



Leading Organizational Spread in Improvement

Prevention of Catheter Associated Urinary Tract Infections



To be a light in society, relieving suffering and enriching lives with the love of Christ

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Declaration of Interest

Nothing to declare on payments made

- for presentation
- for advice
- for funding of project
- to attend conference
- on other interests connected to this work
- for attending conference







Description of Community Hospital

- Post Acute care
- Bed strength 260
- Services provided
 - rehabilitative care
 - subacute care
 - dementia care
 - palliative care
- Average length of stay28 days
- Patients on urinary catheter - 13%



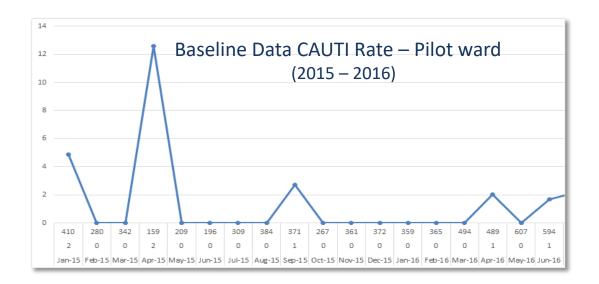
Why work on Prevention of CAUTI?

- SACH CAUTI rate (2016) 1.66 per 1000 urinary catheter days
- Preventable
- Increases length of stay
- Performance indicator



Results of a Gap Analysis - Ask 5 Take 5

- Definition of CAUTI varies
- Non -standard practice to review need for catheter
- Patients and caregivers not effectively engaged in prevention of CAUTI.

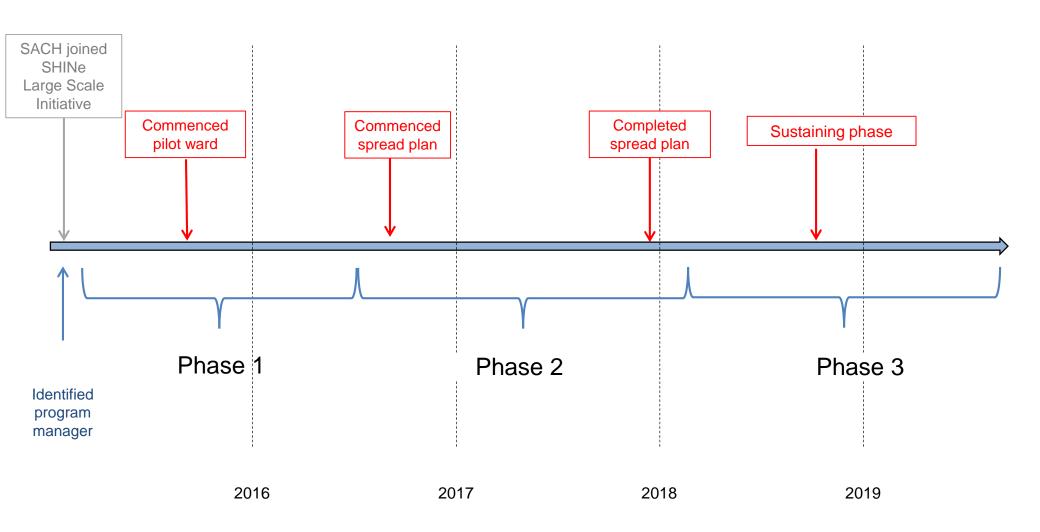


Project Team



TEAM MEMBERS	NAME	DESIGNATION
Institutional sponsor	Ms. Lei Choo Alison Sim	Director of Nursing
Team member	Dr. Prabaharan Sinnathurai	Doctor
	Ms. Arlene	Nurse Manager
	Ms. Myint Wai Hlaing	Staff Nurse
	Ms. Chin Lian Magdalene	Senior Physiotherapist
	Ms. Mei Heong Lim Infection control nurse	
Program Manager	Dr. Deepthika De Silva	Head health care performance office
	Ms. Sonali Das	Executive HPO

