

Vaping Trends in Nassau County, April 1, 2020 – September 30, 2023

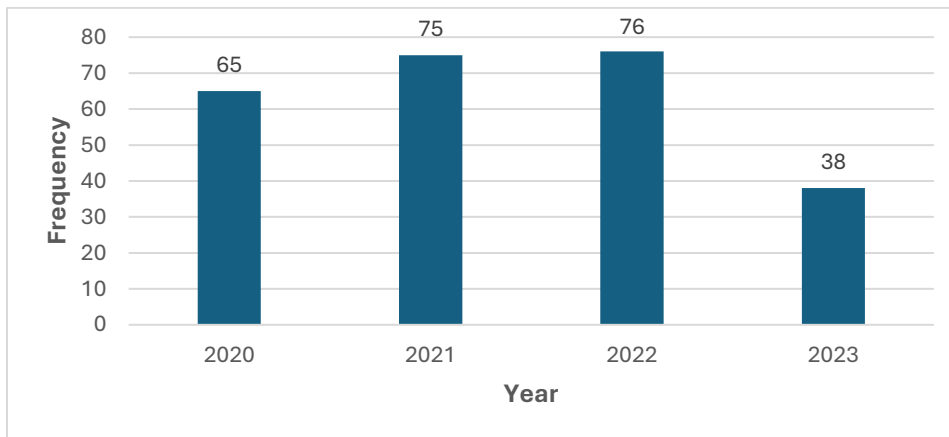
This report describes e-cigarette or vaping product use associated lung injury (EVALI) health care visits in Nassau County from April 1, 2020 to September 30, 2023. Vaping codes were first implemented on April 1, 2020. Unique claim transaction IDs were utilized and values less than 11 were suppressed to meet data suppression criteria.

Background

The United States experienced an outbreak of emergency department visits related to e-cigarette or vaping products from March 31, 2019 to February 15, 2020. During this time, the US had 2,807 e-cigarette hospitalizations and 68 deaths. Fifty-two percent of patients reported by January 14, 2020 were under the age of twenty-four.¹

E-cigarettes are the most used tobacco product by youth in the United States as 3.5% of middle schoolers and 7.8% of high schoolers reported vaping in 2024.² In New York, the percent of high schoolers that vape is more pronounced as 18.7% of high schoolers across New York State reported using nicotine e-cigarettes in 2022.³ Among adults, e-cigarette use is increasing, rising to 4.5% in 2021. Many adults who vape have never smoked cigarettes, especially those aged 18-24 (61.4%).⁴

Figure 1- Vaping-Related Health Care Visits by Year of Admission – April 1, 2020 to September 30, 2023



Nassau County had 259 vaping-related healthcare visits between April 1, 2020 to September 30, 2023. Five observations did not report date of admission but had a discharge date within the timeframe.

Fifty-three zip codes in Nassau County have had at least one vaping-related health care visit. Freeport (16 visits), Hicksville (13 visits), Plainview (12 visits), and Massapequa (11 visits) experienced the greatest number of cumulative vaping-related health care visits.

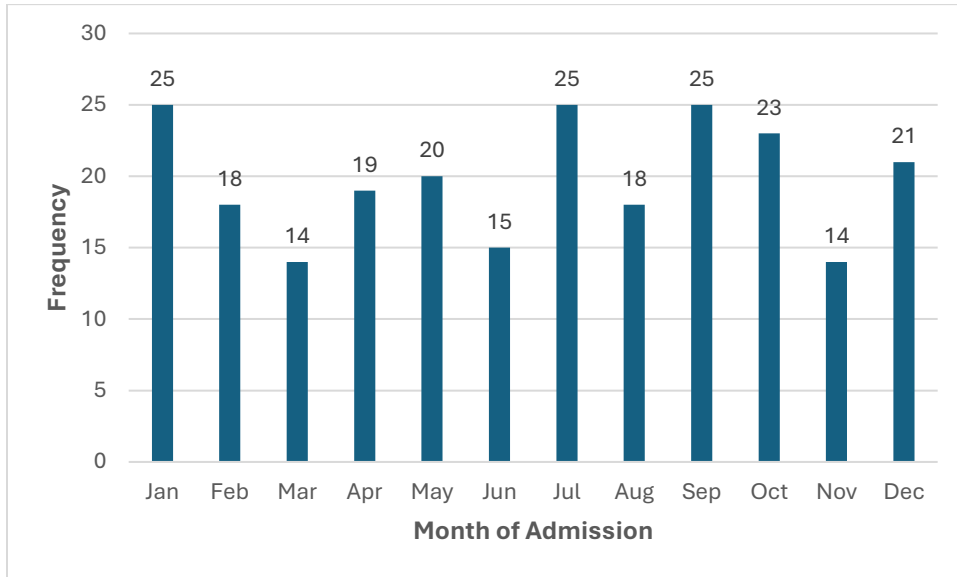
¹ Centers for Disease Control and Prevention. “Outbreak of Lung Injury Associated with the Use of E-Cigarette, or Vaping, Products.” 2020. [Outbreak of Lung Injury Associated with the Use of E-Cigarette, or Vaping, Products | Electronic Cigarettes | Smoking & Tobacco Use | CDC](#)

