

#### **OBJECTIVES** Discuss barriers affecting IC programs in remote settings Review available data on HAIs in remote area settings Discuss the impact of cultural differences on staff education and implementation of an effective IC program Describe how to survive the challenges of living and working in a remote location Review available data on key public health issues in the Torres Strait such as MDR TB, MRGNs Understand the impact of bridging the Gap - National Indigenous Health Equality Summit Targets

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#### POPULATION

- Thursday Island
  - Administrative hub for over 20 islands of which there is 25,000 inhabitants
  - 3500 on TI • TI PHC
  - TI Hospital
    - 26 beds. 2 ng Suite; E
  - est referral hospital (Cair = 850 km





















## PERSONAL PREVENTION OF SORES - HEALTHY SKIN

- Wash all over your body with soap & warm water daily
- Look for sores daily on all members of the family, if any sores are found:
  - clean **All sores** with antiseptic and cover with a bandaid
  - (never leave old or wet bandaids on sores)
- If sores have pus in or around them go to the clinic and have a Health Worker or Nurse look at it as you may need medication

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# HEALTHY FAMILY PERSONAL PREVENTION

- Sleep in a clean bed (everyone)
- Wash sheets & blankets (regularly)
- Air mattress in the sun (like every Saturday)

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- Wash clothes regularly
  - Wear clean clothes every day
- Wash towels (at least once a week when sickness is in the home wash more often)

# HEALTHY FAMILY ENVIRONMENTAL PREVENTION

- Animals to live outside the home (not inside)
- · Children should not play where dogs live or sleep
- Keep the dogs off beds and chairs
- If your dog seems sick get some advice
- Wash your dogs in dog wash (monthly)

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### OUTCOME AIM

**Healthy Skin Healthy Children Healthy Family Healthy Home Healthy Community** 

Thank you

# **APSGN History**

- The last large outbreak of acute post-streptococcal glomerulonephritis (APSGN) in Far North Queensland (FNQ) occurred in 1993-94. The full extent of that outbreak remains unknown but 100 cases (mostly Indigenous children) were hospitalised, mainly for the management of hypertension but some because of encephalopathy and/or acute renal failure.
- There were two APSGN-related deaths (both Indigenous children) in that outbreak, which lasted for many months and affected all five Health Service Districts in the Far North.



#### Torres Strait and Northern Peninsula Area

- There have been several major outbreaks of APSGN in district including the Outer Islands, Thursday Island & NPA
- August 2008 3 cases on TI offered prophylactic antibiotics (IM Penicillin unless contraindicated) to children 2-12 yrs.

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• Over 600 children required followup and Rx



# LONG TERM EFFECTS

• Nephritis can be severe, leading to rapid kidney failure, but this is rare. More often it would contribute to kidney failure later in life.

#### What is kidney failure?

- Signs and Symptoms often absent
- · May be lack of appetite, nausea and vomiting, fatigue, difficulty sleeping, dry and itchy skin, and passing a smaller amount of urine than normal.
  - Once the kidney fails completely clients have to be put on dialysis (Renal Dialysis) or have to get a transplant.
  - Chronic Kidney failure leads to early death

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# EPIDEMIDLOGY Melioidosis (Burkholderia pseudomallei) 5 year period, 23 cases diagnosed, 42.7/100,000 Highest documented to date in this region Gocurs due to: Prevalence of diabetes (independent risk factor ¾) High seasonal rainfall Lifestyle of TSI Presented with CA pneumonia or deep seated abscess 22% of cases died









What works well elsewhere probably won't work as well here









