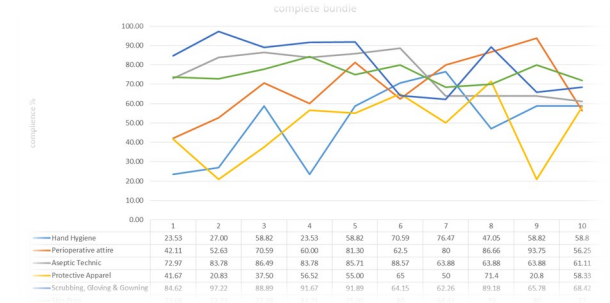


# ADVANCEMENT & INNOVATIONS IN PACIFIC PERIOPERATIVE NURSING PRACTICE



GOVERNMENT OF SAMOA  
Samoa national health services  
**TUPUA TAMASESE MEAOLE HOSPITAL**

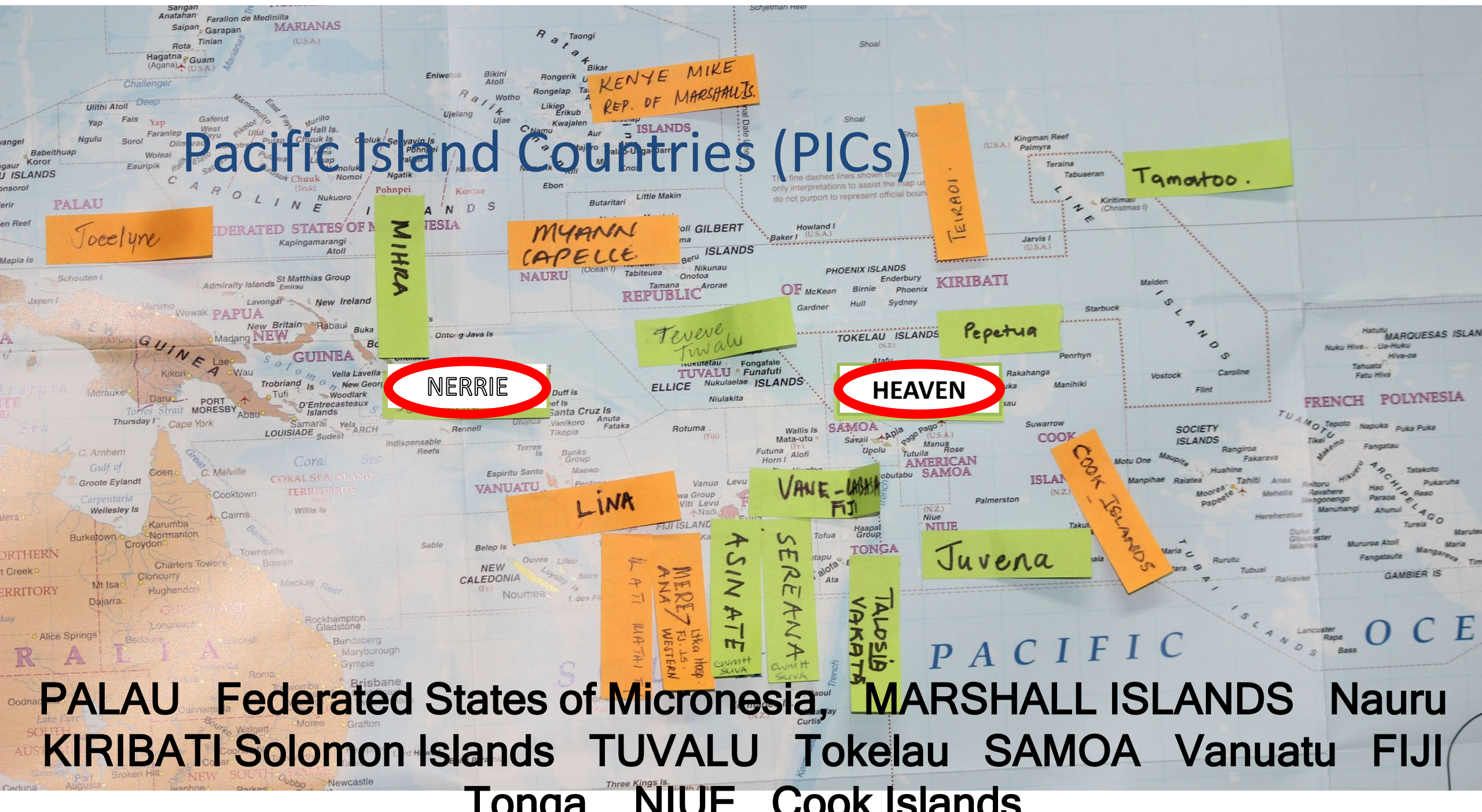
**By Heaven Isaia & Nerrie Raddie**



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# Pacific Island Countries (PICs)



PALAU Federated States of Micronesia, MARSHALL ISLANDS Nauru  
KIRIBATI Solomon Islands TUVALU Tokelau SAMOA Vanuatu FIJI  
Tonga NIUE Cook Islands

# **Presentation Outline**

- **Background**
- **Samoa's Implementation Journey**
- **Standard Audits of 4 Pacific Island Countries**
- **Common Challenges & Effective Strategies**
- **On going & Future Plans**
- **Recommendations**
- **Acknowledgements**



# Background



## Collaboration leads to successful change in Pacific Island Countries A collaboration between 14 Pacific Island Countries and Australia is empowering nurses and improving compliance with perioperative standards



### The problem is identified

Australian surgical teams visiting Pacific Island Countries noted wide variations in operating theatre nursing practice and highlighted this in trip reports to the Royal Australasian College of Surgeons (RACS).

Strengthening Specialised Clinical Services in the Pacific (SSCSiP) identified one underlying cause was a lack of local practice standards for perioperative nurses.

### The collaboration begins

SSCSiP collaborated with the Australian College of Perioperative Nurses (ACORN) and consultants from Health Education & Learning Partnerships (HE&LP) to form a team of nurses and educators representing 14 Pacific Island Countries (PICs) and Australia mid 2015. The project was funded by SSCSiP (supported by the Australian Government). ACORN supported the Australian consultants' facilitation of workshops.