² Centers for Disease Control and Prevention. “E-Cigarette Use Among Youth.” 2024. [E-Cigarette Use Among Youth | Smoking and Tobacco Use | CDC](#)

³ New York Tobacco Control Program. “New York State Youth Tobacco Survey.” 2022.

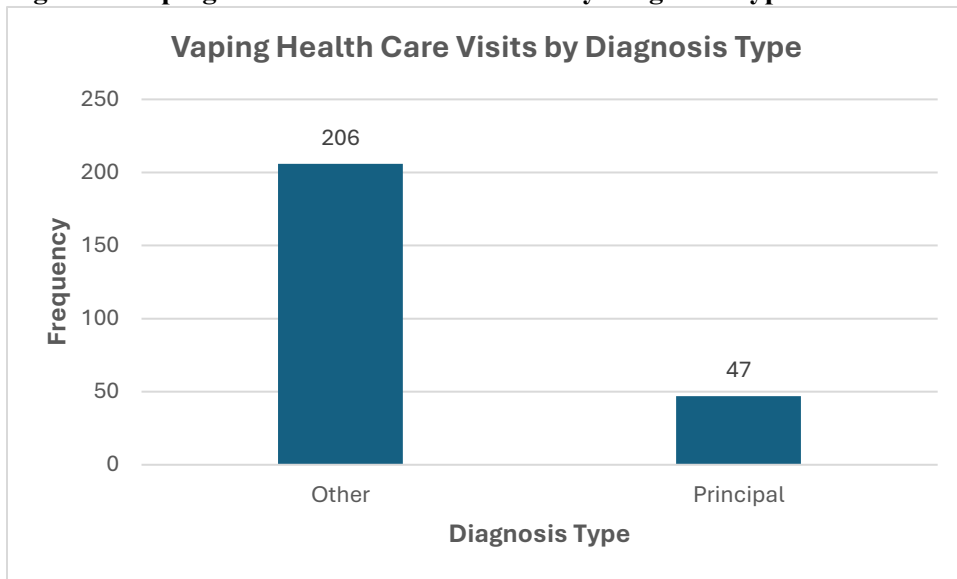
⁴ Centers for Disease Control and Prevention. “E-Cigarette Use Among Adults.” 2024. [E-Cigarette Use Among Adults | Smoking and Tobacco Use | CDC](#)

Figure 2- Vaping-Related Health Care Visits by Month of Admission – April 1, 2020 to April 30, 2023



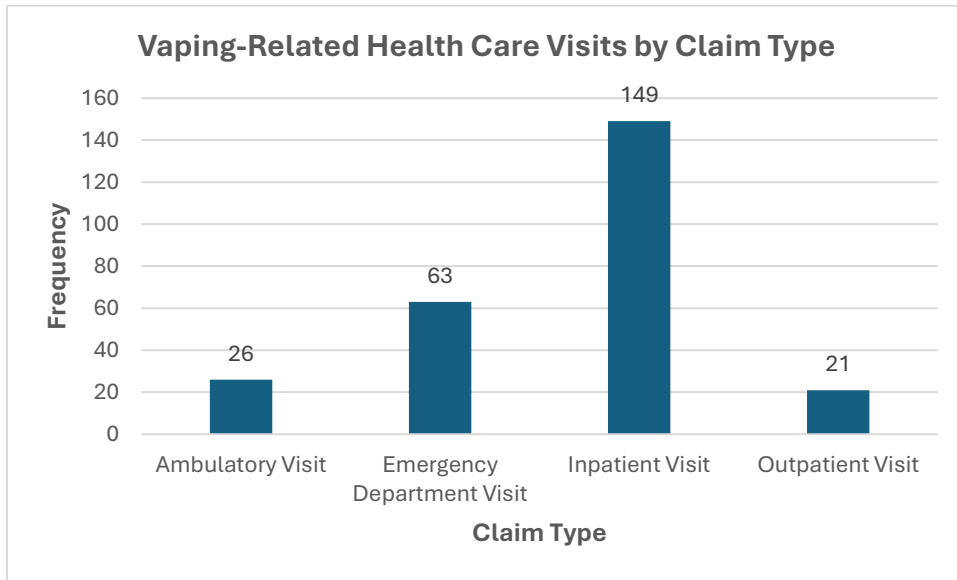
January, July, and September had the greatest number of cumulative vaping-related health care visits from April 1, 2020 to April 30, 2023. Five observations did not report date of admission but had a discharge date within the timeframe.