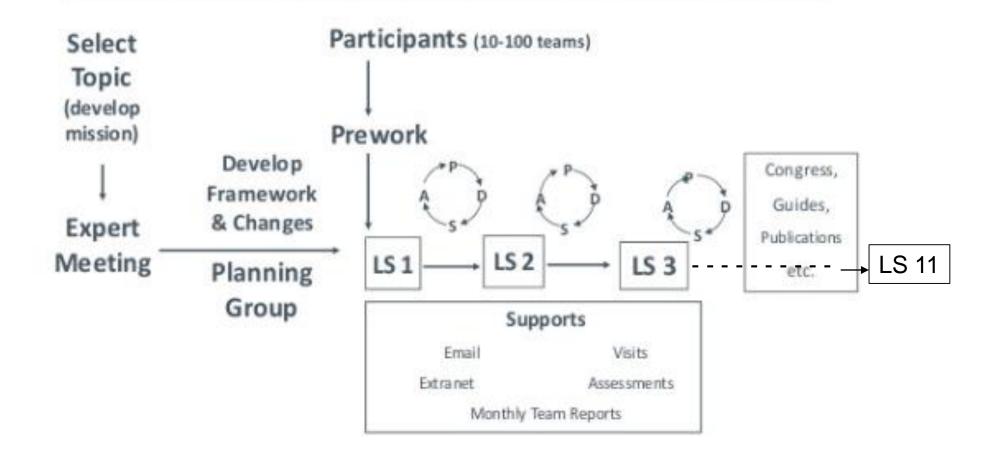
Project Timeline







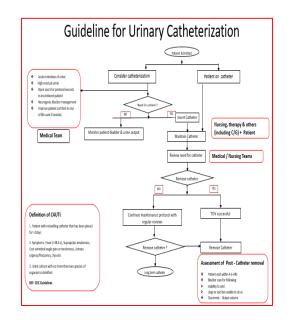
IHI Breakthrough Series – a collaborative infrastructure



CAUTI Bundle

Interventions

- 1 Clinical Guideline for urinary catheterization
- 2 Audits
 - Indications for catheterization
 - Maintenance of catheter
 - Regular reviews on need for catheter
- 3 'Catheter Pants'
- 4 Electronic data collection System to 'self regulate' at individual ward levels.

