

# Mouth sores from dentures in older adults in the UAE: how common are they and what causes them

<b>Submission date</b> 17/12/2024	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 28/12/2024	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 27/12/2024	<b>Condition category</b> Oral Health	<input type="checkbox"/> Individual participant data <input checked="" type="checkbox"/> Record updated in last year

## Plain English summary of protocol

### Background and study aims

Denture stomatitis refers to sores that form on the soft tissues of the mouth, often affecting people who wear removable dentures. These sores can appear as small, isolated sore spots, larger red patches, or even areas of soft tissue growth, commonly on the roof of the mouth. The goal of this study is to find out how common denture stomatitis is among older adults in the UAE who wear removable dentures. In addition, the study will look at which factors may lead to the development or worsening of these sores. By better understanding this condition, we hope to help health officials plan ways to prevent and manage it more effectively.

### Who can participate?

Men and women who are 50 years of age or older, who have been wearing removable dentures for at least 1 year

### What does the study involve?

If you choose to participate, you will have a standard dental examination of your mouth using a simple mouth mirror and a dental explorer. You will also be asked to complete a brief questionnaire about your general health, dental and denture history, and oral hygiene habits.

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

There are no known risks to participating in this study. Although you will not receive any direct personal benefit, the information we gather will be valuable to the community. It will help us understand how common these sores are and what causes them, and in turn, assist government health agencies in developing plans to manage and prevent this condition in the future.

### Where is the study run from?

Ras Al Khaimah Specialized Dental Center (United Arab Emirates)

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

May 2023 to June 2025

Who is funding the study?  
Investigator initiated and funded

Who is the main contact?  
Dr Nabeel Alsabeeha, nabeel.galeb@ehs.gov.ae

## Contact information

### Type(s)

Public, Scientific, Principal investigator

### Contact name

Dr Nabeel Alsabeeha

### ORCID ID

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### Contact details

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## Additional identifiers

### Clinical Trials Information System (CTIS)

Nil known

### ClinicalTrials.gov (NCT)

Nil known

### Protocol serial number

MOHAP/DXB-REC/ J.J.J /No.78 / 2023

## Study information

### Scientific Title

Denture stomatitis in older adult population in the United Arab Emirates: a cross-sectional study on prevalence and associated risk factors

### Study objectives

What is the prevalence rate of denture stomatitis among older adult denture wearers in the UAE, and what are its associated risk factors?

### Ethics approval required

Ethics approval required

**Ethics approval(s)**

approved 21/06/2023, Ministry of Health and Prevention Research Ethics Committee (Muhaisna 2, SMBZ Road, Dubai, PO Box 3071, United Arab Emirates; +971 (0)8001111; info@mohap.gov.ae), ref: MOHAP/DXB-REC/ J.J.J /No.78 / 2023

**Study design**

Observational cross-sectional study

**Primary study design**

Observational

**Study type(s)**

Diagnostic, Screening

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

Denture stomatitis

**Interventions**

A sample of older adults (aged >50 years) will be clinically examined for the presence of denture stomatitis. Additionally, each participant will be required to fill up a structured questionnaire to collect relevant information including demographic data, medical and dental histories, habits, and denture history, usage and hygiene. The participant's existing denture will also be examined to evaluate its quality based on standard criteria.

**Intervention Type**

Other

**Primary outcome(s)**

The prevalence rate of denture stomatitis in the target population, determined by direct clinical examination to identify the affected individual and the type of condition. Measured at a single timepoint for each participant.

**Key secondary outcome(s)**

Risk factors for denture stomatitis determined from medical history and structured questionnaires. Measured at a single timepoint for each participant.

**Completion date**

30/06/2025

**Eligibility****Key inclusion criteria**

1. Male or female patients 50 years and above
2. Wearing removable partial and/or complete dentures for at least 1 year
3. Willing to comply with research visits and follow-up as needed
4. Able to provide informed consent

**Participant type(s)**

Patient, Service user

**Healthy volunteers allowed**

No

**Age group**

Senior

**Lower age limit**

50 years

**Upper age limit**

90 years

**Sex**

All

**Key exclusion criteria**

1. Patients with denture use of less than 1 year
2. Patients under radiotherapy or immunosuppressive medications
3. Patients with mental illness or drug abuse
4. Patients unable to provide informed consent

**Date of first enrolment**

23/12/2024

**Date of final enrolment**

30/06/2025

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

United Arab Emirates

**Study participating centre**

**RAK Specialized Dental Center**

18 Al Mashfa Street, Al Juwais

Ras Al Khaimah

United Arab Emirates

PO Box 3071

**Sponsor information****Organisation**

Ministry of Health and Prevention

# Funder(s)

## Funder type

Other

## Funder Name

Investigator initiated and funded

# Results and Publications

## Individual participant data (IPD) sharing plan

The datasets generated and/or analyzed during the current study are not expected to be made available due to data protection regulations.

## 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="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes