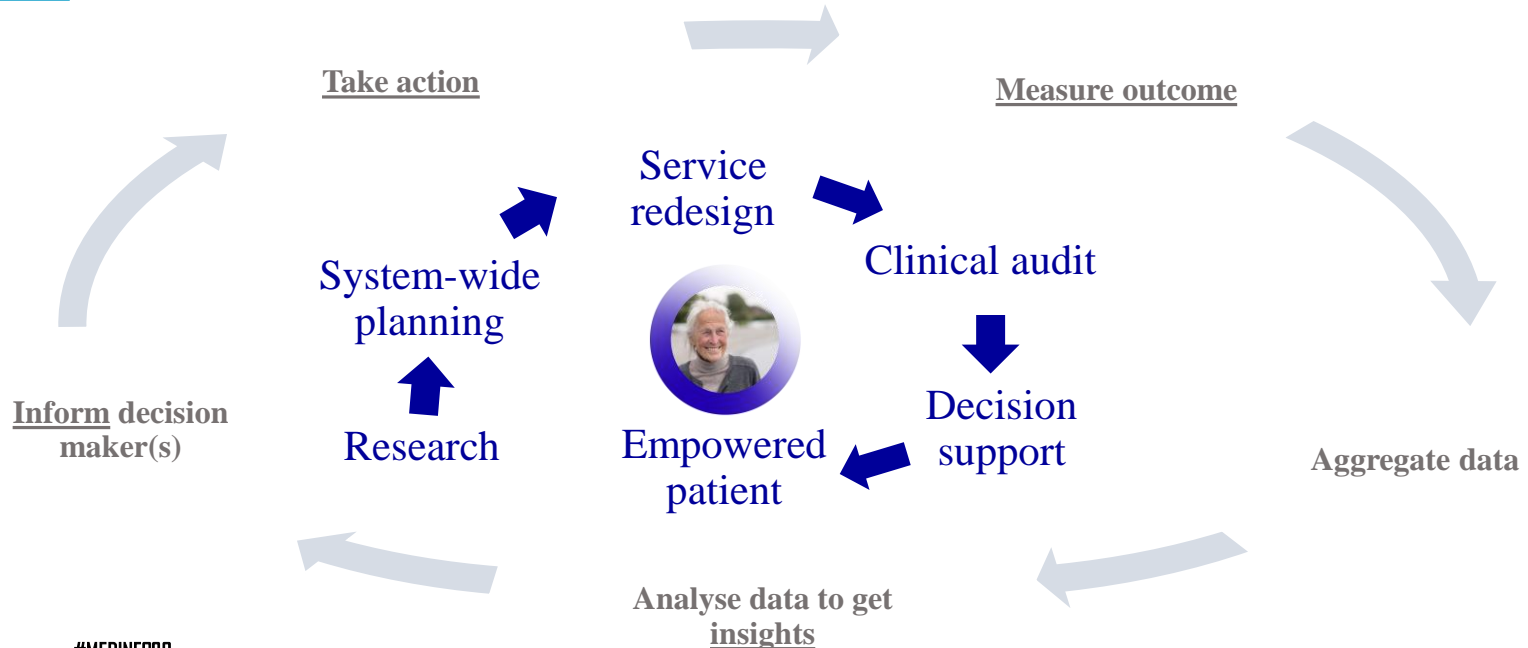


VHBC requires system wide reform

- Organise care around segments of the population
- Measure outcomes & cost for every patient
- Align reimbursement with value
- Regional delivery of routine care
- National centers of excellence
- Information technology system designed to enable VBHC