Figure 3- Vaping-Related Health Care Visits by Diagnosis Type



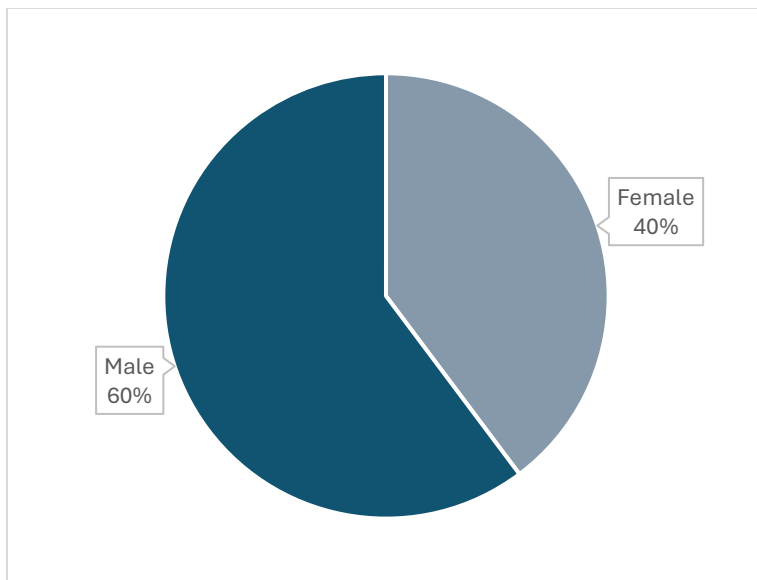
Eighty percent of vaping-related health care visits were other diagnoses.

Figure 4- Vaping-Related Health Care Visits by Claim Type



Inpatient visits had the most common claim type for vaping-related health care visits.

Figure 5- Vaping-Related Health Care Visits by Gender



Sixty percent of vaping-related health care visits were male.

