

Immunisation of Indigenous people: Achievements and challenges

Rob Menzies



The University
of Sydney

NCIRS

National Centre for Immunisation Research and Surveillance

Additional vaccines for Indigenous people

- BCG
 - High prevalence areas
- Hib OMP
 - NT (all infants)
- Hepatitis A
 - NT, Qld, SA, WA
- Influenza 15+ years
- Pneumococcal 50+ years and 15-49 with risk factors
 - 15+ in NT

Presentation outline

VPD

- Children
 - Pertussis
 - Hep A
 - Men C

- Adolescents
 - HPV

- Adults
 - Influenza

Vaccination

- Timeliness
- Coverage

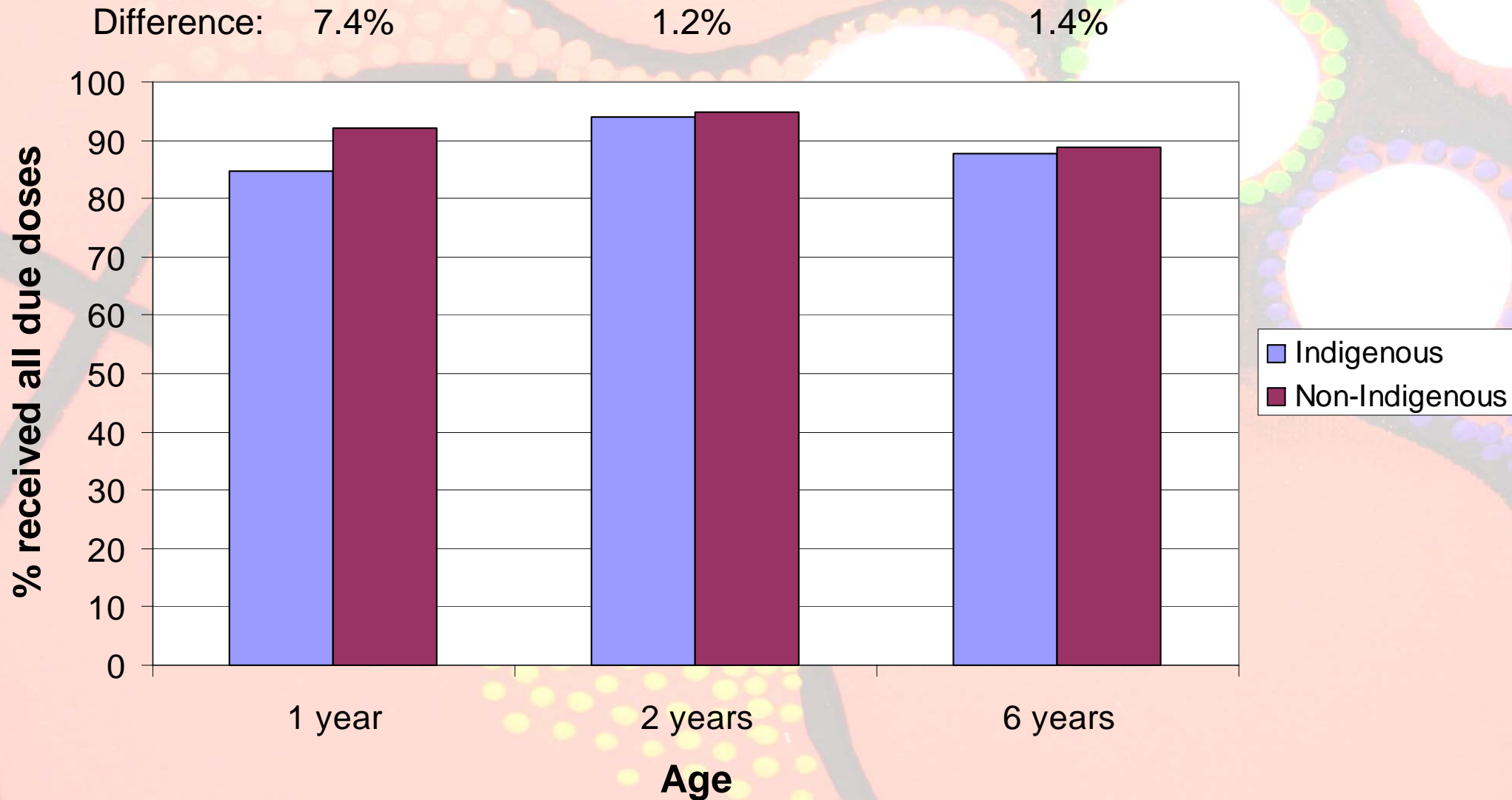
- Data scarcity

