

Emergency Department Hand Hygiene Project

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Background

- Hand Hygiene is a simple and effective measure in reducing healthcare associated infection.
- Healthcare associated infections are a major risk to patient safety and contribute to prolonged length of stay in hospitals as well as increased costs, morbidity and mortality.
- A quality improvement project was undertaken in the Emergency Department (ED) at Fiona Stanley Hospital to improve Hand Hygiene compliance and increase patient safety. Auditing in early 2018 of Hand Hygiene practice showed compliance sitting at 54.2%. The National benchmark for Hand Hygiene compliance is 80%.

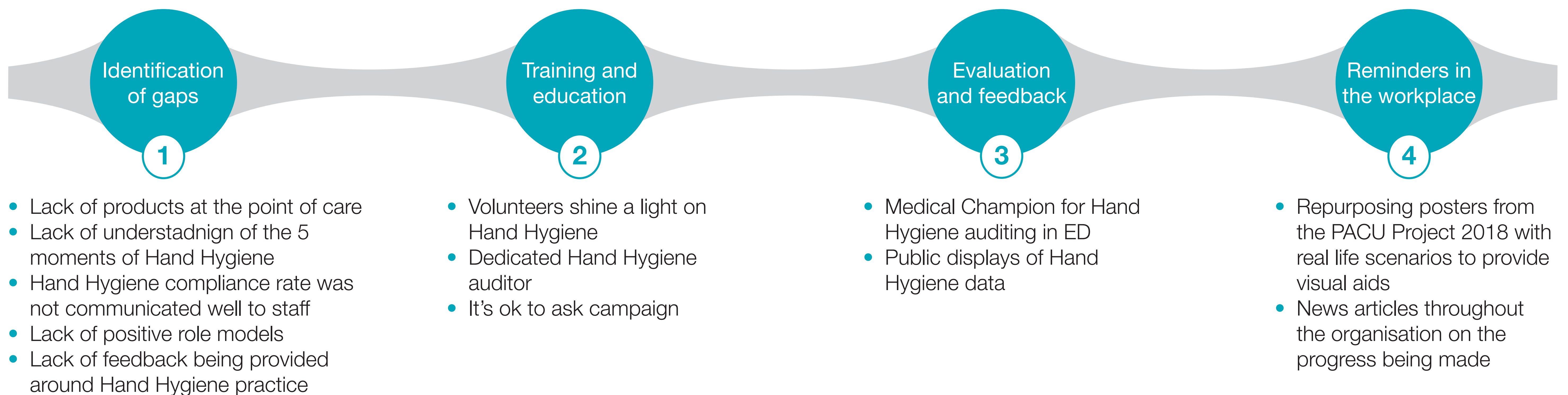
Aims

- Identify the current Hand Hygiene infrastructure and promotional activities and gaps
- Build a collaborative partnership between Infection Prevention and all ED Staff throughout the project
- Increase data collection for Hand Hygiene audits
- Identify and recruit high profile medical role models
- Increase Hand Hygiene compliance to meet the national benchmark of 80%.



