

# A Wearable System for Sensing of Head and Mouth Activities

Published date: July 6, 2016

## Technology description

### Executive Summary

Many health issues related to obesity stem from poor eating and swallowing habits. Patients often report incorrect or misleading information about their eating habits to their doctor. A new technology developed by MSU inventors allows for the continuous unbiased monitoring of eating and swallowing health.

### Description of Technology

This MSU technology is a wearable unit that can gather information on mouth and swallowing activities. The user wears sensors on the shoulders and wearable to collect the raw data on their arm. This technology protects the privacy of the user and allows for a full range of normal activities.

## Application area

### Health monitoring

User can gather information about eating, and swallowing health

## Advantages

Accurately monitor eating and oral health

Protects privacy: previous technology relied on the use of microphones

Unobtrusive: user can wear the technology without impedance to everyday activity

## Institution

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