- Coverage

Children



DTP coverage, 2007

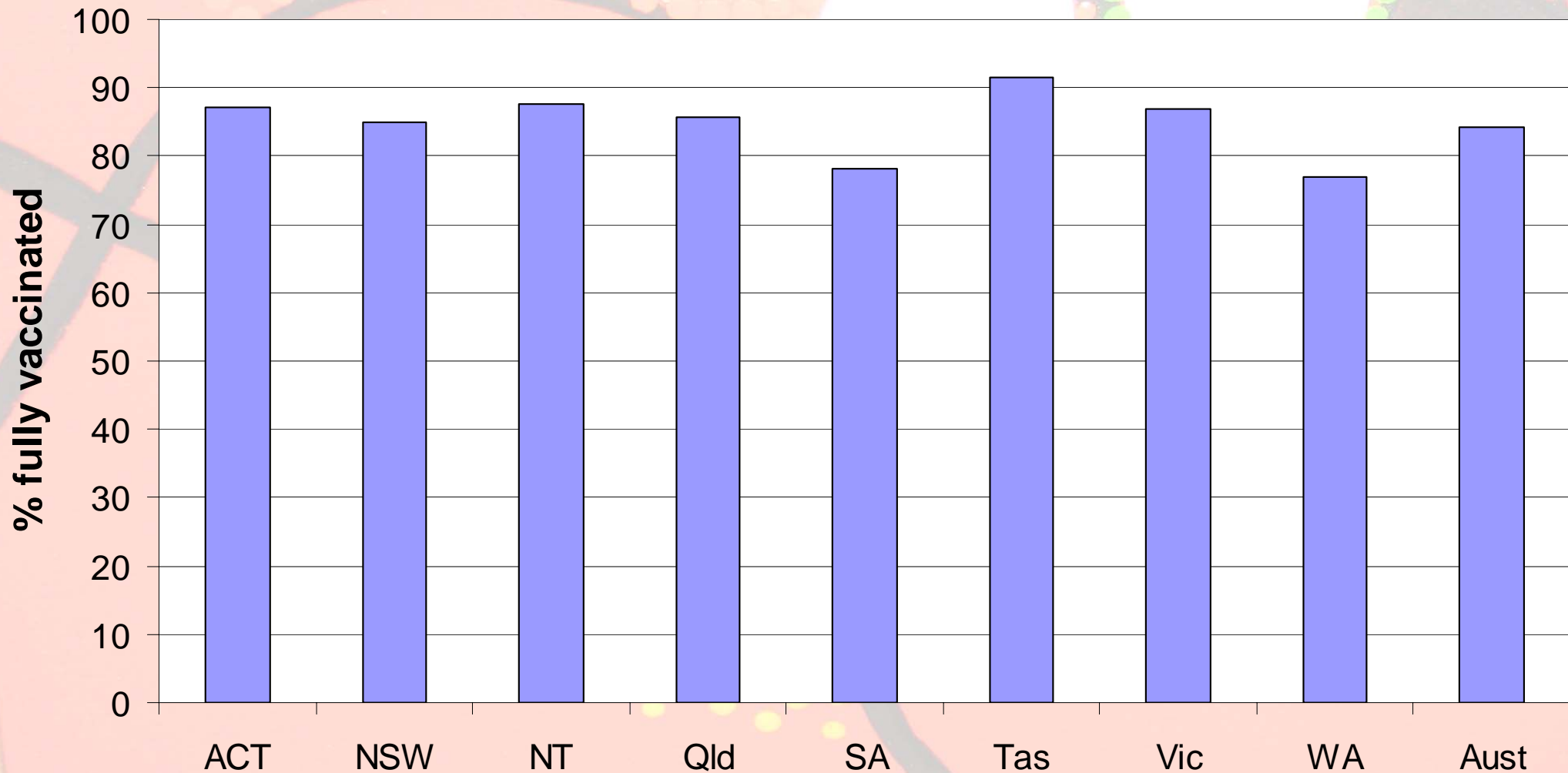


Source: Australian Childhood Immunisation Register

Vaccination delay, DTP3, born 2005

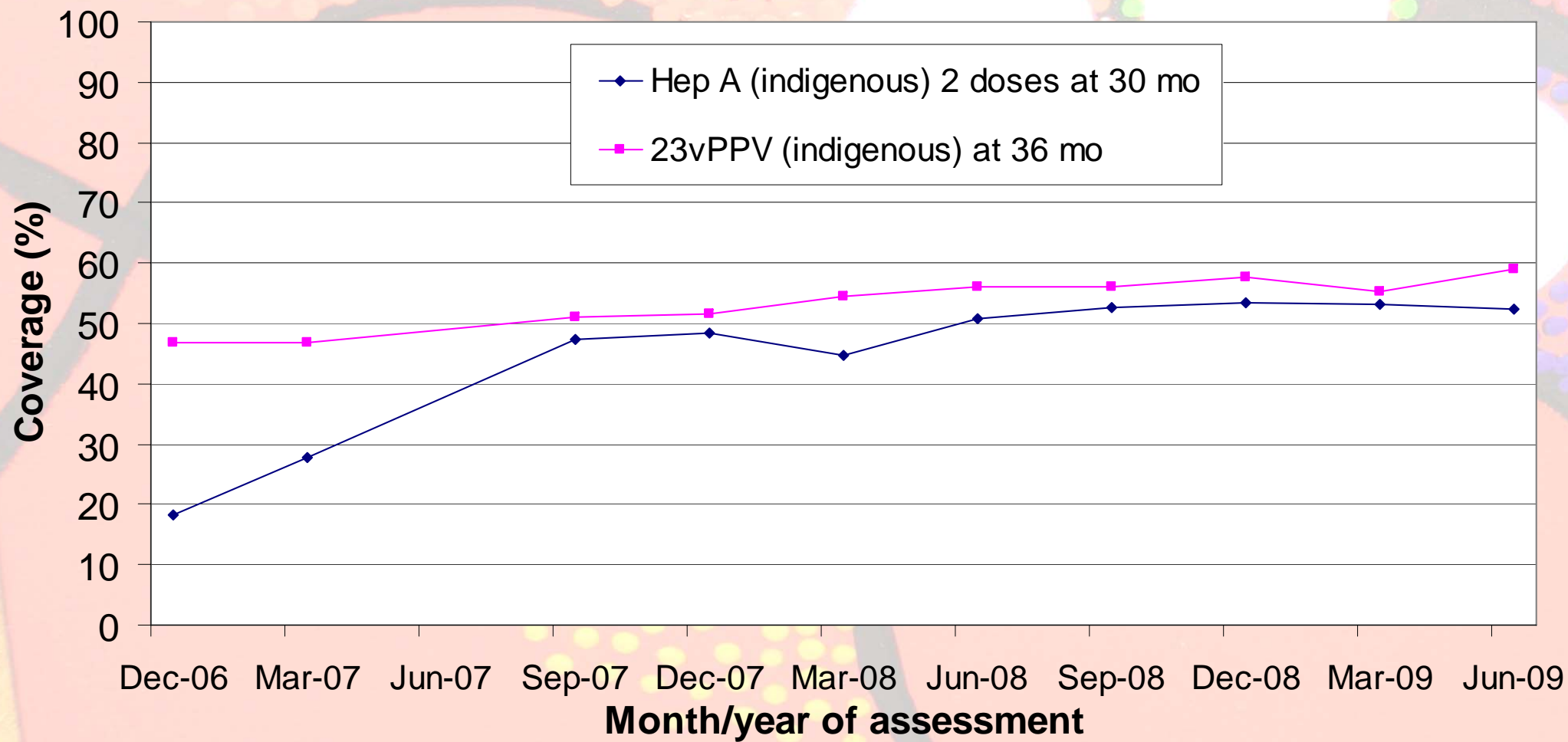


Indigenous children fully vaccinated, 12 months of age, 2007

