

VALUE-BASED HEALTHCARE CONFERENCE 2024

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

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Background

In 2023, the SGH 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

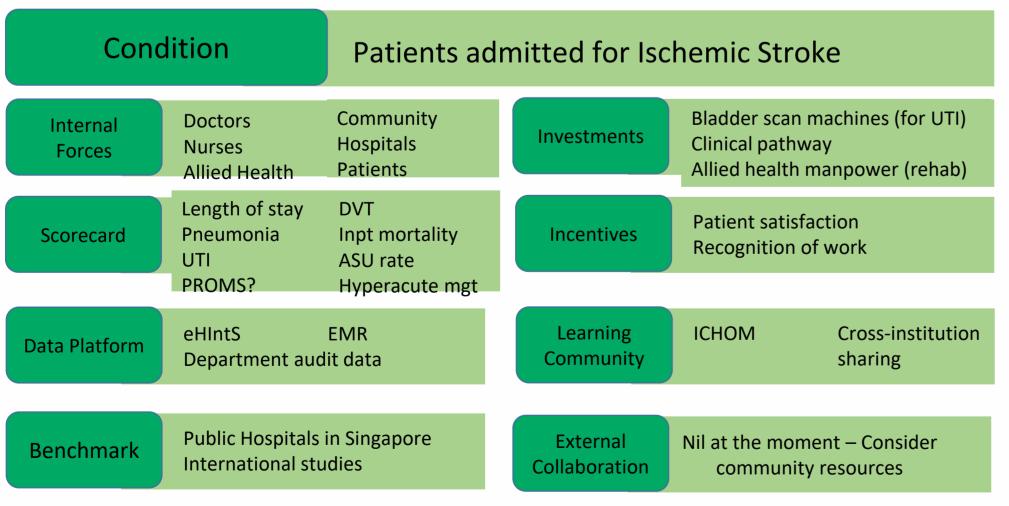
The matrix considers the perspective of patients, providers and payers, and can be adapted for most healthcare institutions.

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

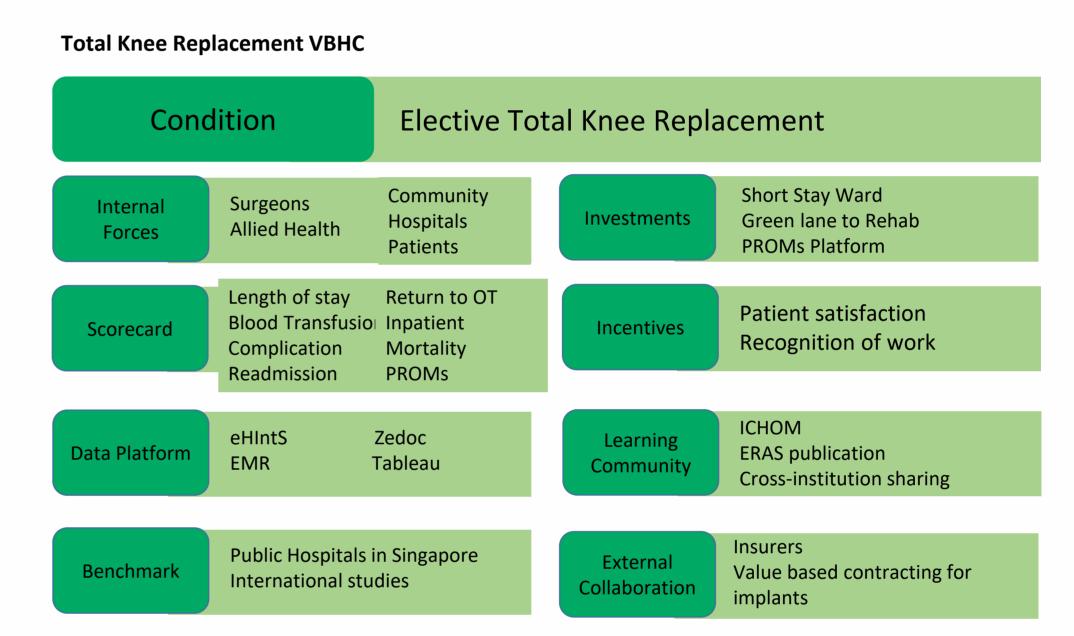
- Elective total knee replacement (TKR)
- Ischemic stroke

Results

Ischemic Stroke VBHC



Results (Continued)



Most aspects of VBHC are in place

- Multi-disciplinary teams are involved
- Well-defined scorecard. Patient Reported Outcome Measures (PROMs) implemented for TKR
- Comprehensive data warehouse with a pipeline for data processing and sharing
- Benchmarks available at national level, comparison of clinical outcomes with international studies have been done
- Additional resources have been allocated to support value improvement initiatives. Results of initiatives were shared in local and overseas conferences
- There is a strong learning culture and sharing of best practices with other healthcare institutions in Singapore

Areas for exploration

- For elective TKR, to study impact of implant choice on outcomes and costs, potentially via value-based contracting
- For ischemic stroke, to consider incorporating PROMs and monitoring of longer-term outcomes
- Adoption of standard sets (e.g. ICHOM) to facilitate international benchmarking

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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