

A POINT OF CARE (POCQI) QUALITY IMPROVEMENT INITIATIVE (POCQI): IMPROVING STAFF BEHAVIOUR IN HAND-WASHING TOWARDS INFECTION PREVENTION AND CONTROL DURING IN-PATIENT CARE IN A RURAL HOSPITAL SETTING.

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BACK GROUND

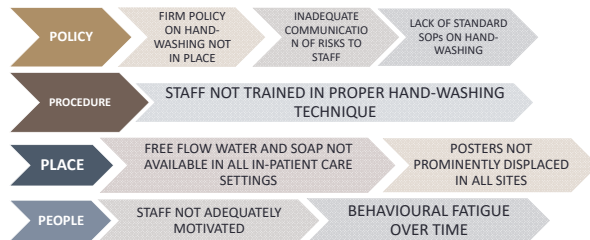
- Health Care Associated Infections (HCAI) is a major problem for patient safety and its prevention must be a first priority for settings and institutions committed to making health care safer
- Hand hygiene is the primary measure proven to be effective in preventing HCAI and the spread of antimicrobial resistance. However, it has been shown that Health Care Workers encounter difficulties in complying with hand hygiene indications at different levels.
- Promotion of hand hygiene has become critical in context of response to the current COVID-19 pandemic

AIM

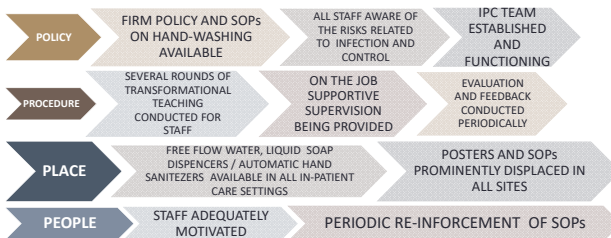
IMPROVEMENT IN STAFF-COMPLIANCE IN PROPER HAND-WASHING TECHNIQUES

FLOW MAP OF PRESENT STATE

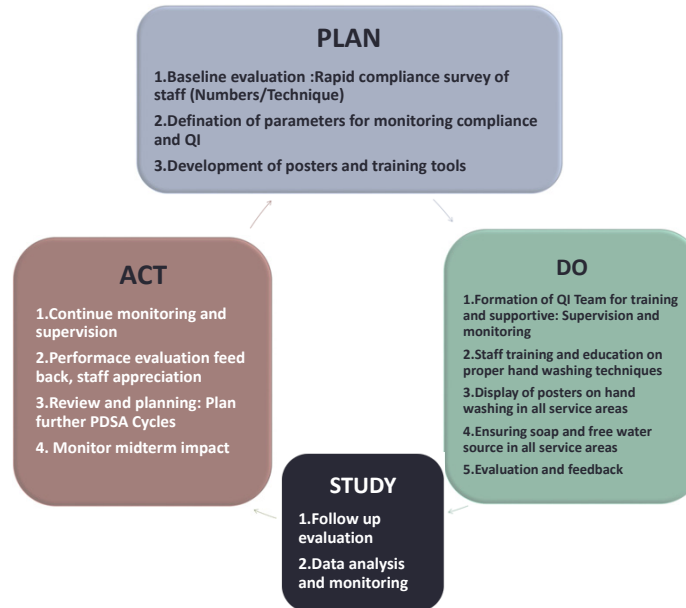
Herring-bone (Ishikawa) Analysis of the Problem



FLOW MAP OF FUTURE STATE

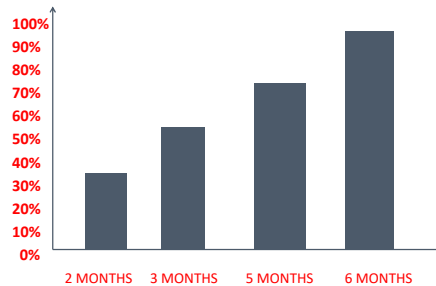


PLAN DO ACT STUDY CYCLE



DATA

- QUALITY IMPROVEMENT MONITORING PROCESS INDICATOR:**
- PROCESS INDICATOR:**
- A. Proportion (%) of All-staff Compliance over time:



- IMPACT INDICATOR:**
- B. HCAI Post-surgical wound infections:

Indicator	Month	Month	Month	Month	Month	Month
	1	2	3	4	5	6
Post-surgical wound infections						
Minor	< 10%	< 5%	< 2%	< 1%	0%	0%
Major	< 5%	< 2%	0%	0%	0%	0%

RESULTS

- 90 % of the staff adherent to strict hand-washing guidelines
- Mentoring of the junior and new staff by the trained senior staff
- Patient appreciation and satisfaction enhanced
- Behavioral change towards hand hygiene achieved among all staff
- No COVID-19 positive among the hospital staff



SUMMARY

- All staff compliance to hand-hygiene during in-patient care is a critical component in prevention of health care associated infections
- The proposed intervention is based on the PDSA cycle and includes the essential components of facility preparedness, baseline evaluation, implementation, follow-up evaluation, review and planning
- Monitoring of both the process and outcome indicators is essential for measuring effectiveness
- Supportive-supervision, training and re-training, periodic evaluations and feed-back are also essential to maintain staff compliance and motivation over the long term

FUTURE STEPS

- Continue PDSA cycles as needed
- Periodic evaluation and action
- Monitoring mid and longer- term impact on HCAI

