

## Investigating Vaped Phenanthrene Biomarkers in Former Smokers

**Status:** Recruiting

### Eligibility Criteria

**Sex:** Male or Female

**Age Group:** 18 years and over

This study is NOT accepting healthy volunteers

**Inclusion Criteria:**

- In good health - 21 years or older - Previously smoked cigarettes daily for at least 10 years - Have been completely quit for at least 1 year - Have tried vaping at least once - Willing to vape a study compound (does not contain nicotine)

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**Exclusion Criteria:**

- Current smoker

### Conditions & Interventions

**Conditions:**

Prevention & Wellness

**Keywords:**

cigarettes, former smokers, non-smoker, previous smokers, smoked, tobacco, vape, vaped, vaping

### More Information

**Description:** Former smokers continue to be at higher risk for developing lung cancer than non-smokers, even years after quitting. This study will look at how a specific chemical, phenanthrene, is broken down in former smokers and non-smokers. If former smokers break down this chemical in a more harmful way, it might help explain their increased risk for lung cancer. Study participants will be asked to attend an in-person study visit to vape a small amount of phenanthrene. You'll then be given supplies to collect your urine for 24 hours afterwards.

**Study Contact:** Vaped Phenanthrene Study - [phe-study@umn.edu](mailto:phe-study@umn.edu)

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**IRB Number:** STUDY00017204

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