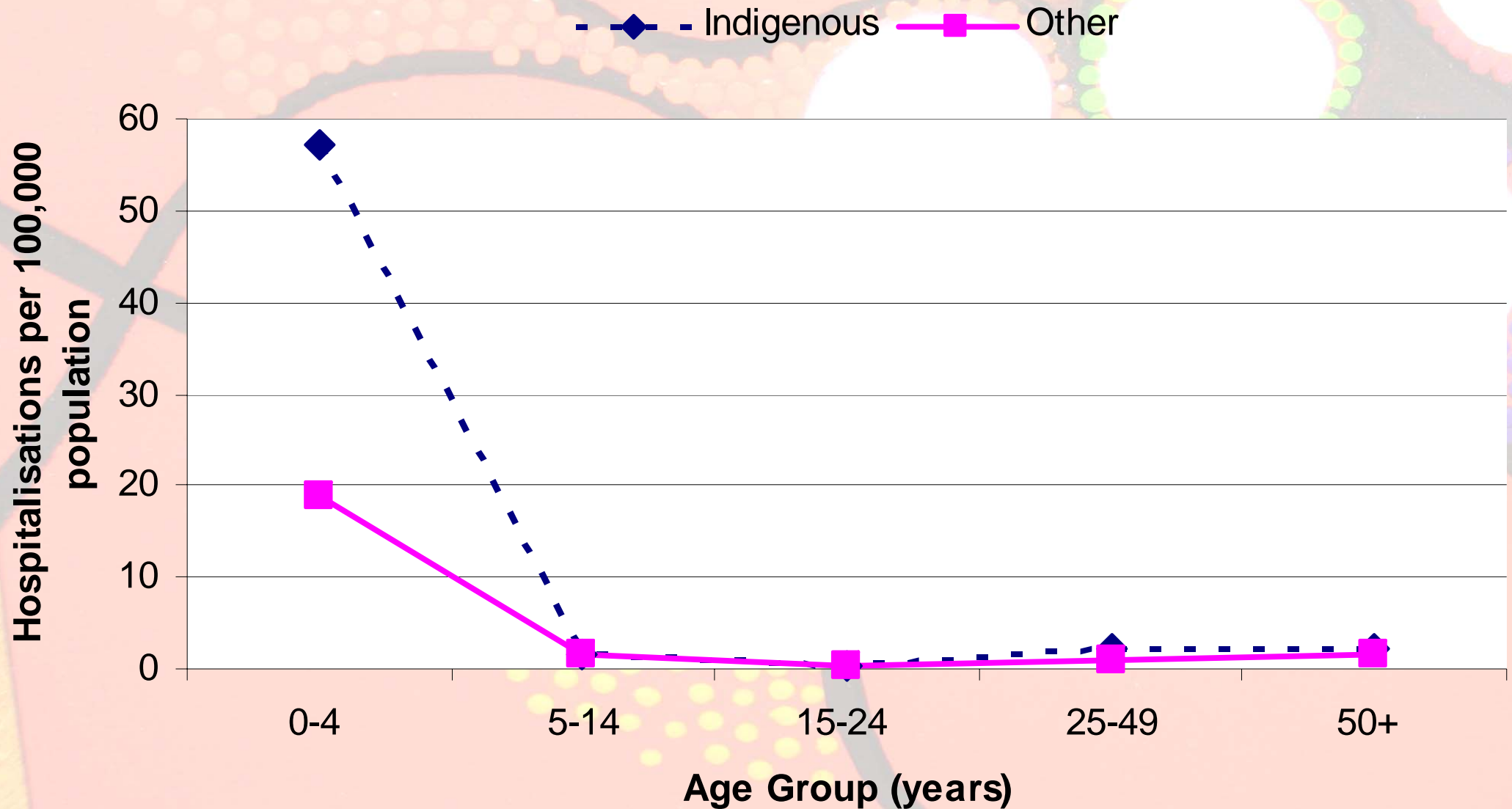


Source: Australian Childhood Immunisation Register

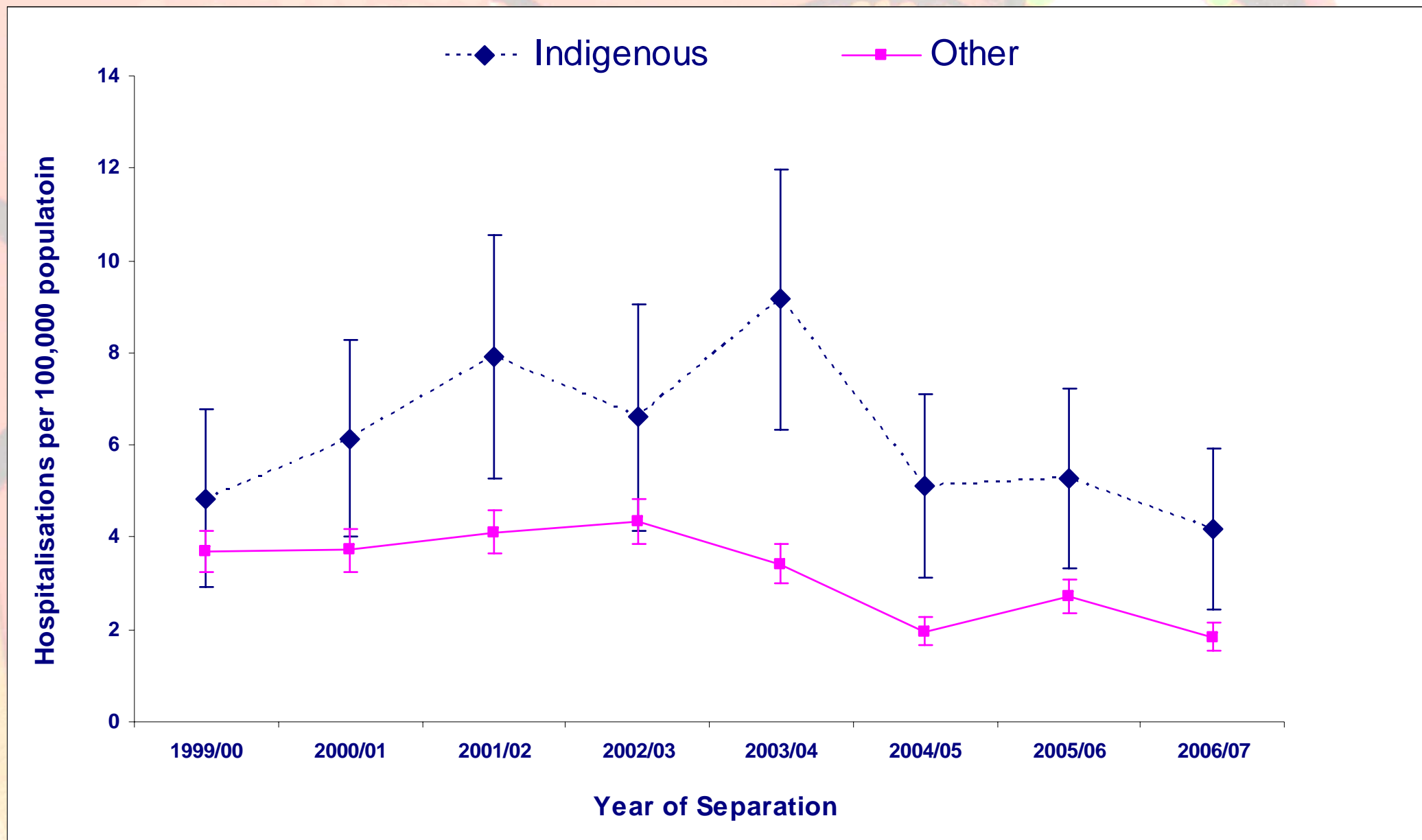
Coverage for Indigenous-only vaccines



Pertussis hospitalisations, 2003-06



Meningococcal hospitalisations by year, all ages



Meningococcal serogroup distribution 2003-06

