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

Submission date	**Recruitment status**	[X] Prospectively registered
11/10/2021	No longer recruiting	[X] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
19/10/2021	Completed	[ ] Results
Last Edited	**Condition category**	[ ] Individual participant data
29/07/2022	Oral Health	[ ] 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
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Contact information

Type(s)
Public

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Additional identifiers

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

Primary study design
Interventional

Study design
Co-designed multidisciplinary mixed-methods study

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?
Protocol article		26/07/2022	29/07/2022	Yes	No