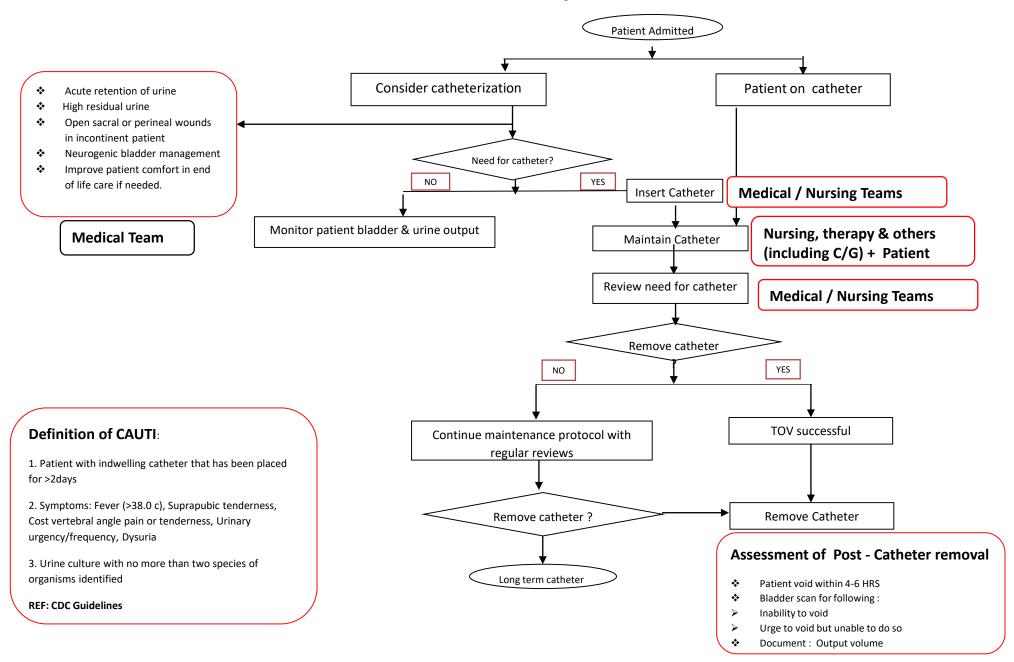




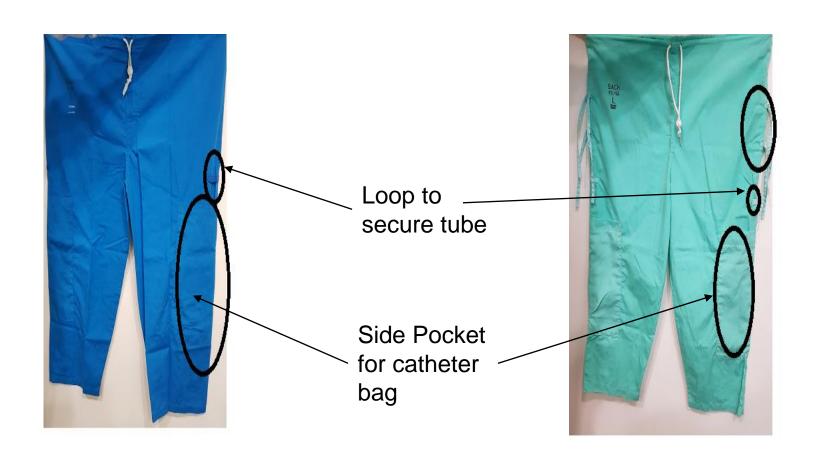




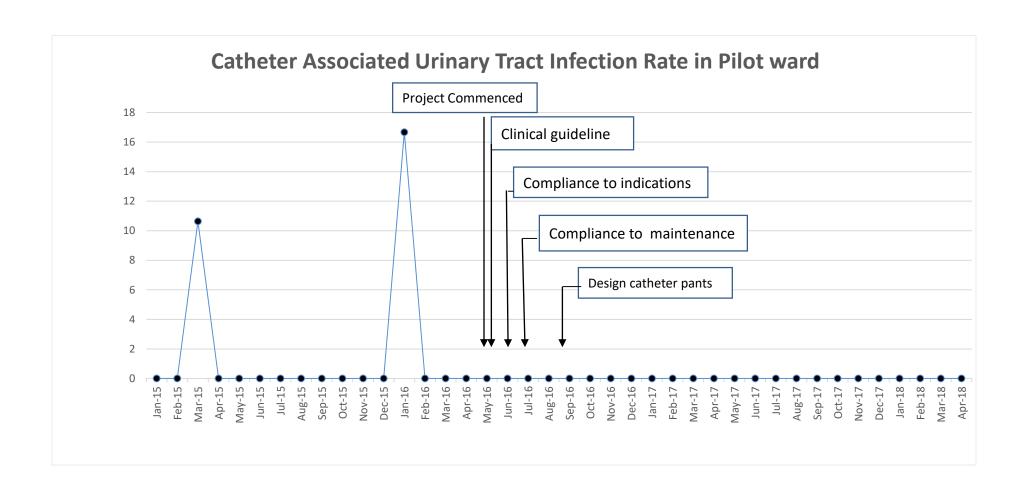
Guideline for Urinary Catheterization



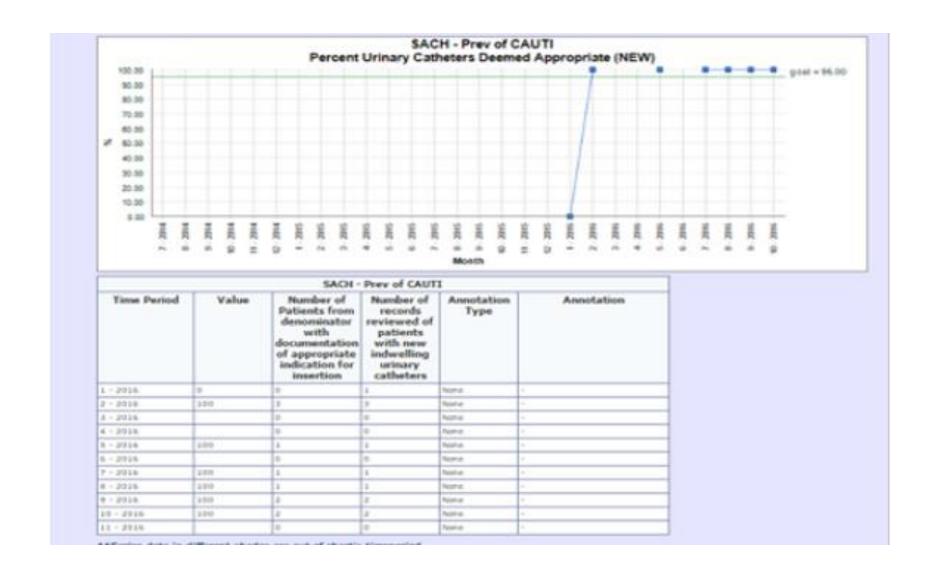
Design of 'CAUTI PANTS'



