## Head and neck cancers among Indigenous Australians living in Queensland, 1997-2012

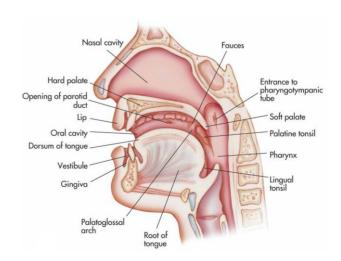
research prevention support

Newell Johnson (Griffith University), Susanna Cramb, Anura Ariyawardana (James Cook University), Gail Garvey (Menzies School of Health Research) and Peter Baade



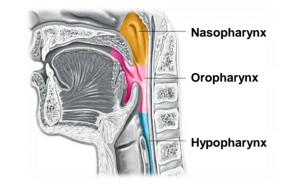
### Head & neck cancers (ICD-O3 C00-C14)

- Lip
- · Oral cavity
  - Tongue
  - Gum
  - Floor of mouth
  - Palate
  - Salivary glands
  - Tonsils
- Pharynx



### Head & neck cancers (ICD-O3 C00-C14)

- Lip
- Oral cavity
  - Tongue
  - Gum
  - Floor of mouth
  - Palate
  - Salivary glands
  - Tonsils
- Pharynx
  - Nasopharynx
  - Oropharynx
  - Hypopharynx



### Head & neck cancers



### Head & neck cancers: Issues

- Require massive surgery
- Disfigurement
- Disability and rehabilitation
- Cost/hospital stay
- Social
- Quality of life

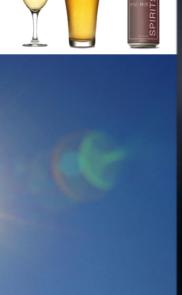








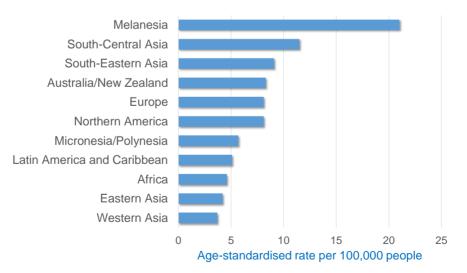
# Risk factors







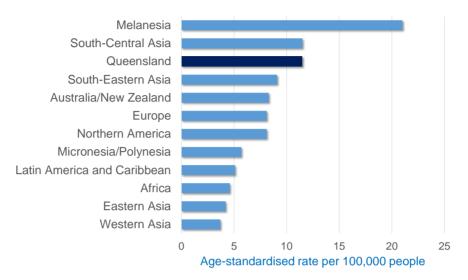
### Head and neck cancers incidence rate, 2012



Data source: GLOBOCAN 2012.

Notes: Rates age-standardised to the world (Segi) population.

### Head and neck cancers incidence rate, 2012

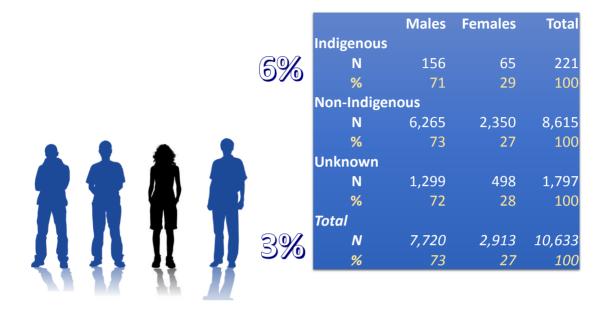


Data sources: GLOBOCAN 2012, except for Queensland (Queensland Cancer Registry). Notes: Rates age-standardised to the world (Segi) population.

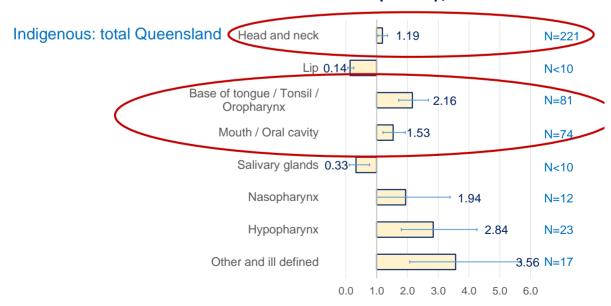
### **Study Aims**

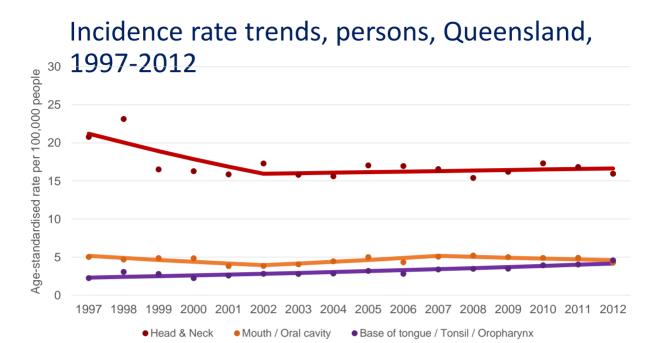
- To examine the Indigenous incidence differentials in head and neck cancers
- Calculate the trends in head and neck cancer incidence rates
- 3. To determine head and neck cancer survival disparities for Indigenous Queenslanders

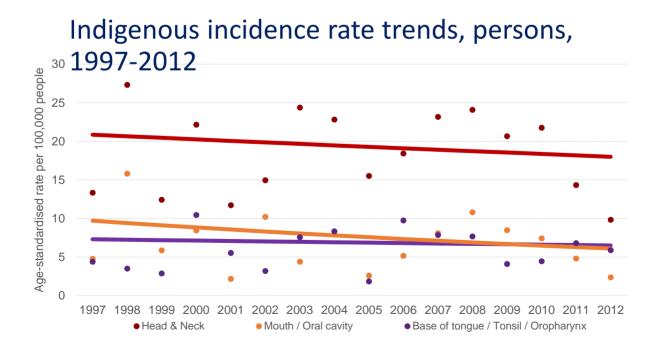
### Head & neck cancers, Queensland, 1997-2012



### Standardised Incidence Ratios (SIRs), 1997-2012







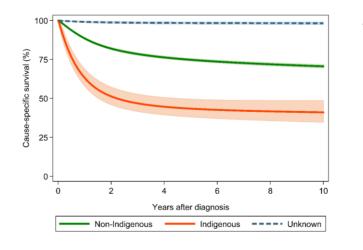
# Survival among Queenslanders by ethnicity, 1997-2012

- · Cause-specific survival in flexible parametric survival models
- Diagnosed during 1997 and 2011 aged 20-89 years, followed up to 2012
- Censored at 10 years follow-up, the 31 December 2012, or at non-cancer death (whichever came first)
- Adjusted for patient age at diagnosis (continuous variable), sex (male/female) and ethnicity (3 categories: Indigenous, non-Indigenous, and unknown)





# Head & neck cancer survival among Queenslanders by ethnicity, 1997-2012

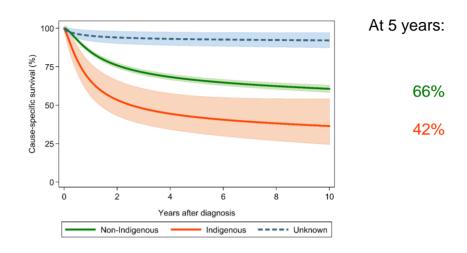


At 5 years:

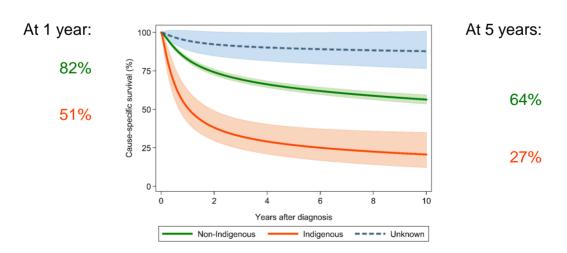
75%

43%

# Mouth & oral cavity cancer survival among Queenslanders by ethnicity, 1997-2012



# Base of tongue, tonsil & oropharynx cancers survival among Queenslanders by ethnicity



# Why??? Lack information on: Lifetime/Current smoking HPV positive Stage at diagnosis Treatment received

