

Challenges of Hand Hygiene in PNG

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Papua New Guinea





Culture
Language
Oral tradition





PNG Demographics

6 million people

Ranked 121/135 UN Poverty Index (measures country standard of living)

- 40% of population lives on < US \$1 / day

UN Human development index 148/182 (literacy, life expectancy & standard of living)

80% live in rural area

35% live within 10km of a road

17% no road links

20% never had a ride in a motor vehicle

30% of National & 12 % of Districts roads are in good condition

	Australia	Papua New Guinea
Government health expenditure per capita	US\$2,132	US\$35
Life expectancy	81	57
Mortality rate (children < 5yrs)	6 : 1000 live births	73 : 1000 live births
Neonatal mortality rate	3 : 1000 live births	32 : 1000 live births
Infant mortality rate (< 1yr)	5 : 1000 live births	54 : 1000 live births
Maternal mortality rate	4 : 100,000 live births	470 : 100,000 live births
Ratio of physicians	25 : 10,000 people	1.26 per 10,000 people
Ration of nurses / midwives	97 : 10,000 people	15.3 per 10,000 people

Healthcare Staff



Doctors (3%)

Health Extension Officers (3.5%)

Nurses/Midwives (29.3%)

Community Health Workers
(34.5%)

Dental Officers (1%)

Allied Health (28.7%)

(Data from National health Plan 2011-2020 vol. 2)

Goroka District Hospital



Reality



Problems with Plumbing & Sewage





TAMAU LAM
PISPA NIA
DIFELA CH
DIFELA EN
NIA NIA B
TASA -
TANA MU.



PNG Infection Prevention Policy Guidelines for HCF

Hand Washing

Plain soap for routine hand washing. Comes in the form of bar soap, powder soap and liquid soap

Antiseptic soap for high risk areas

- Chlorhexidine gluconate 4% (Hibiclens)
- Providone Iodine (Betadine)
- 60-90% Alcohol with glycerine (antimicrobial)

Running water make every effort to provide a continuous supply of fresh water either from a tap or bucket

Clean dry towel, individual or paper towels are best. Wet dirty towels spread germs. If no clean towel it is best to air-dry your hands by simply waving them in the air. Do not dry them on your uniform.

ABHR Hand Hygiene Solution & Buy-in

1. ICLN
2. Executive buy-in
3. Pharmacy buy-in
4. Auditing



Required for success

- Good leadership from:
 - Executive
 - Pharmacy
 - Some Medical
 - Some Nurses
- Good placement of the ABHR on trolleys for ward & medication rounds
- A culture of believing ABHR is good

Transport bottles and pumps



Teaching Hand Hygiene

- Resources from Australia don't work
- Staff identify activities they do in the clinical environment
- List of procedures
- Use paint to understand how bacteria is transferred

Teaching Hand Hygiene

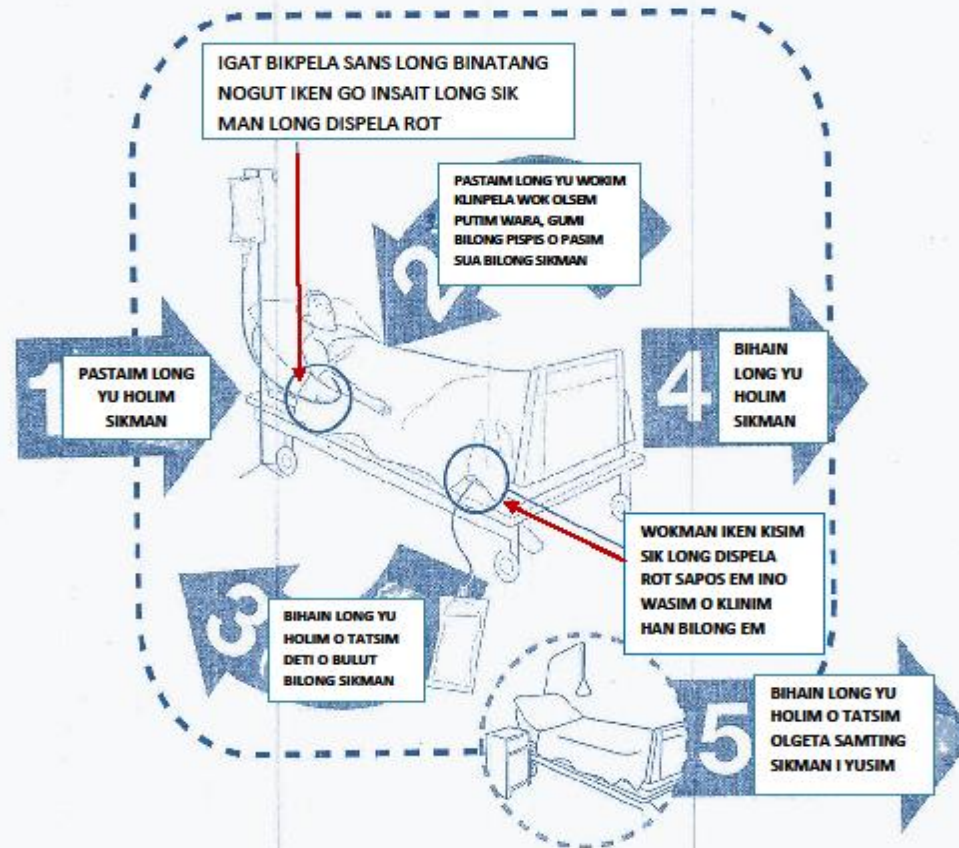
- Use of glitter bug
- Show water doesn't work without soap
- Glitter bug can also show the problem of using shared towels