Existing standards were sourced from Australia and the USA, however, these were not fit for purpose in the limited resources settings of the PICs because:

- they did not reflect the diversity of budgets and hospital infrastructures affecting water and electricity supply, laundering and sterilising services; or
- acknowledge challenges in providing safe patient care in facilities with unreliable supply of hand-wash, perioperative attire, covered footwear, surgical masks, eye-protection, surgical scrub solutions, sterile gowns and gloves.

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Mabel Hazelman Taoi<sup>b</sup>, Natasha Mamea<sup>c</sup>,  
Nerrie Raddie<sup>c</sup>, Teirao Bio<sup>c</sup>

<sup>a</sup>Health Education & Learning Partnerships, Sydney, Australia, <sup>b</sup>The Pacific Community, Suva, Fiji, <sup>c</sup>Tupua Tamasese Meaole Hospital, Apia, Samoa, <sup>d</sup>National Referral Hospital Honiara, Solomon Islands, <sup>e</sup>Tungaru Central Hospital, Tarawa, Kiribati.

### The team sets aims and objectives

Develop a "bundle" of standards with matching practice audit tools relating to infection prevention and aseptic techniques tailored for use by perioperative nurses in Pacific Island Countries (PICs).

1. Provide a process to ensure a voice for all PICs including 3 review cycles to establish consensus
2. Produce standards with rationales for practice
3. Produce matching practice audit tools to measure compliance and support quality improvement
4. Establish a network to support implementation and foster leadership locally across PICs

Approval was granted to use ACORN Standards and Guidelines of the International Federation of Perioperative Nurses (IFPN) as foundation documents from which to develop local standards.

These local standards will be referred to as the Pacific Perioperative Practice Bundle (PPPB).

