

Value-Based Costing and Financial Analysis at Tan Tock Seng Hospital



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Introduction

model, there is a need for healthcare professionals to the improvement of cost awareness and led to cost develop a greater awareness on the cost of care delivery containment and revenue optimisation strategies: to ensure that health outcomes are achieved at a sustainable cost.

The existing setup of accounting systems are built around individual departments and cost centres, which provides only crude estimates of the true costs incurred by the hospital.

The challenge to determine the true costs of care delivery is further compounded by the increasing complexity of the healthcare ecosystem, which has required the setup of multidisciplinary service lines.

Even though a cost catalogue has been made available to reference norm costs of key cost elements, there was a low utilisation rate of the tool among unit managers.

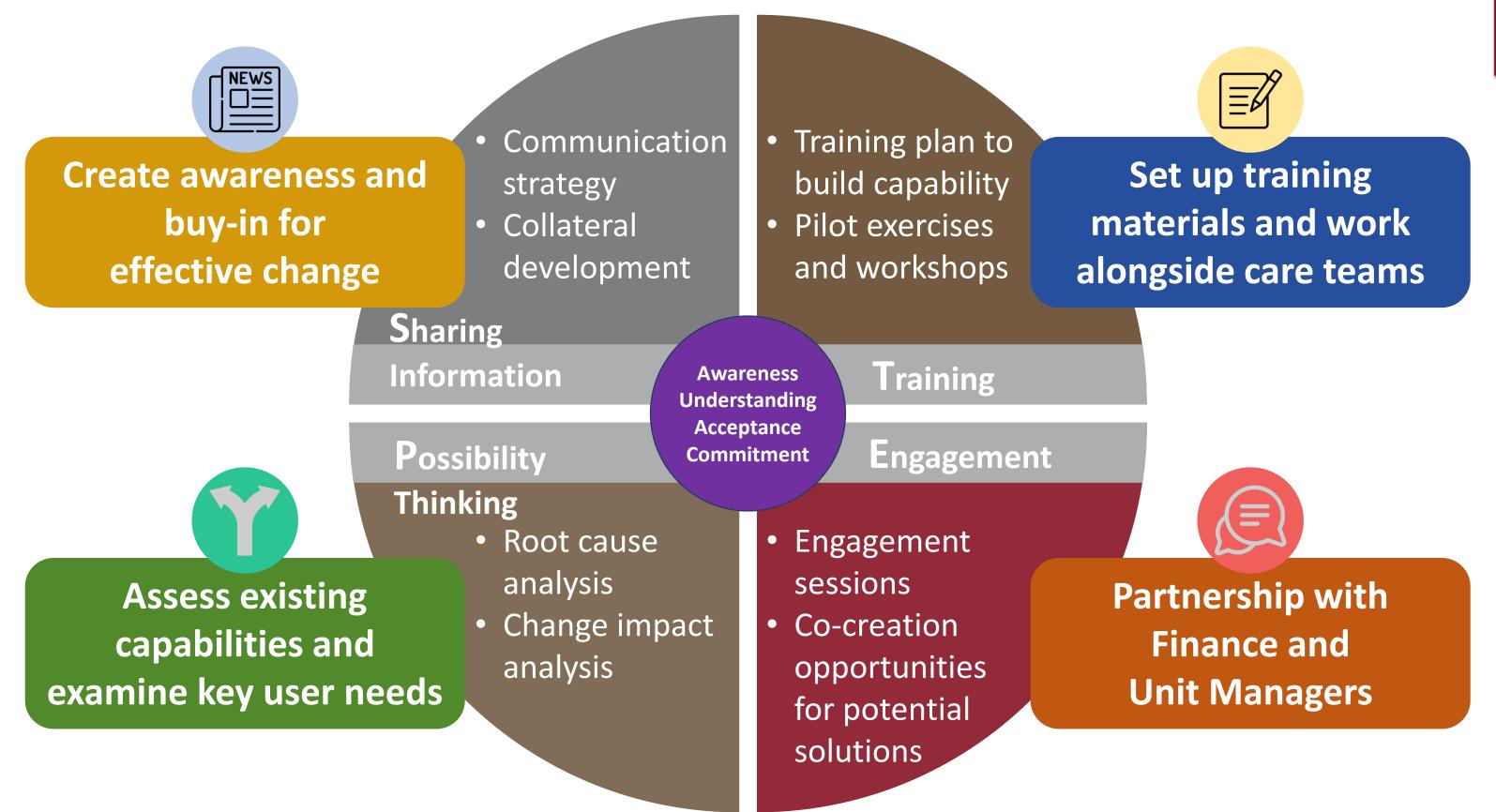
Hence, this project aims to achieve the following:

To develop increased awareness and appreciation for value-based costing within the organisation.

To empower improved resource optimisation for care services, derived from alternative methods to overcome existing system limitations.

Methodology

To effectively lead change and meet the project aims, the Value Management Unit adopted the STEP Change Management Strategy Framework, developed by TTSH Organisation Development, to carry out the following:



Results

With the shift in healthcare financing towards a capitation The following enablers were developed, which resulted in

Cost Calculator

A seamless template integrated with the cost catalogue, with auto-populated dashboards, to translate mapped care activities and derive cost figures. This rollout led to a reported increase from 53% to 80% of unit managers with improved confidence to utilise costing tools.

Hybrid Value-Based Care Methodology

A scalable approach that incorporated viable alternatives to supplement time-driven activitybased costing via staff interviews and bill as proxy to cost. Five pilot care teams reported greater ease for costing exercises to identify revenue leakages and inform on pricing strategy.

Digital Learning Course

A self-learning online module to develop capability and inculcate value-based principles for all staff. A pilot workshop for 14 staff found an 85% increase in understanding value-based costing. Since its launch in August 2023, more than 180 staff had registered for the course.

Financial Analysis Exercise

A customised template of services for reviewing cost elements against revenue to guide business planning and resource optimisation efforts. Since its roll-out in April 2023, more than 20 departments have onboarded this exercise, with actionable insights, such as follow-up plans from the Allied Health Division translating to a 30% projected increase in annual gross revenue.

Conclusion

Ensuring operational and financial sustainability is core to organisation health and excellence. The efforts resulting from this project have been embedded as key enablers to support day-to-day hospital operations and improvement initiatives. This has empowered unit managers and heads of departments to take proactive ownership for the financial health and resource optimisation of their respective departments and cost centres, which in turn facilitates delivery of health outcomes at a sustainable cost to both patients and the healthcare system.