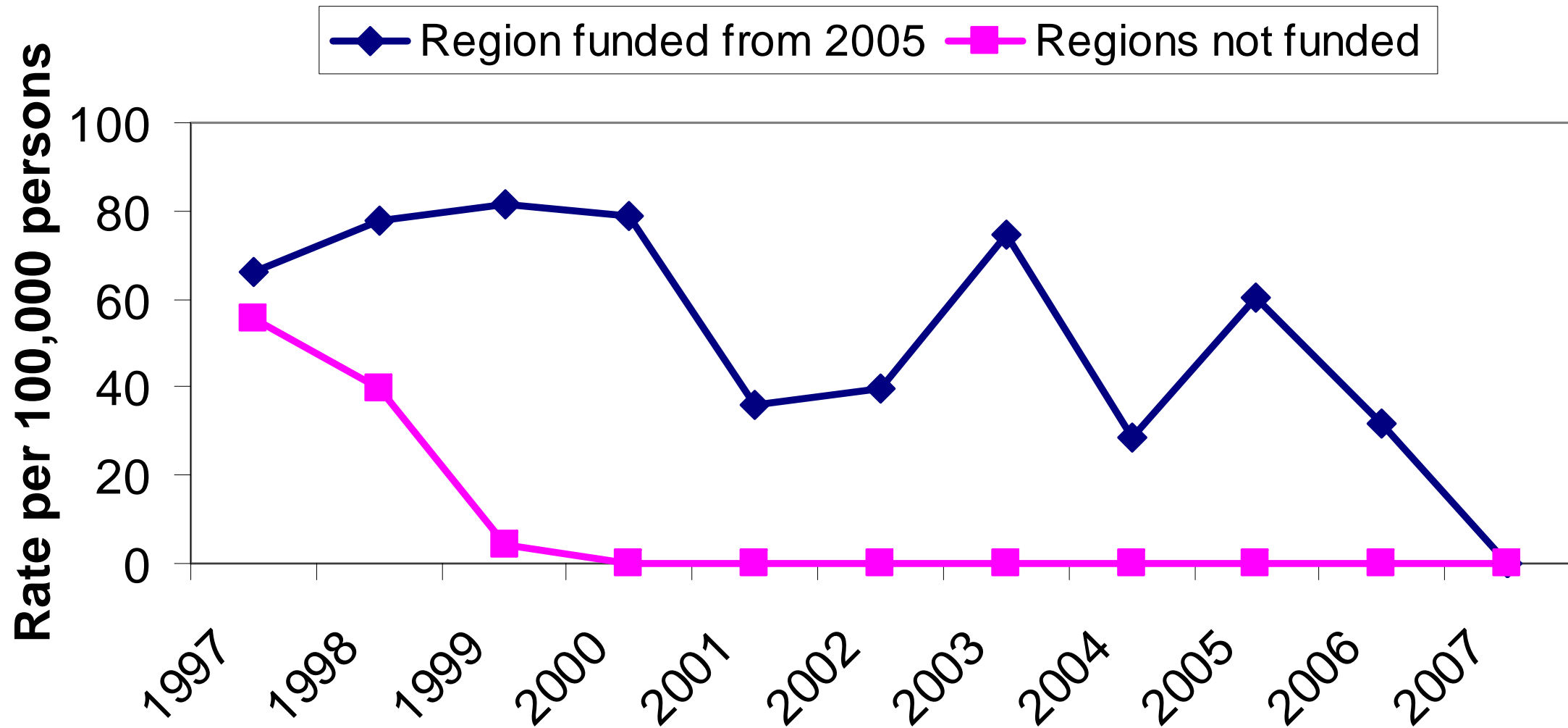
➤ Indigenous

- B 89%
- C 9%
- Other 2%

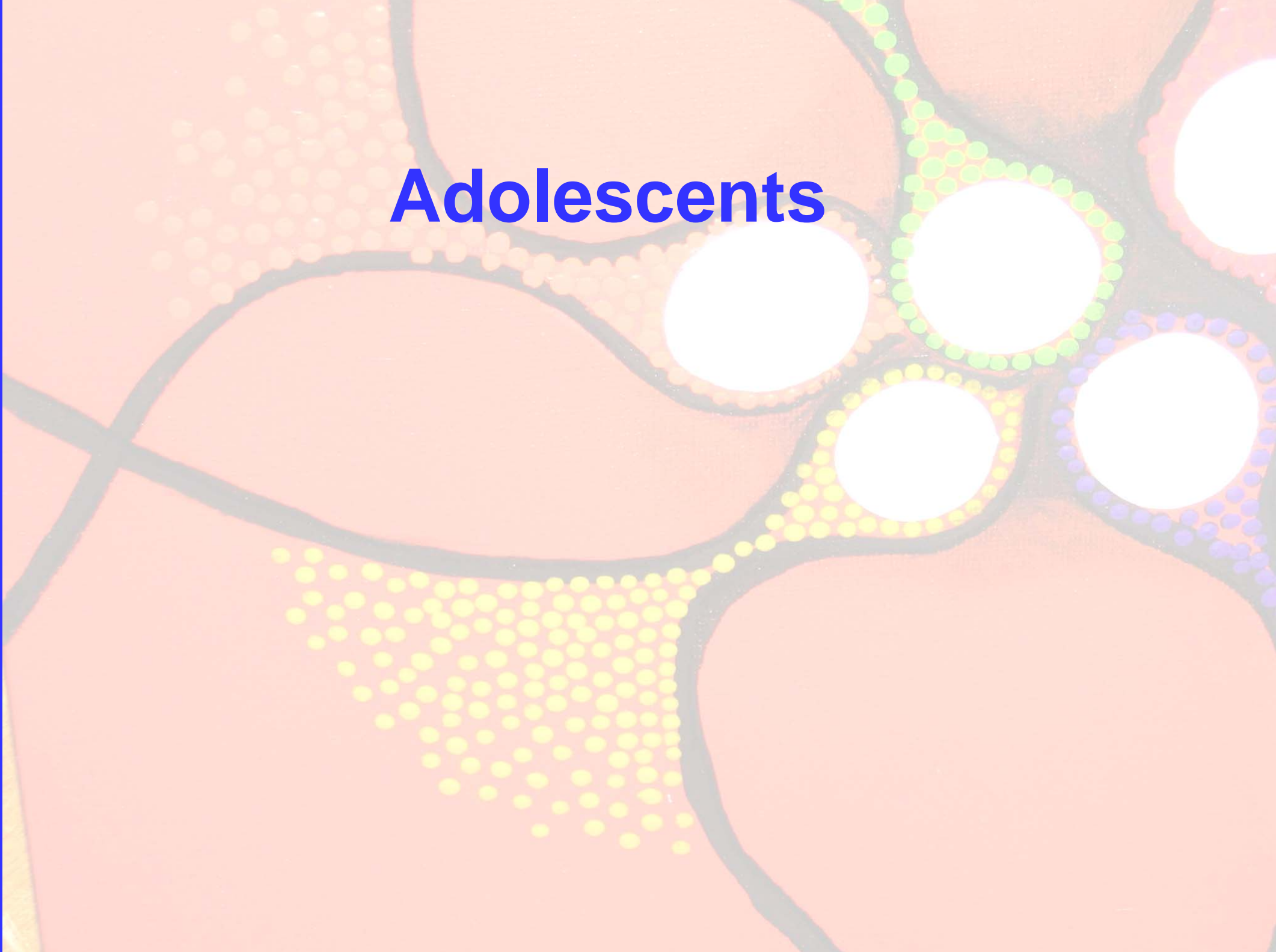
➤ Non-Indigenous

- B 71%
- C 22%
- Other 7%

Hepatitis A notifications, Indigenous children <5 years



Adolescents



HPV and adolescent vaccination

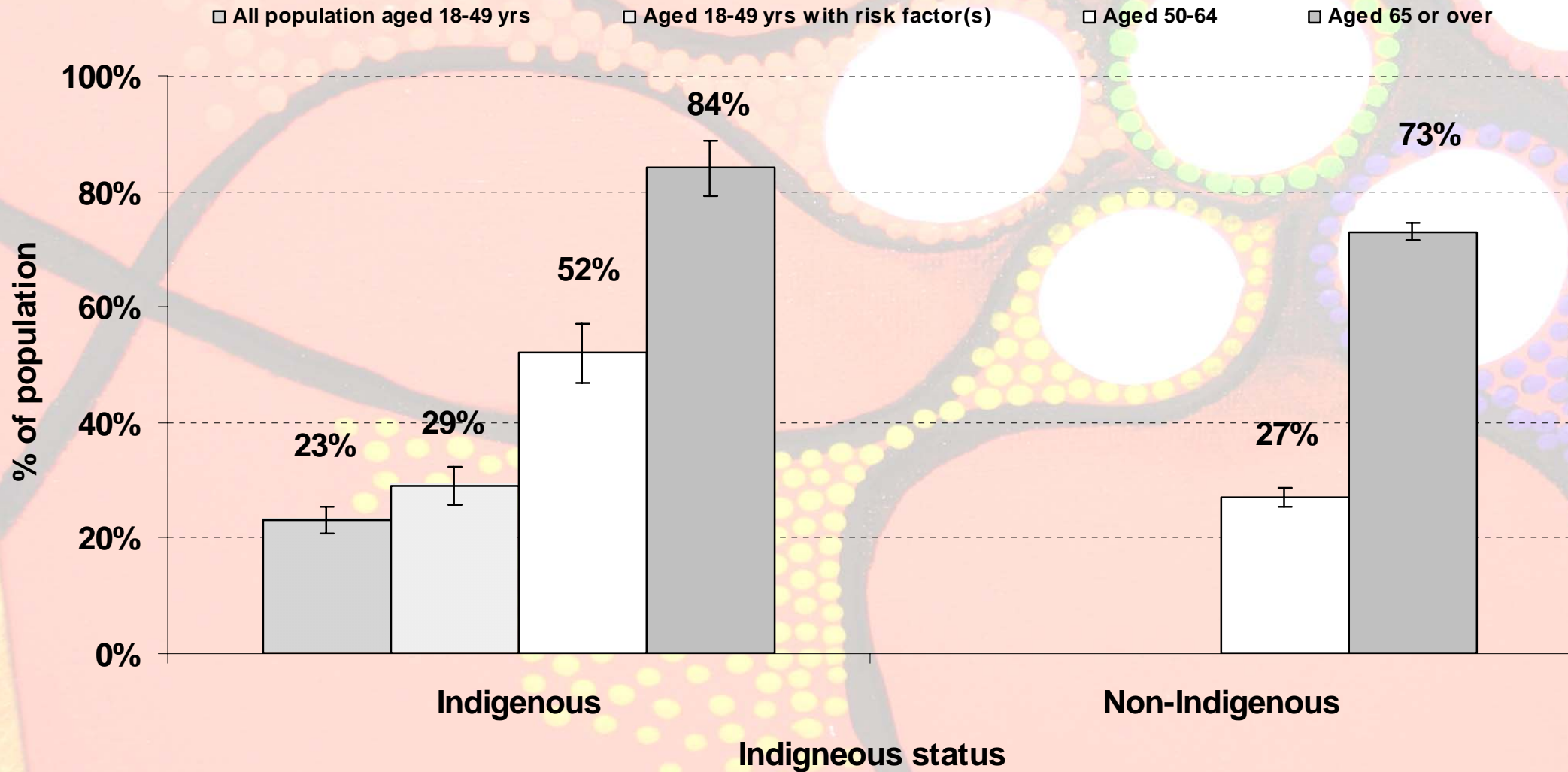
➤ Pre-vaccination

- Infection rates similar in Indigenous and non-Indigenous
 - Cervical cancer rates 2-fold higher
 - Cervical cancer mortality 5-10 times higher
- No data on coverage in Indigenous adolescents
- No information on school-based vaccination programs for Indigenous adolescents