### Making change happen in the Pacific

The team employed a range of change strategies:

- Implementation workshops, webinars, teleconferences and local in-service presentations
- Development and display of reminder posters
- Audit and feedback by monthly email updates
- Site visits and engagement with local nursing leaders



PPPB review cycle to establish consensus conducted October to December 2015.



PPPB implementation workshop held 13-18 August 2016, in Suva, Fiji. Financial support for the workshop was provided by SSCSiP (PIC participants) and ACORN (Australian facilitators).

### Project outcomes emerging

Practice audits have been conducted in four of the Pacific Island Countries (PICs) since implementation.

The Kiribati team conducted 34 individual practice audits between September 2016 and February 2017. Overall compliance was high for aseptic technique at 87%, while perioperative attire was reported as 77%.

Other teams reported improvements with aseptic technique while compliance rates with perioperative attire and protective apparel were affected by hospital laundry services and linen supply.

The PPPB has been accepted as the minimum practice standards for perioperative nursing in PICs. RACS has indicated it will brief nurses and visiting surgical teams on the PPPB. A recent trip report identified positive change in nursing practice, improvements in knowledge and a more consistent application of standards. ACORN has partnered with HE&LP to produce practice audit tools to measure compliance with the ACORN Standards for Perioperative Nursing in Australia.

### Publications and further reading

Davies M, Sutherland-Fraser S, Taoi MH, Williams C. Developing standards in Pacific Island Countries: The Pacific perioperative practice bundle (Part 1). ACORN J 2016;29(2):42-47.

Davies M, Sutherland-Fraser S, Mamea N, Raddie N, Taoi MH. Implementing standards in Pacific Island Countries: The Pacific perioperative practice bundle (Part 2). ACORN J 2017;30(1):41-48.

Collaboration for Quality Perioperative Nursing Care. Taoi MH, Davies M, Sutherland-Fraser S. (unpublished conference paper) Presented at the 18<sup>th</sup> South Pacific Nurses' Forum, Honiara Solomon Islands November 2017.

Poster presentation National Nursing Forum 2017  
MAKE CHANGE HAPPEN Australian College of Nursing  
21-23 August 2017 - The Star, Sydney Australia



### Sample reminder poster



Operating Theatre, TTSH, National Health Services, Samoa 2016

### Workplace feedback

"The implementation of this bundle has motivated staff to work in groups and aim for project achievement to make practice effective. Recognition of project development and performance through prize giving... has motivated staff to participate in both performance and monitoring of effectiveness of practice changes". N. Mamea, Tupua Tamasese Meaole Hospital, Samoa

"Thank you for choosing perioperative nursing as one of the areas that needs strengthening in the region. I believe that this area of choice that your team has chosen will go a long way and be fruitful at the end. Seeing the energy and excitement that our colleagues have shown during the workshop gives me hope that perioperative nursing in the Pacific will definitely be a light in the nursing profession". N. Reddie, National Referral Hospital, Solomon Islands

"[The audit results] make all the effort put into this training worthwhile. I was so pleased. It provided me with the evidence to show my Program that changes are happening. Confirmation from the visiting team also independently confirmed the changes in practice happening in Tarawa hospital [Kiribati]". M. Hazelman Taoi, The Pacific Community, Fiji

### Project Contacts

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### Sample reminder poster



Operating Theatre, TTSH, National Health Services, Samoa 2016

### The Pacific Perioperative Practice Bundle: PPPB





# Implementation Journey of Samoa





# 2016 Program:

OT NEW SCRUBS



DRAPES



DEMARCATATIONS





## TEAM WORK



## POSTERS

DON'T SHARE YOUR LUNCH WITH

EAT—WASH—WORK

WASH  
YOUR HANDS

RETURN TO  
WORK

3 MINUTES  
SURGICAL  
SCRUBBING TECHNIQUE

Obtaining successful surgery is a perfect surgical hand scrub

## WINNING POSTER

What  
Proper O

aring?  
Infection

## CHECKLIST:



### HEADWEAR

- Hair completely covered
- New headwear daily
- Re-usable headwear over disposable