Pilot ward Outcome Measures



Pilot ward Process Measures



Ready To Spread?

LEADERSHIP









SOCIAL SYSTEM



MONITOR PROGRESS & DATA



COMMUNICATION

AFFER

Collect Data & Photos.
Training Consecution

Spread Team



Spread Aim

Zero CAUTI in SACH by December 2019

100% compliance to CAUTI Guideline



Spread Team

- Communicate
- Influence & motivate
- Provide knowledge
- Coach and guide
- Support, problem solve
- Monitor progress of spread
- Feedback to senior management and frontline



IHI Psychology of Change Framework

Unleash Intrinsic Motivation

Tapping into sources of intrinsic motivation galvanizes people's individual and collective commitment to act.

Adapt in Action

Acting can be a motivational experience for people to learn and iterate to be effective.

Activate People's Agency

Co-Design People-Driven Change

Those most affected by change have the greatest interest in designing it in ways that are meaningful and workable to them.

Distribute Power

People can contribute their unique assets to bring about change when power is shared.

Co-Produce in Authentic Relationship

Change is co-produced when people inquire, listen, see, and commit to one another.

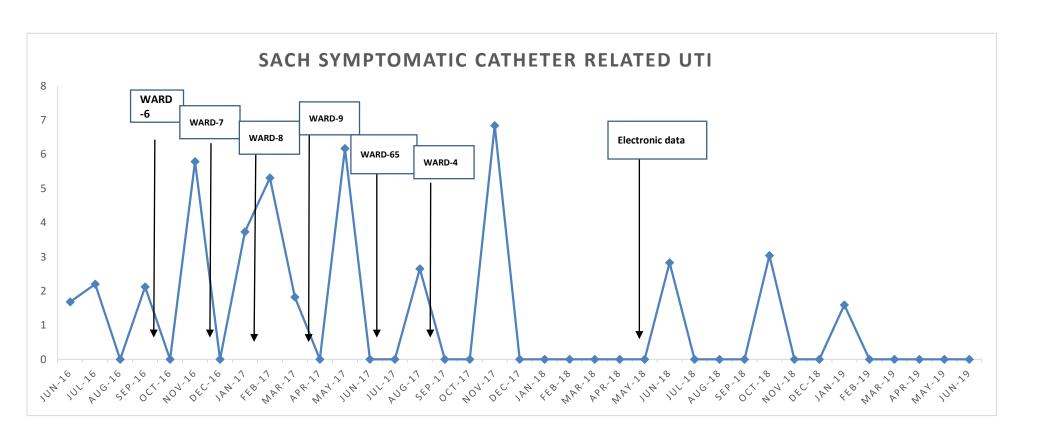
Source: Hilton K, Anderson A. IHI Psychology of Change Framework to Advance and Sustain Improvement. Boston, MA: Institute for Healthcare Improvement; 2018. Ini. org/osychology