Figure 6- Vaping-Related Health Care Visits by Age

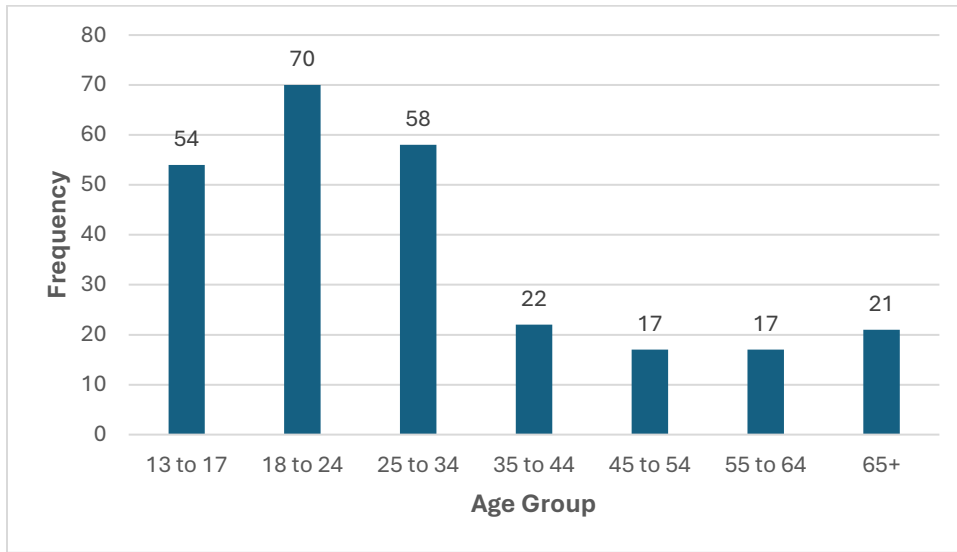
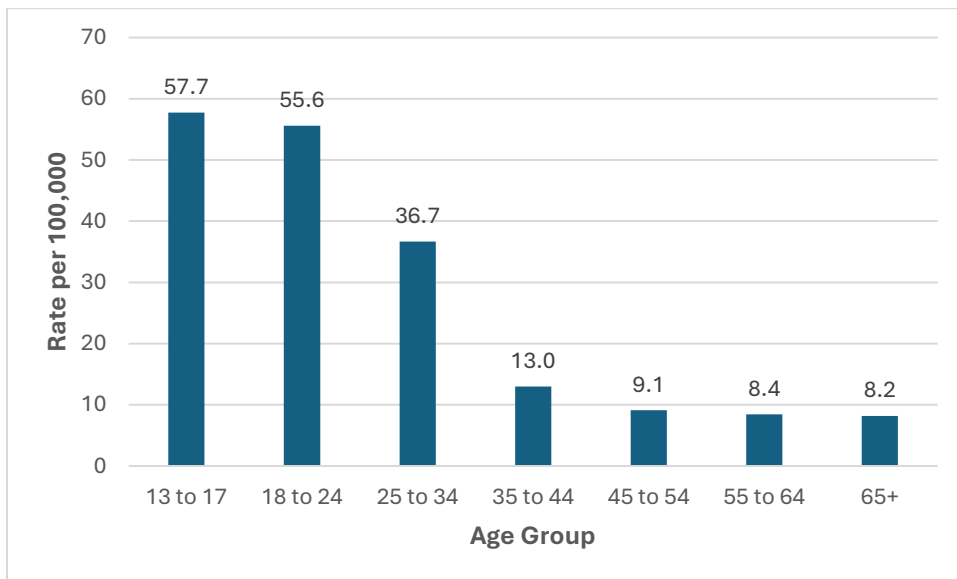
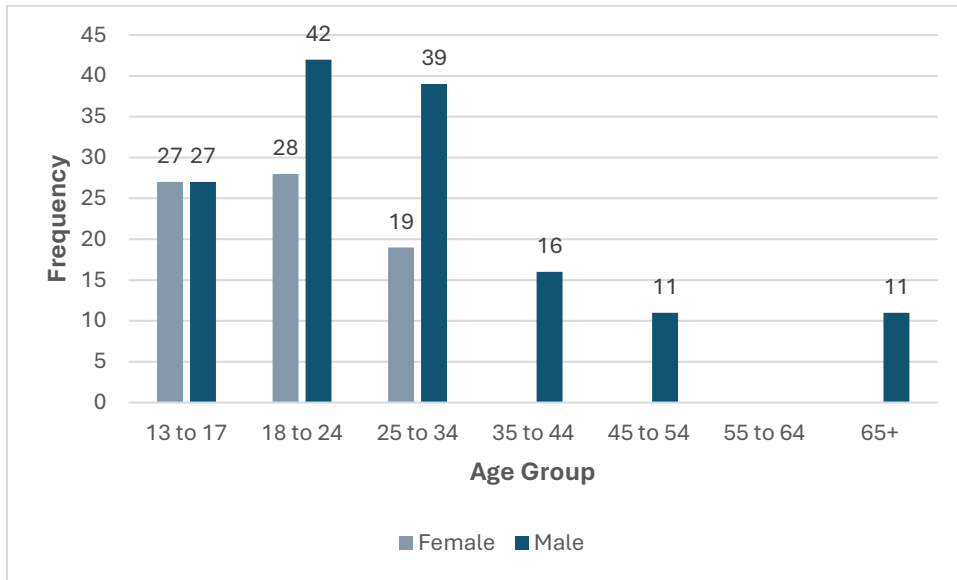