### JEWELLERY

- Sleeper/Studs only (covered by headwear)
- No watches, bracelets, rings



### NAILS

- Short and Clean
- No nail polish or acrylic nails



### SCRUBS

- Clean everyday
- No outside clothing underneath
- Changed when wet/soiled
- Not worn outside OT
- Laundered by healthcare facility



### PROTECTIVE FOOTWEAR

- Fully enclosed
- Easily cleaned
- \*Note: re-usable shoe covers are not recommended unless as part of PPE. They have been shown to increase floor bacteria



**Ready? Now You Can Start Working**  
**Remember To Perform Hand Hygiene....**  
**Safe Surgery Saves Lives!**



# AUDITING



# Mentorship

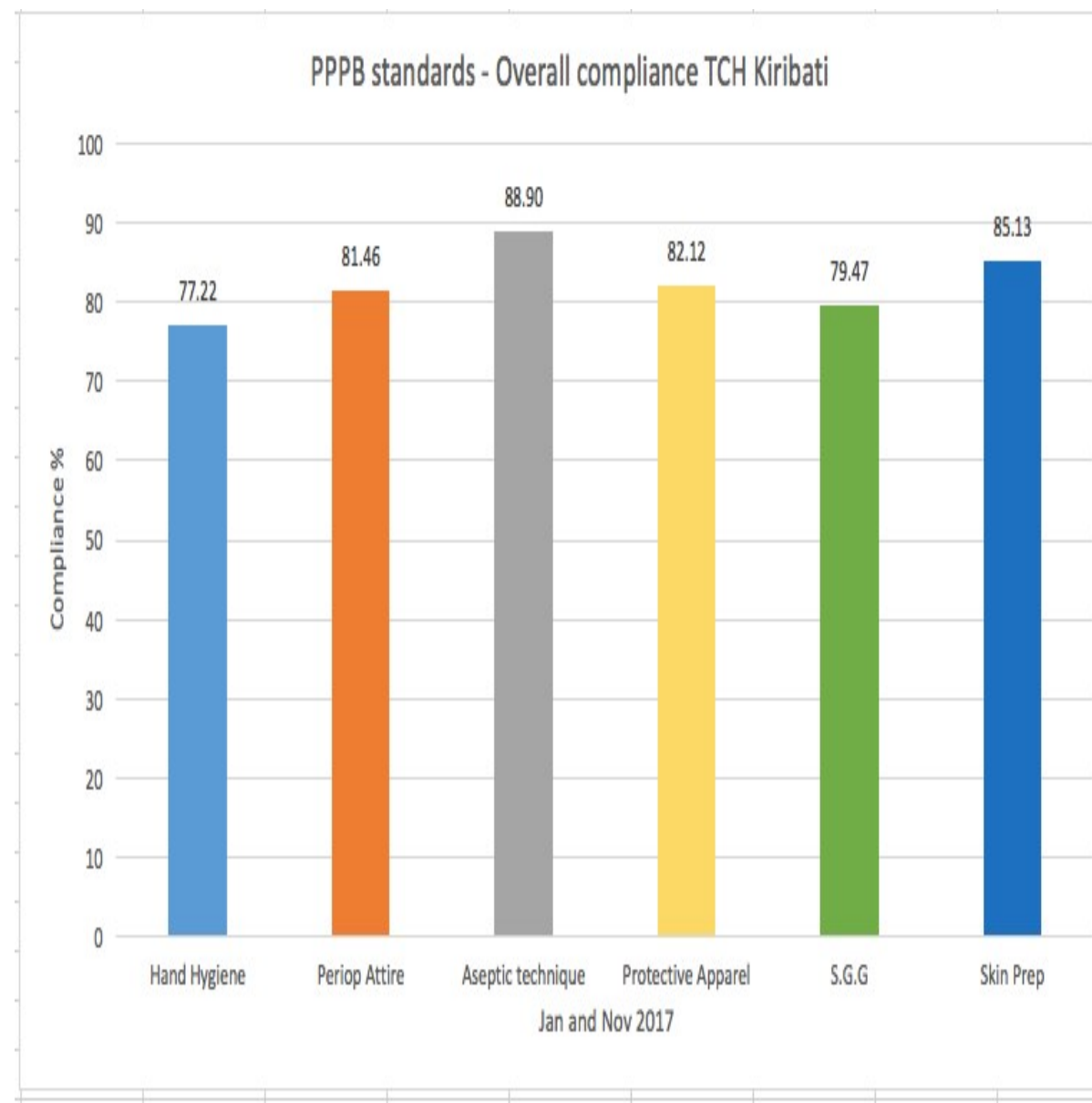
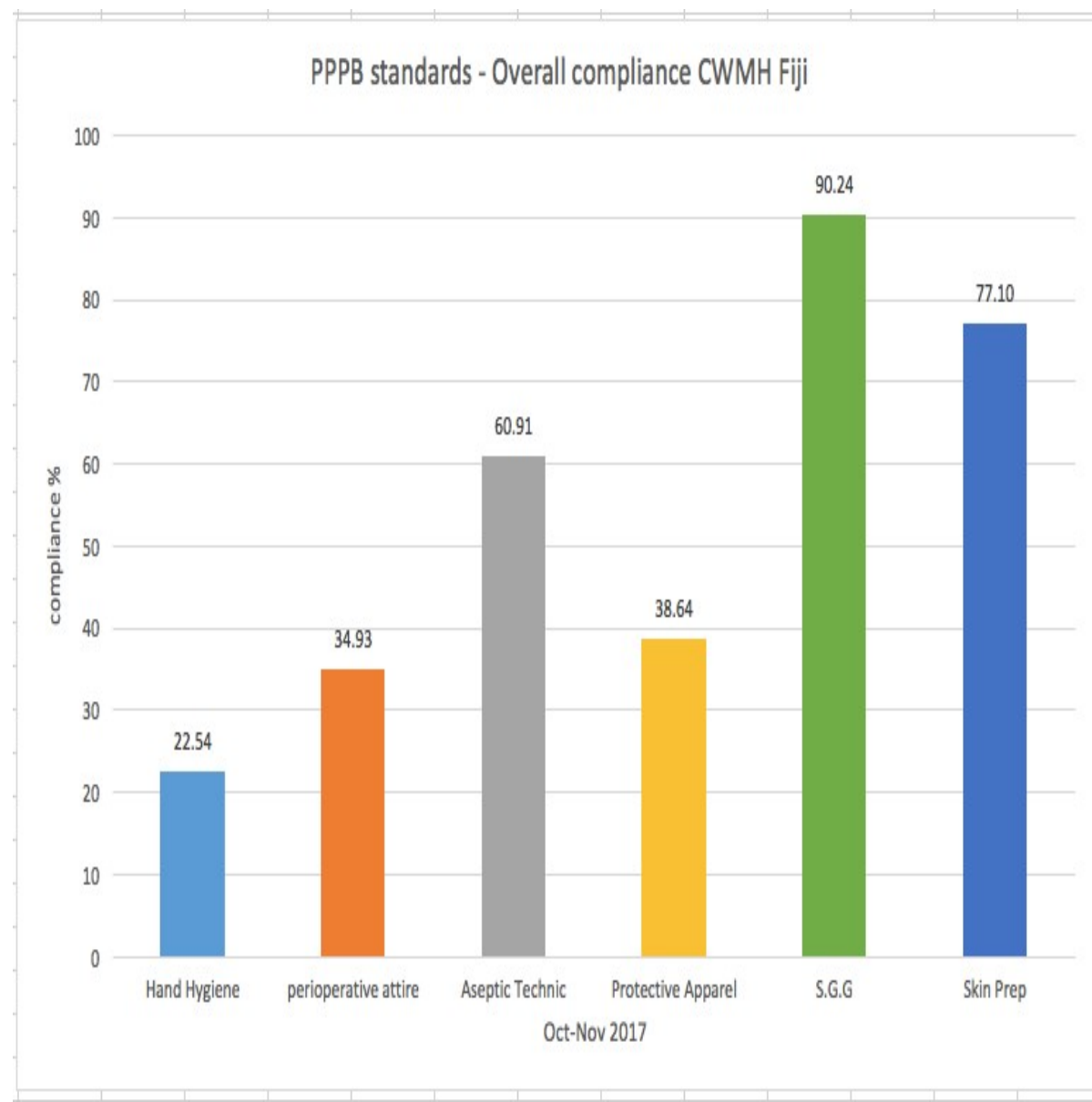