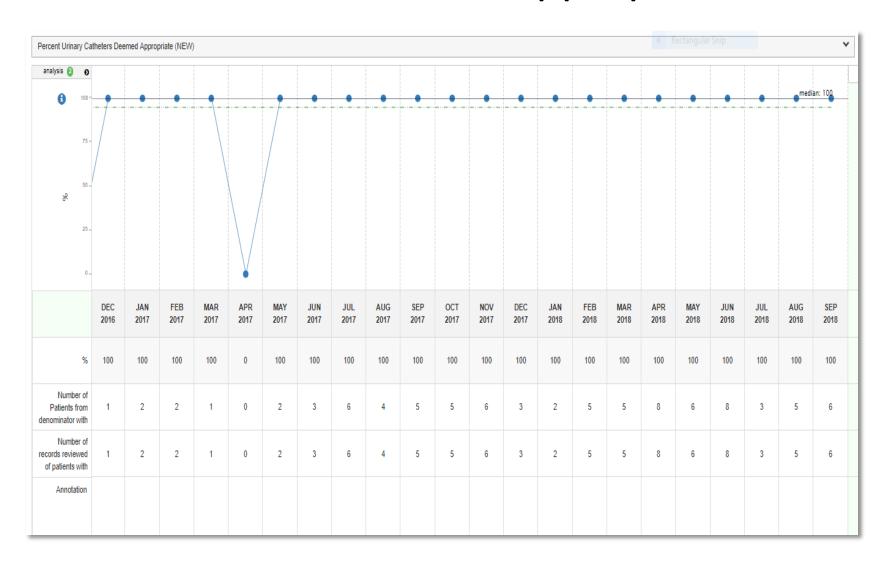
Our Experience in Application of this Framework during spread

Domain	Action
Trusting relationships	A strong foundation to build and work with.
Intrinsic motivation	Be Patient! Listen! Stakeholders need time to accept change.
Co –design changes	Design with frontline staff
Clear roles	Each member understands his / her role
Regular feedback	Frontline begins to own their data

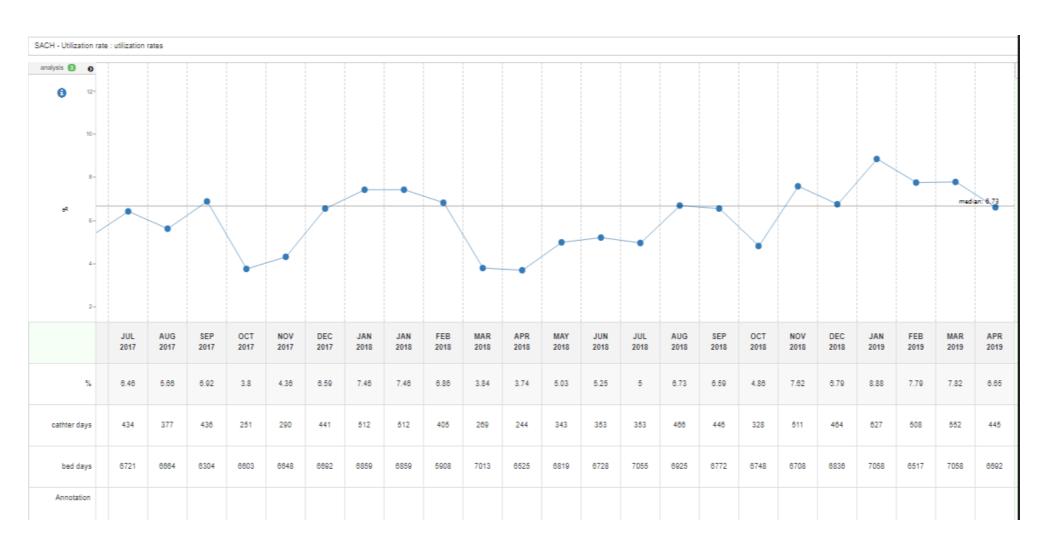
Outcome Measures - CAUTI Rate



Process Measure % of Catheter Deemed Appropriate



Catheter Utilization Rate



Strategies to Sustain Achievements

	Change	Actions to Sustain
1	Clinical guideline	Accessible to all clinicians
2	Audits by ICN	Regular hospital wide audits
3	CAUTI Pants	250 pants added to linen inventory
4	Electronic data collation (in progress)	Staff capable of self monitoring & regulating their practices. (in progress) - Catheter days - Indication for catheterization - Trial of void - Date of insertion and removal
5	Patient & caregiver engagement	Empower patients by frontline staff
6	Staff Recognition	Consider human factors when designing change. Every improvement matters - big and small

Leading Change in Improvement

- Vision for improvement
- Creating and sustaining a culture where trust and respect grows within the organization
- All staff to embrace the concept of being a "Learning Organization"
- Celebrate!



Our Improvers!!

