



Adopting a Value Based Healthcare Implementation Matrix for use at Singapore General Hospital

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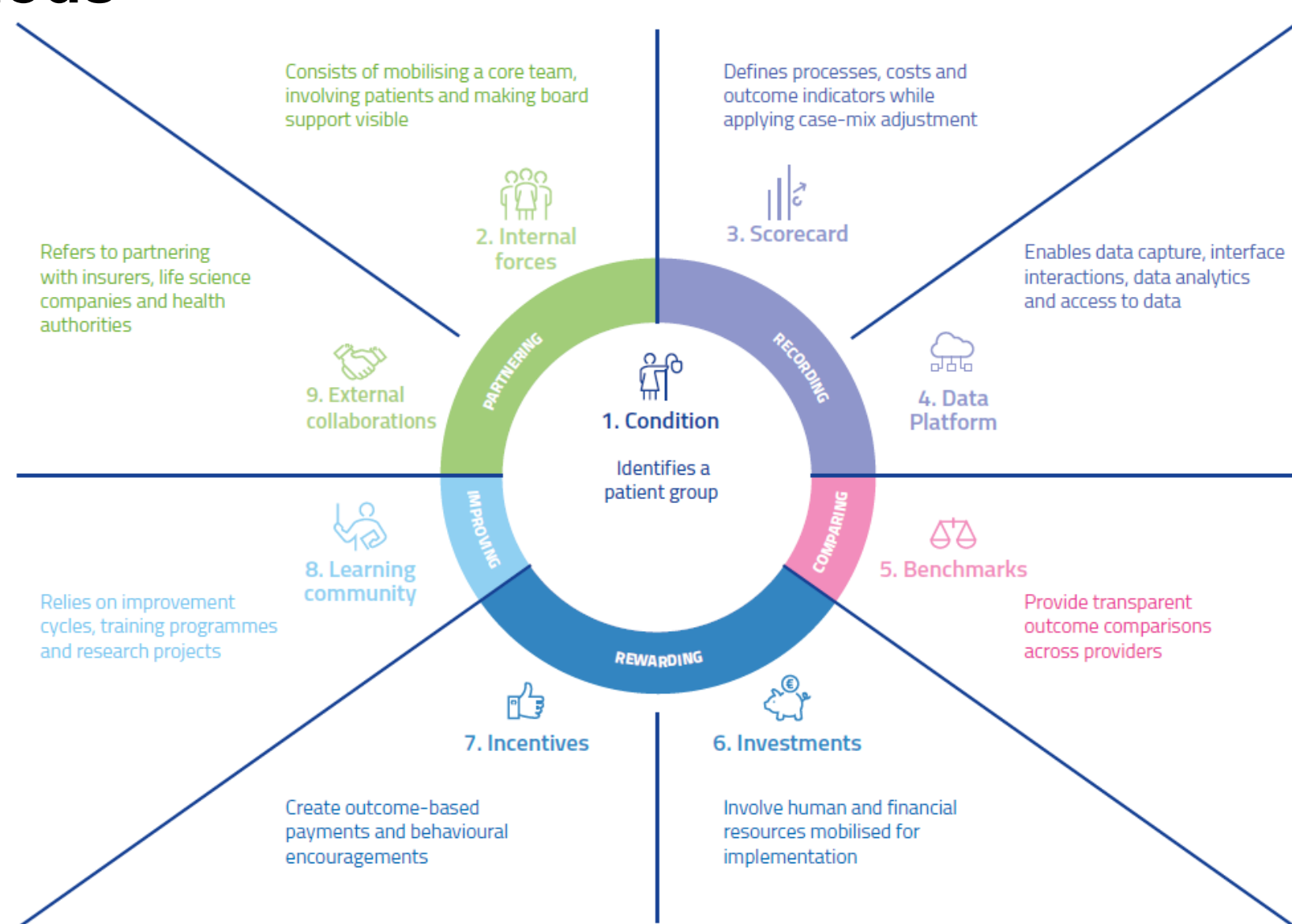
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Introduction

Since 2017, Singapore General Hospital (SGH) has actively embarked on Value Driven Care (VDC) to optimize patient outcomes and costs for various conditions. In 2023, the Office of Value Based Healthcare (OVBH) was formed to take on an expanded scope of value-based healthcare (VBHC) strategies and assist clinical teams in adopting and implementing best-in-class practices.

To achieve this, SGH OVBH adopted a VBHC implementation matrix from the European Institute of Innovation and Technology (EIT) Health, a knowledge and innovation community.

Methods



VBHC implementation matrix from EIT Health¹

The matrix considers the perspective of patients, providers and payers, and can be adapted for most healthcare institutions.

Two VDC conditions at SGH were mapped to the matrix to identify compatibility as well as potential gaps in implementation thus far:

- Elective total knee replacement (TKR)
- Ischemic stroke

Results

Ischemic Stroke VBHC

Condition	Patients admitted for Ischemic Stroke	
Internal Forces	Doctors Nurses Allied Health	Community Hospitals Patients
Investments	Bladder scan machines (for UTI) Clinical pathway Allied health manpower (for rehab)	
Scorecard	Length of stay Pneumonia UTI PROMS?	DVT Inpt mortality ASU rate Hyperacute mgt
Incentives	Patient satisfaction Recognition of work	
Data Platform	eHIntS Department audit data	EMR Cross-institution sharing
Benchmark	Public Hospitals in Singapore International studies	External Collaboration Nil at the moment – Consider community resources

Conclusion

The VBHC implementation matrix from EIT Health allowed SGH to recognize the good work implemented so far and at the same time identify potential improvements in implementation for the existing conditions. The matrix provides a comprehensive framework to guide and support clinical teams in implementing VBHC, and we intend to use it as part of the review process for implementation of new VDC conditions. With prospective employment of the matrix, OVBH will monitor if there is better project implementation in terms of both comprehensiveness as well as efficiency.

Acknowledgement

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Reference

¹EIT Health, Implementing Value-Based Health Care in Europe: Handbook for Pioneers (Director: Gregory Katz), 2020.

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