# DEBATES & INSPECTIONS



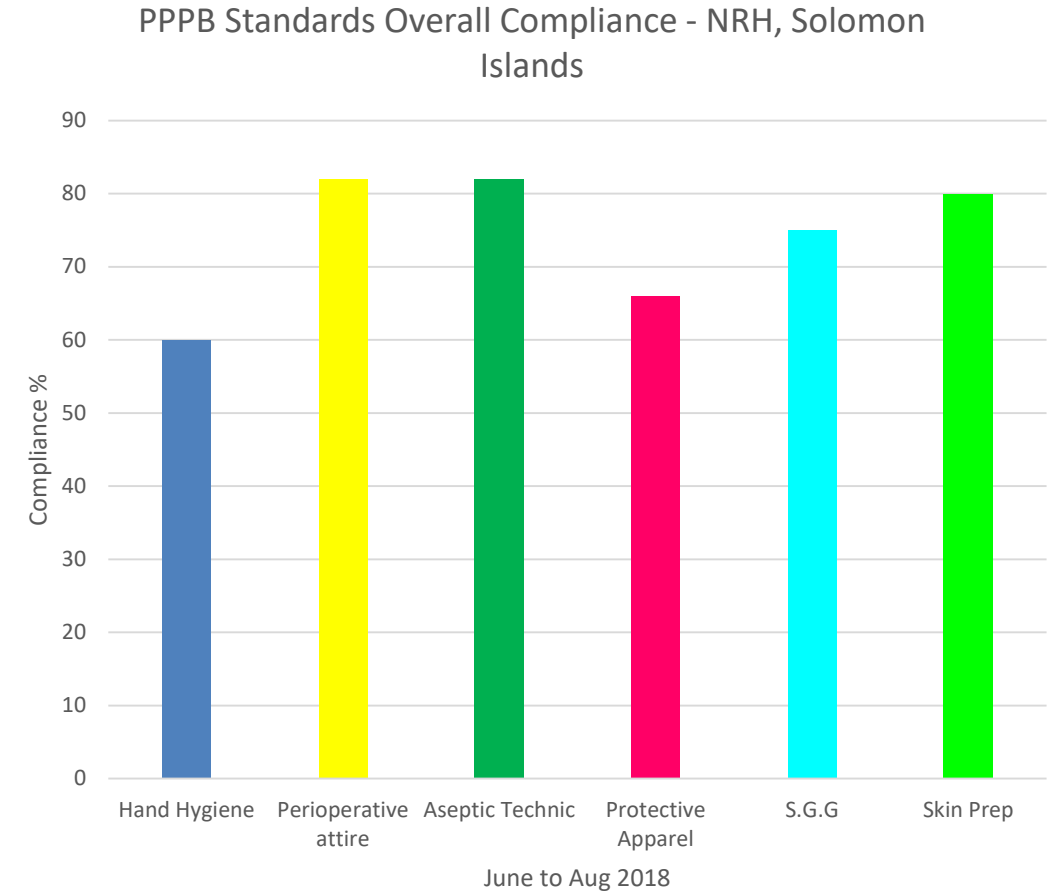
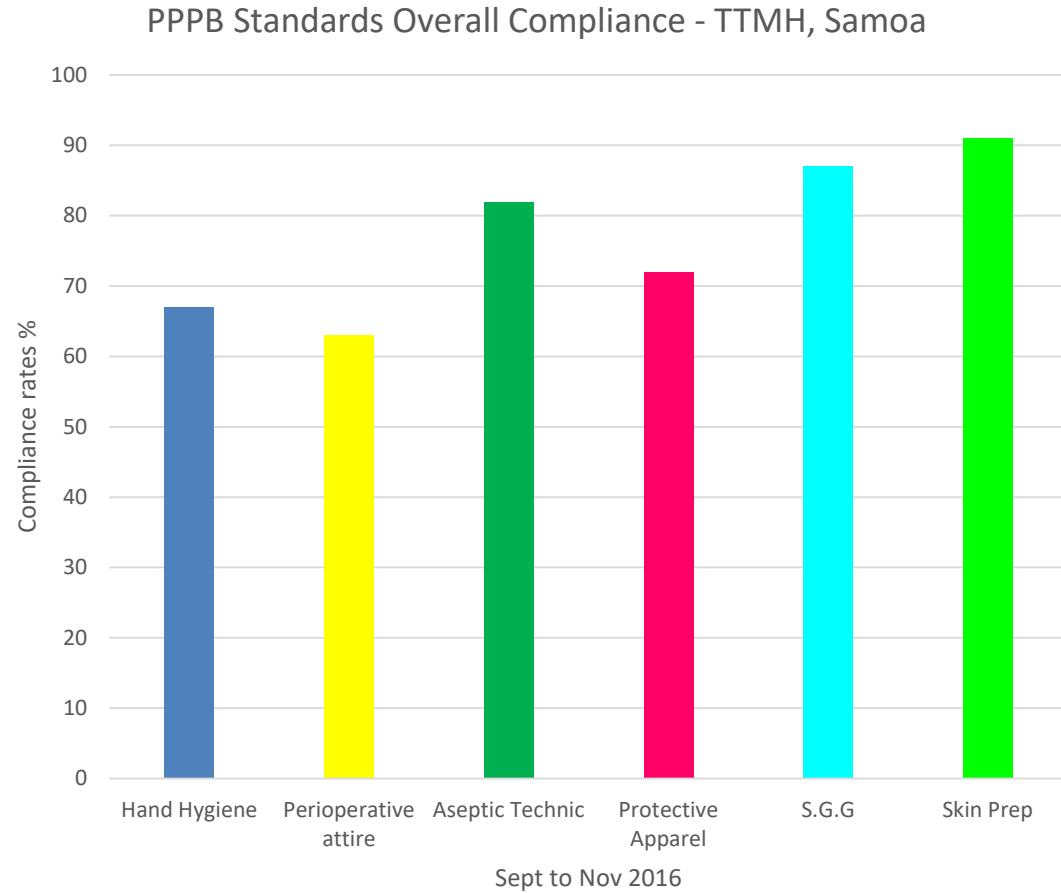


# Audit Results





# Audit Results





# **Common Challenges & Effective Strategies**

## **Challenges**

- **Lack of man power**
- **Shortage of hospital resources**
- **Infrastructure issues**

## **Strategies**

- **Standards training**
- **Standards Projects**
- **Presenting Audit results**



# On going and Future Plans

- Pacific Perioperative Practice Bundle 2 – Patient Safety
- Establish Pacific Islands Perioperative Association
  - Inaugural conference by 2020
- Partnerships and networks.



# **Recommendations**

- Push for clinical nursing developments by PICs nursing leaders and institutions.
- Similar innovative and advance practice in perioperative nursing like standards and audit tools can be also developed for other nursing specialties in the pacific to push for quality patients care

# **Acknowledgement**

- **The Pacific Community organization**
- **Health Education & Learning Partnerships program - (Australia)**
- **Australian College of Perioperative Nursing (ACORN) & International Federation of Perioperative Nurses (IFPN)**
- **Royal Australasian College of Surgeons (RACs) & Pacific Islands Project (PIP)**
- **Pacific Islands Countries Hospitals & Ministries of Health**



Tagio tumas for herehere blong ufala.  
Thank you so much for listening.

