

# Partnering to Improve the oral health of Aboriginal and Torres Strait Islander adolescents

<b>Submission date</b> 11/10/2021	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
<b>Registration date</b> 19/10/2021	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 29/07/2022	<b>Condition category</b> Oral Health	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

### Background and study aims

Australian Aboriginal adolescents experience poorer oral health than non-Aboriginal adolescents. This is largely due to the inequities to culturally competent oral health services and oral health promotion programs, the social determinants of health and the long-standing effects of colonisation. This study aims to increase fluoride treatment, increase tooth brushing, increase the consumption of water, improve nutrition and enhance social and emotional well-being among Aboriginal adolescents in New South Wales, Victoria and Queensland, Australia.

### Who can participate?

Aboriginal adolescents aged 10-19 years living in New South Wales, Victoria and Queensland, Australia

### What does the study involve?

The study will involve five strategies including distribution of electric toothbrushes, high-strength fluoride toothpaste and the use of SMS reminders and toothbrushing apps; quarterly application of topical fluoride; installation of refrigerated and filtered water fountains and water bottle programs; group nutrition and oral health education sessions and a peer-led buddy system.

### What are the possible benefits and risks of participating?

The possible benefits include improved oral health and overall general health and social and emotional well-being. The researchers do not anticipate any risks of participating.

### Where is the study run from?

Poche Centre for Indigenous Health (Australia)

### When is the study starting and how long is it expected to run for?

March 2017 to December 2023

### Who is funding the study?

Poche Centre for Indigenous Health (Australia)

Who is the main contact?  
Dr John Skinner  
john.skinner@sydney.edu.au

## Contact information

### Type(s)

Public

### Contact name

Dr John Skinner

### Contact details

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## Additional identifiers

### Clinical Trials Information System (CTIS)

Nil known

### Protocol serial number

1

## Study information

### Scientific Title

The Indigenous Adolescent Oral Health Partnership Study (IAOHPS); a co-design study protocol

### Acronym

IAOHPS

### Study objectives

This study hypothesises that working with Aboriginal youth and adolescents in New South Wales, Victoria and Queensland to co-design an oral health promotion program that addresses the social determinants of health and includes evidence-based strategies can improve the oral health of Aboriginal youth in New South Wales, Victoria and Queensland.

### Ethics approval required

Old ethics approval format

### Ethics approval(s)

Approved 28/08/2017, NSW Aboriginal Health and Medical Research Council (35 Harvey St, Little Bay NSW 2036, Australia;  
+61 (0)2 9212 4777; ethics@ahmrc.com.au), ref: 1281/17

## **Study design**

Co-designed multidisciplinary mixed-methods study

## **Primary study design**

Interventional

## **Study type(s)**

Prevention

## **Health condition(s) or problem(s) studied**

Oral disease including dental caries and gum disease

## **Interventions**

1. Distribution of electric toothbrushes, high strength fluoride toothpaste and the use of SMS reminders and toothbrushing apps
2. Quarterly application of topical fluoride
3. Installation of refrigerated and filtered water fountains and water bottle programs
4. Group nutrition and oral health education sessions
5. Peer-led buddy system

The duration of the interventions will be 12 months with follow up at 18 and 24 months.

## **Intervention Type**

Mixed

## **Primary outcome(s)**

Dental status measured using the dmft/DMFT index at baseline and completion of the study (24 months)

## **Key secondary outcome(s)**

1. Confidence of dental assistants who apply fluoride varnish, measured using a Likert scale at baseline and completion of the study (24 months)
2. Satisfaction of participants with the program, measured using a Likert scale at 6, 12, 18 and 24 months of the study
3. Use of the water fountain measured using a water meter tracker at 12, 18 and 24 months
4. Self-reported changes in diet and oral hygiene behaviours measured using a questionnaire at baseline and completion of the study (24 months)

## **Completion date**

31/12/2023

## **Eligibility**

### **Key inclusion criteria**

Aboriginal adolescents aged 10 - 19 years living in NSW, Victoria and Queensland, Australia

**Participant type(s)**

Other

**Healthy volunteers allowed**

No

**Age group**

Child

**Lower age limit**

10 years

**Upper age limit**

19 years

**Sex**

All

**Key exclusion criteria**

1. Non-Aboriginal adolescents
2. Aboriginal adolescents residing outside of catchment area

**Date of first enrolment**

01/02/2022

**Date of final enrolment**

14/03/2022

**Locations****Countries of recruitment**

Australia

**Study participating centre****Armajun Aboriginal Health Service**

1 Rivers Street

Inverell

Australia

2360

**Study participating centre****Albury Wodonga Aboriginal Health Service**

644 Daniel Street

Glenroy

Australia

2640

# Sponsor information

## Organisation

Poche Centre for Indigenous Health

## Funder(s)

### Funder type

University/education

### Funder Name

Poche Centre for Indigenous Health

# Results and Publications

## Individual participant data (IPD) sharing plan

Participant level data will not be made available as it is the property of the Aboriginal Community Controlled Health Service where the participant seeks health services. This is in line with the ethics approval which states that data must be held by the Aboriginal community of where it originates from to protect the rights and privacy of Aboriginal people. The data will be held on the medical software programs used by the health service.

## IPD sharing plan summary

Not expected to be made available

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Protocol article</a>		26/07/2022	29/07/2022	Yes	No