

Plan Overview

A Data Management Plan created using DMPTool

DMP ID: <https://doi.org/10.48321/D1PG9D>

Title: The impact of globalization on oral health in the Pacific

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Template: Digital Curation Centre

Project abstract:

A literature and art review of oral health at the time of European contact and throughout written history and a survey on the oral health quality of native Pacific Islanders today to examine the effects of globalization more specifically the introduction of highly processed carbohydrates and sugars have influenced the oral health of Indigenous Pacific Islanders.

Start date: 04-18-2023

End date: 04-18-2025

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The impact of globalization on oral health in the Pacific

Oral health quality

Eating habits

Oral hygiene practices

Personal accounts of changes in time

Present-day data will be collected by a team of scholars and Tahitian dentists on a truck offering free dental consultations. Patients being consulted will then be asked if they want to participate in this study, if so they are asked questions orally and given a comprehensive exam analyzing their oral health quality.

Historic data will be collected from personal accounts and a literature/art review.

Protocol.io for detailed protocols.

Spreadsheets containing cleaned and sorted datasets.

Consent will be asked every step of the way of data collection to ensure all participants are willing to have data made public. No identifiable information will be collected unless older participants whose personal accounts are requested want to be named.

Question not answered.

Data recorded on paper will be transferred to spreadsheets or electronic forms where they can be stored more securely. Collaborators and stakeholders will have access to raw datasets.

Collaborators will have access to edit raw datasets documents, whereas stakeholders will only have access as viewers.

Question not answered.

Question not answered.

Question not answered.

Principal Investigator: Kenechi Elvis Obiorah

Tahitian dentists who are going to be paid for their time

A truck for consultations and data collection

Planned Research Outputs

Dataset - "Oral health quality and hygiene practices of native Pacific Islanders on Moorea, French Polynesia"

With consent from participants, data were collected during consultations with Tahitian dentists and compiled to access the oral health quality of each patient. Cavities, gum diseases, severe tooth decay/dead teeth, and gum recession. Diet information was also collected, and separated into two simple categories, a more traditional diet vs a more "Western diet". Of more the western diet, food types were accessed, foods high in refined sugar mainly or not. Then oral hygiene practices were surveyed, the western standard is to brush at least twice a day and floss at least once. Other oral hygiene practices were surveyed aswell: the use of chewing sticks, the use of picks, and the use of salt.

Collection - "A digital collection of art pieces and literature describing/showing oral health quality of Native Pacific Islanders at early contact time."

Art pieces showing oral health quality (full set of teeth) will be compiled into a digital document. A literature review of journals and papers describing oral health quality from missionary/colonists/military accounts during the early contact period of Westerners in the Pacific.

Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Oral health quality and hygiene practices of nativ ...	Dataset	2025-08-17	Open	None specified		None specified	None specified	Yes	Yes
A digital collection of art pieces and literature ...	Collection	2024-04-17	Open	None specified		None specified	None specified	No	No