Adults

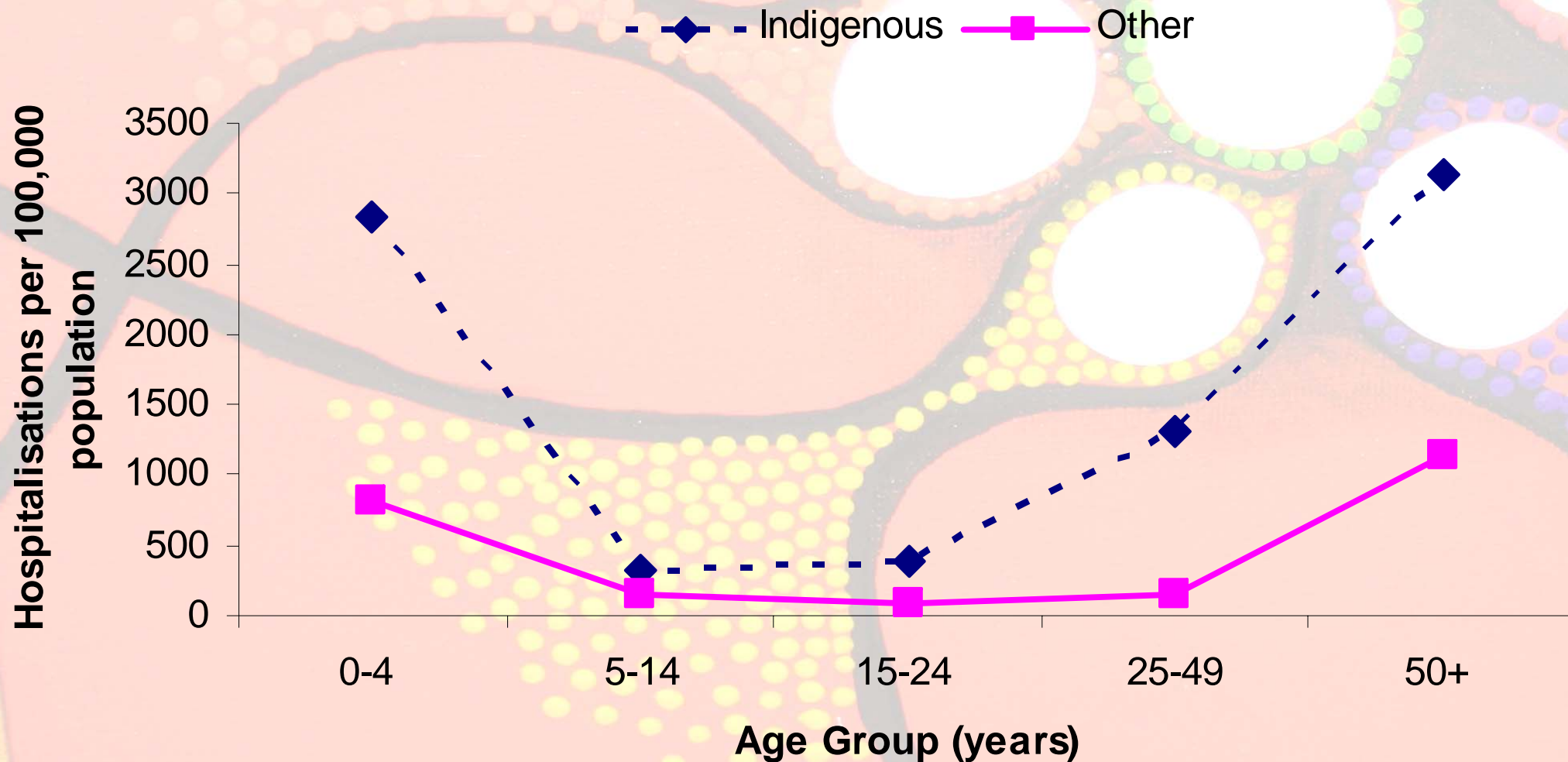


Influenza vaccination coverage

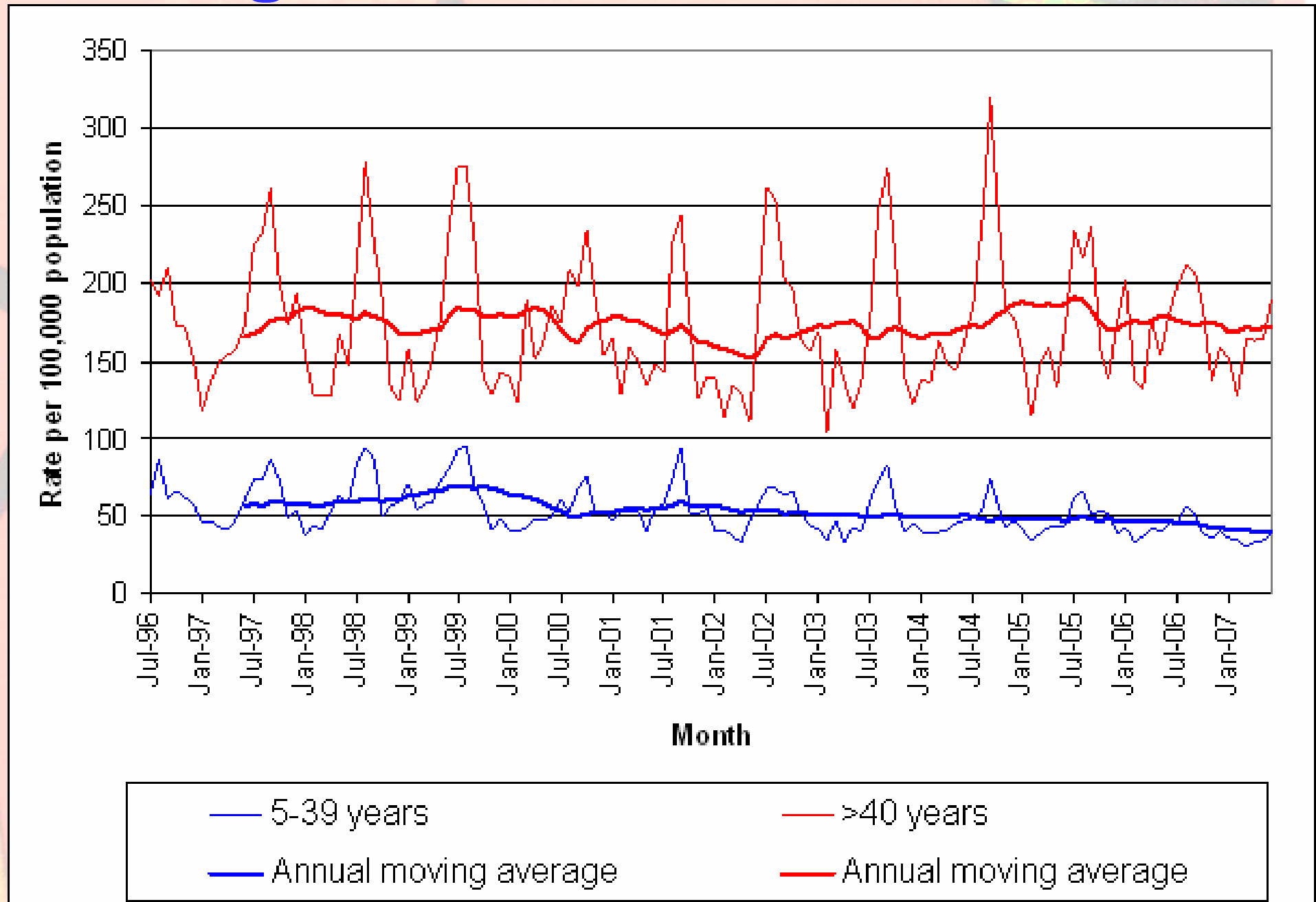


Source: Australian Bureau of Statistics National Aboriginal and Torres Strait Islander Health Survey, 2004-05

