

## Development of Tobacco Related Biomarkers

**Status:** Recruiting

### Eligibility Criteria

**Sex:** Male or Female

**Age Group:** 18 years and over

This study is NOT accepting healthy volunteers

**Inclusion Criteria:**

This study is recruiting people who fit one of the following: - formerly smoked cigarettes daily - uses smokeless tobacco - smokes cigars - uses nicotine gum, lozenges, patches, nasal spray, pouches, or inhaler

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**Exclusion Criteria:**

- younger than 21 years old - smokes or vapes marijuana

### Conditions & Interventions

**Conditions:**

Community Health, Prevention & Wellness

**Keywords:**

chewing, cigarettes, cigars, nicotine, smokeless tobacco, smoking, tobacco, vaping, gum, patches

### More Information

**Description:** To maintain a biorepository (sample bank) of biological samples from different tobacco users and non-users to investigate how tobacco and nicotine products affect our bodies. The samples will be used by researchers to develop methods to look for biological "markers" (biomarkers), or chemical changes in the body, that occur due to tobacco or nicotine exposure. The goal is to eventually use these biomarkers to improve detection, prevention, and treatment strategies for tobacco-related diseases.

**Study Contact:** Biomarkers Study - [biomarkers@umn.edu](mailto:biomarkers@umn.edu)

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**IRB**

**Number:** STUDY00021394

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