Teaching auditing

- Post-it notes with a before or after scenario written on it. Use as quiz
- Role play
- Revise the 5 moments with competition who can find the correct moment
- Practice, practice & practice filling in the forms
- ? Entering data
- ? Analysing data

WANEM TAIM BAI YU KLINIM NA WASIM HAN

IGAT 5 PELA TAIM YU MAS KLINIM NA WASIM HAN BILONG YU



WOKMAN IMAS BIHAINIM OLGETA DISPELA
TAIM NA KLINIM O WASIM HAN MASKI SAPOS
EM I PUTIM GLAF LONG HAN



Celebrating and Recognition of Success



Goroka University 2015



Link Nurses Goroka

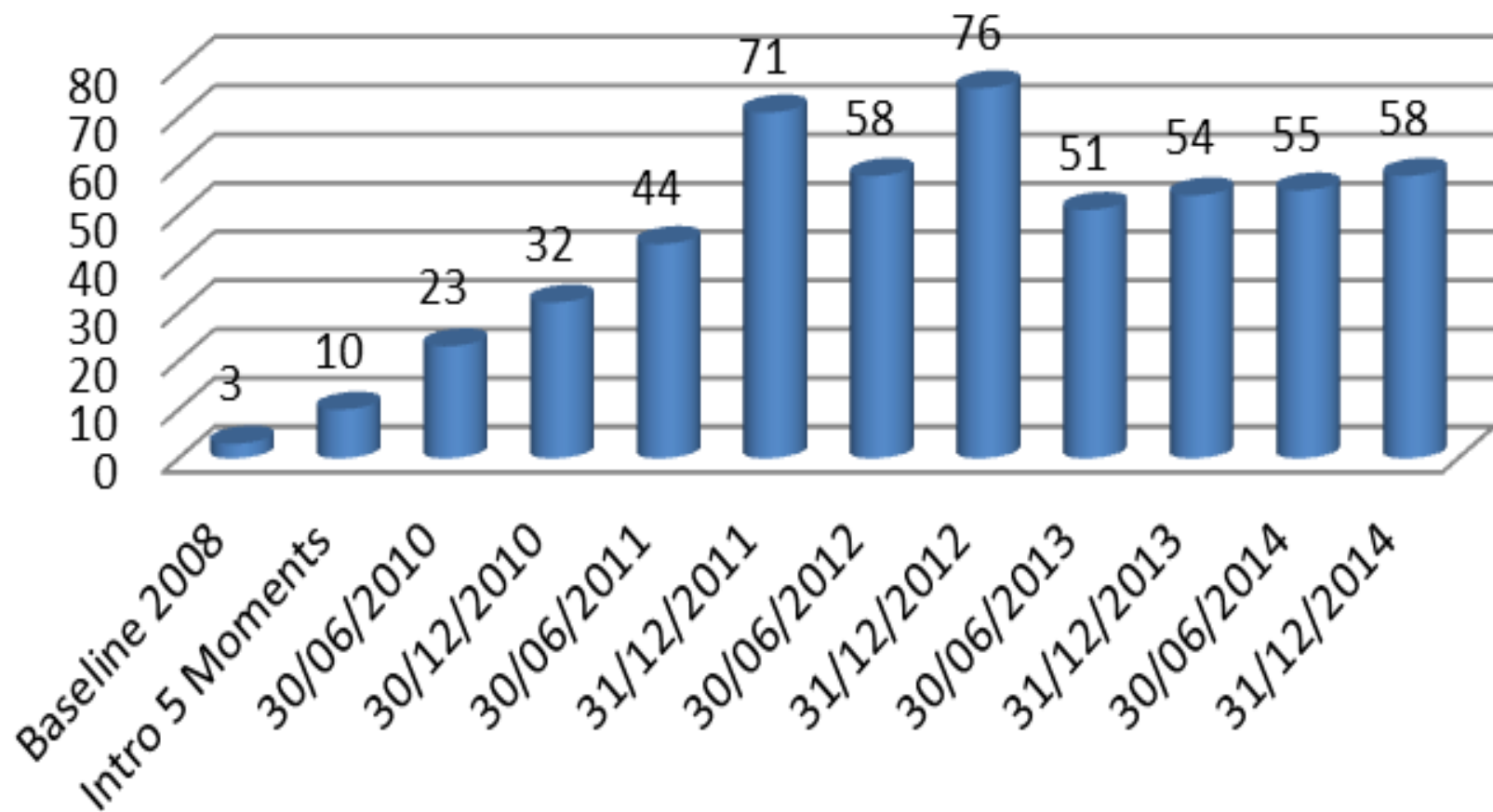


Issues over time

- Small number of moments audited
- Minimal computer literacy (need to wait for my visits to enter & analyse data)
- Minimal feedback
- Auditing fatigue
- Lack of bottles & brackets
- No bed ends
- Theft alcohol to drink
- Transportation difficulties of the ethanol



Goroka Provincial Hospital HH Compliance



Great ownership by Infection Control Officers

- Dispensing to wards
 - Time
 - Ensuring the bottles to be refilled are clean
- Giving education hospital / university / radio
- Celebrate World HH day
- Roll out the program to District and some rural aid posts



International Hand Hygiene Day 2013



“Celebrated WHH. Quite satisfying gave talks to more than 600 to 700 audiences. Very well satisfying” Schola IC Officer



Plan a visit to Kainantu next week to a practice hand hygiene auditing.

Rural Visits

10 people
travel in the
back of the
car along
with all the
supplies



Other Provinces

Simbu

- 2008
- 2014

Madang

- Currently in process

Port Moresby

- John Ferguson
- Sandy Berringer

Rabaul

- 2015

Kundiawa Hospital 2014



Hand Hygiene Training Kundiawa 2014



Kinantu

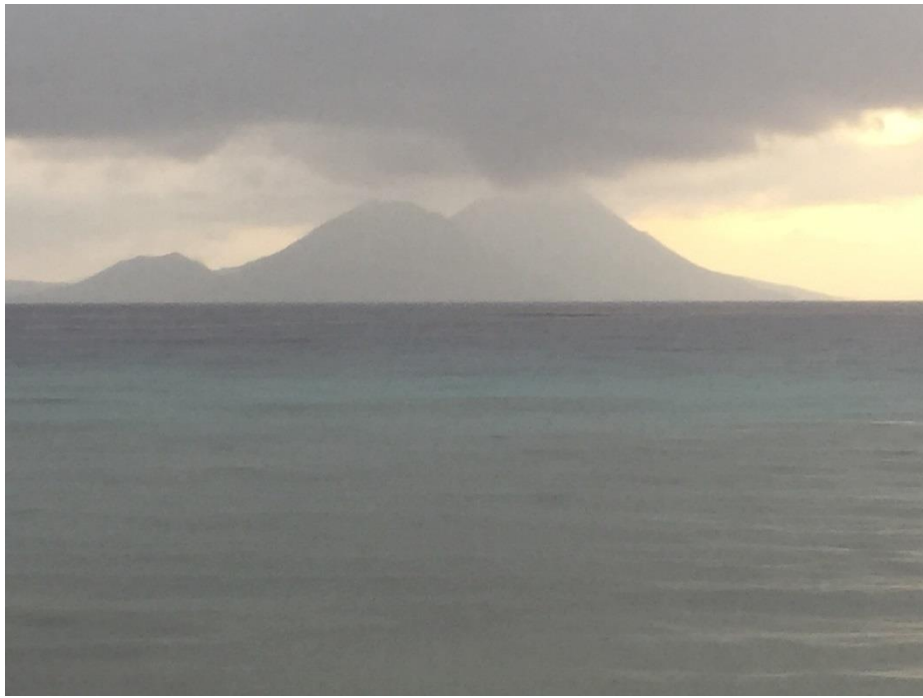


Rabaul 2015



Earthquakes





Thank-you

Questions?