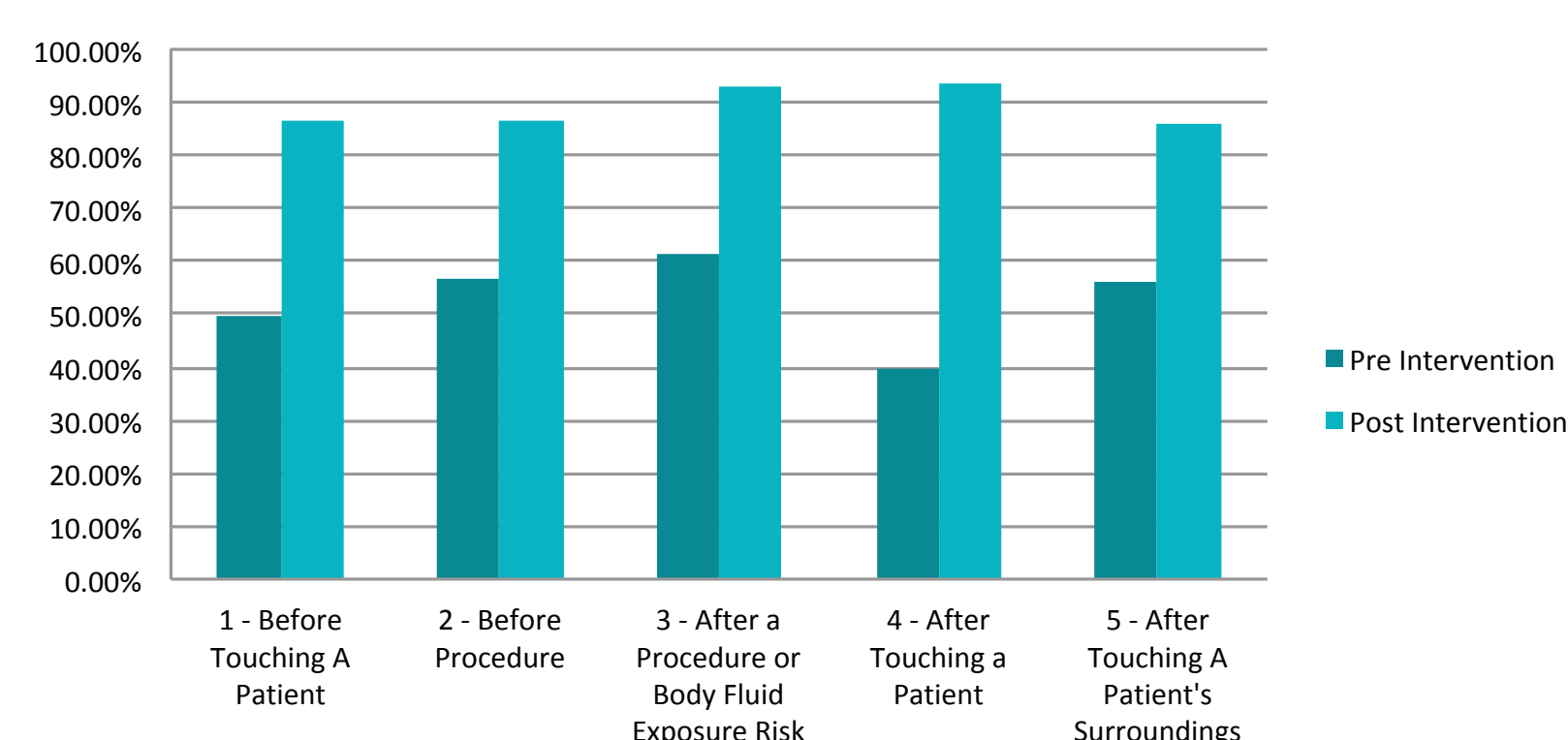
Methods: A multimodal approach was considered to improve Hand Hygiene compliance in the ED