Hospitalisation for influenza or pneumonia, 2003-06



All-cause pneumonia hospitalisations: - Indigenous adults: Qld,NT,SA,WA



Achievements

- Polio, diphtheria, tetanus, measles, rubella
- Meningococcal C
- Hepatitis A
- Hepatitis B
- Hib
- Vaccine-type IPD
- Rotavirus?

- Coverage at 24 months

Challenges

- Timely vaccination at 2,4,6 months
 - Pertussis
 - IPD, pneumonia?
- Coverage for targeted vaccines
- Coverage in younger adults
- Pneumonia and IPD in younger adults
- Information about adolescent vaccination
- Conditions not covered by vaccines
 - Meningococcal B
 - Non-vaccine type IPD
 - Ear disease
 - Pneumonia



Australian Government
Department of Health and Ageing

Communicable Diseases Intelligence

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VACCINE PREVENTABLE DISEASES AND VACCINATION COVERAGE IN ABORIGINAL AND TORRES STRAIT ISLANDER PEOPLE, AUSTRALIA, 2003 TO 2006

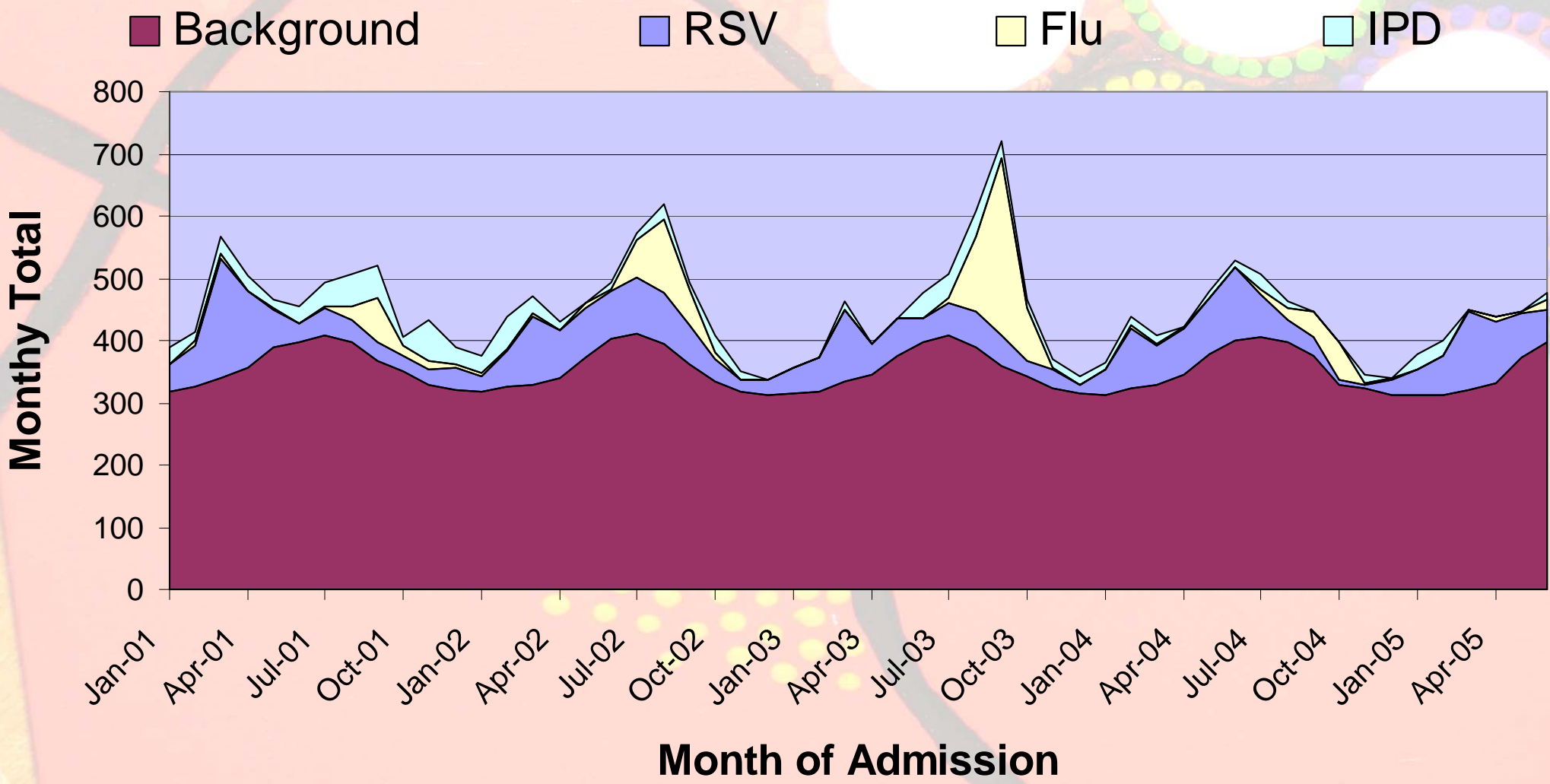


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Model attribution of causes of acute respiratory hospitalisation



Pertussis by year