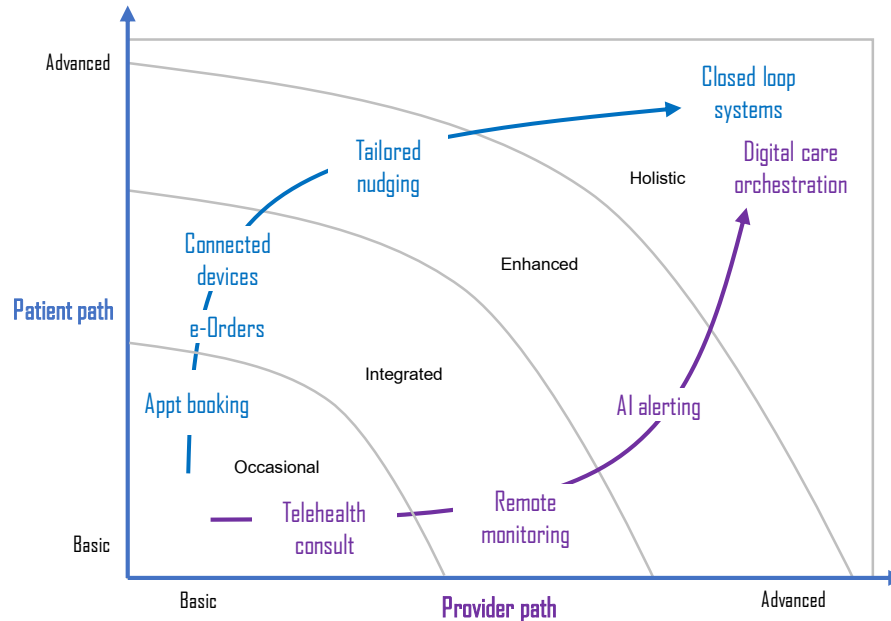


Closing the loop from insight to action





To build a holistic, connected care system



Patient path will be incentivised by value based *funding models* that encourage better outcomes for individual patients over activity – for example through primary care reforms (*voluntary patient registration*) or *private health insurance* becoming more involved in health prevention and care provision.

Provider path will be incentivised by *increasing demand* and the *need to reduce costs* within constrained budgets, for example fewer staff needed to manage larger numbers of patients. *Future pandemics* will also drive virtual care to avoid physical interaction. Value based *funding models* will accelerate virtual care models that reduce demand.



VBHC enabled by people, process and digital

- **People:** who understand patient journeys and clinical processes, data scientists, and human centric designers
- **Processes:** value based funding models, agile innovation, and continuous learning and improvement
- **Digital:** integrated data platforms, predictive analytics, robust cyber security, and fast processing



Digital and analytics targeting value

Business objectives:

↓ unnecessary admissions

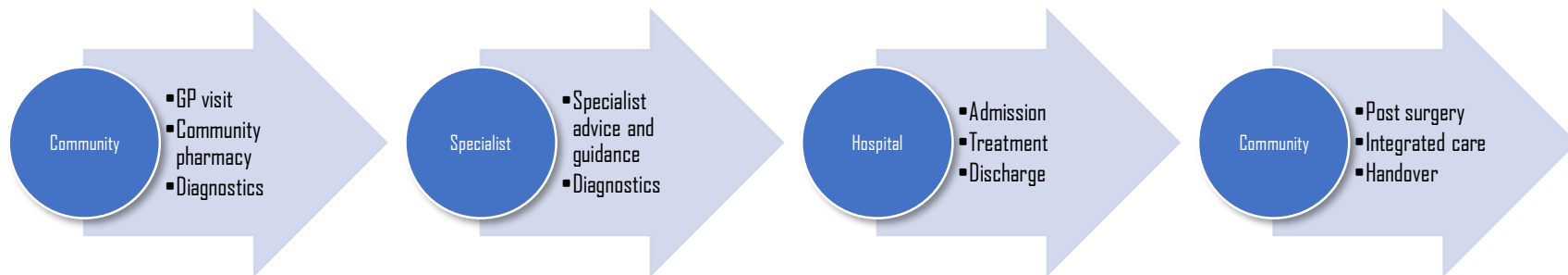
↓ length of stay

↓ readmissions

Systems of engagement (nudging, alerting, orchestrating)

Data and analytics across the cycle of care

Care applications (GP / community / referrals / pathways / virtual care / EMR etc.)



76%

reduction in length of hospital stay

44%

decrease in ED admissions



VBHC outcomes achieved

 Microsoft Azure

<3s

To search 2000 clinical documents

 consultmed

↓ 20%

Unnecessary appointments

↓ 50%

Missed appointments

 Microsoft Teams

↓ 50%

Wait times

\$1m

Savings using ML

 GLOBAL HEALTH
Connecting Clinicians and Consumers

2000+

Clinician hours saved

1500+

Administrative hours saved

↓ 77%

AI Platform Reduces
Hospital Admissions and ER
Visits

↓ 25%

Artificial Intelligence-Based
Clinical Decision Support to
Reduce Hospital
Readmissions

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Thank you!