Figure 1: ED Hand Hygiene Self Assessment Tool

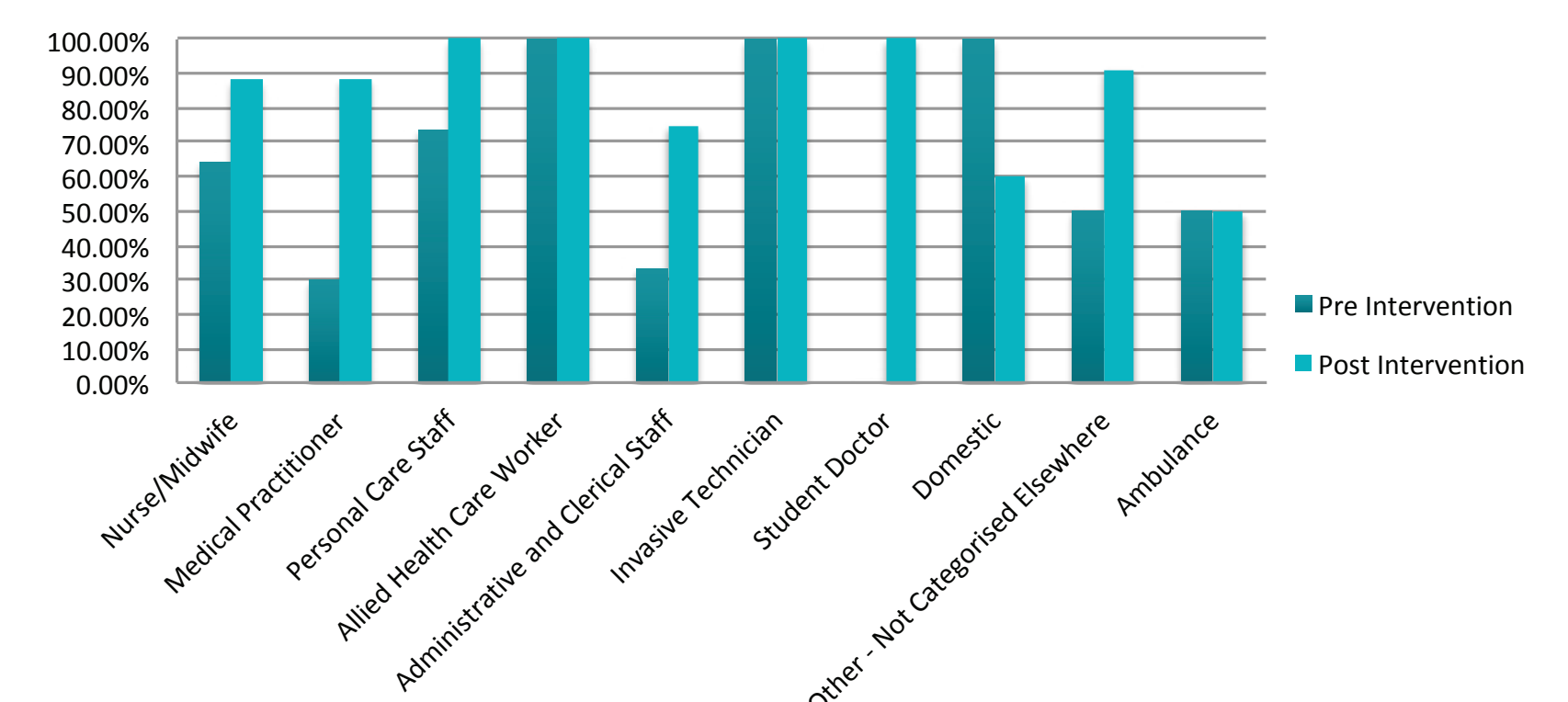


Results

Graph 1 shows compliance per moment in ED from Audit Period 1 2018 to Audit period 2 2018



Graph 2 shows compliance per HCW type in ED from Audit Period 1 2018 to Audit period 2 2018



Conclusion

The Multimodal Hand Hygiene improvement strategy on the ED in FSH has substantial positive's effects on Hand Hygiene compliance; Hand Hygiene compliance rates for ED exceeded the 80% benchmark by the National Hand Hygiene Initiative. This quality improvement project has not only increased the compliance rate across the "5 Moments for Hand Hygiene", but also improved communication, workflows and created a positive culture for patient and staff safety.

Recommendations

- Maintain a Hand Hygiene Auditors within ED
- Maintain medical champions in ED to provide peer support
- Communication of data in different locations and meetings/huddles
- Use new Hand Hygiene video for ED staff
- Involve volunteers in ED - hand washing for consumers
- Link in Hand Hygiene with everyday practice