Figure 7- Vaping-Related Health Care Visits by Age – Rate per 100,000 Population



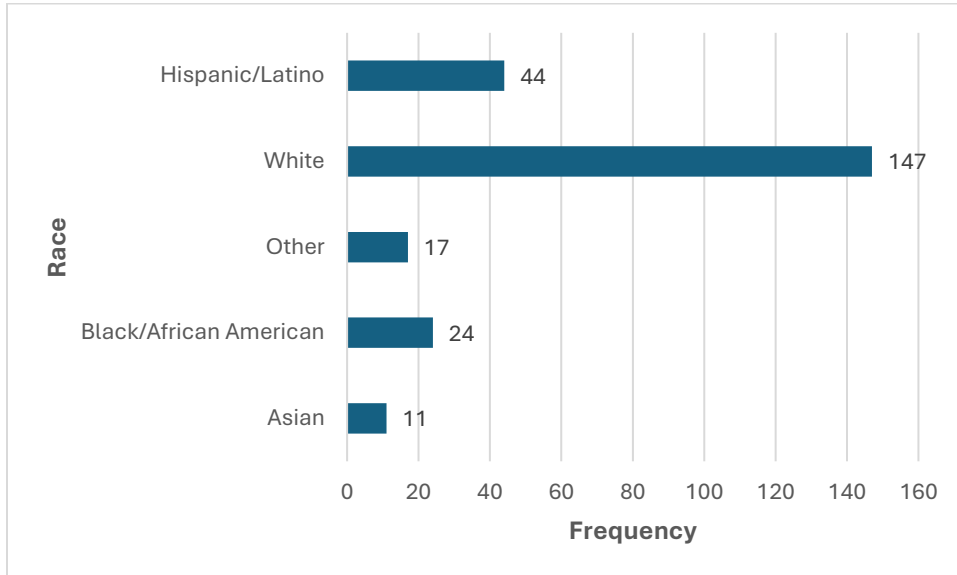
Though 18 to 24-year-olds had the highest count of vaping-related health care visits (70 visits), 13 to 17-year-olds experienced the greatest rate (57.7 visits per 100,000 population 13 to 17).

Figure 8- Vaping-Related Health Care Visits by Age and Gender



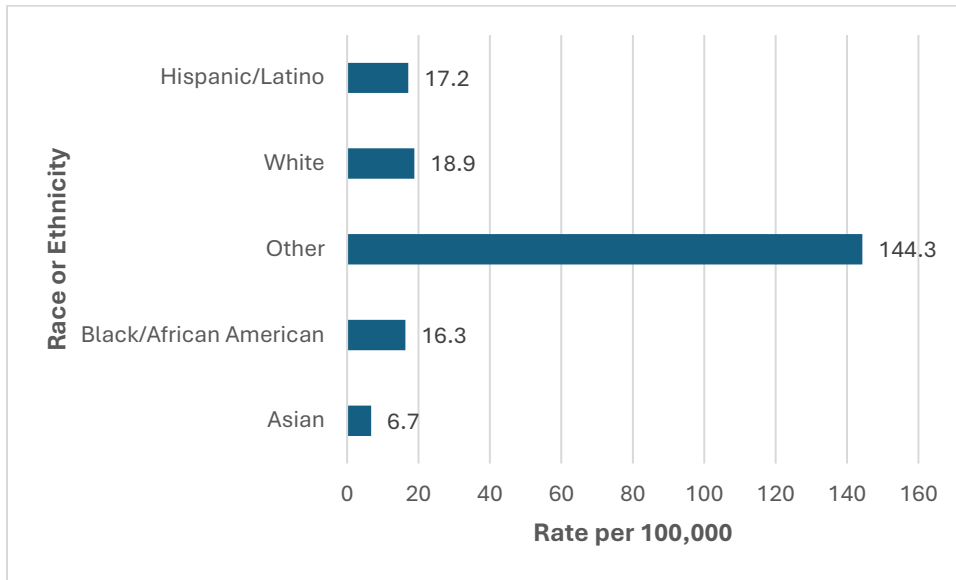
Most vaping-related health care visits are male. Data for women ages 35+ and men aged 55-64 were suppressed.

Figure 9- Vaping-Related Health Care Visits by Race and Ethnicity



Fifty-seven percent of vaping-related health care visits in Nassau County identify as White and non-Hispanic. Seventeen percent of visits identify as Hispanic or Latino. Sixteen visits were of unknown ethnicity.

Figure 10- Vaping-Related Health Care Visits by Race and Ethnicity – Rate per 100,000 Population



The highest rate was observed among individuals identified as other race.

Sources: NYS SPARCS Data, Census 2020

Disclaimers:

The Nassau County Department of Health (NCDOH) makes every effort to post accurate and reliable information, however it does not guarantee or warrant that the information is complete, accurate or up-to-date. This information is intended solely for the purpose of electronically providing the public with health-related data. The NCDOH assumes no responsibility for any error, omission, or other discrepancies between electronic and/or printed versions of this information. Nassau County and its officers, employees, and/or agents shall not be liable for damages or losses of any kind, including but not limited to direct, indirect, incidental, consequential, special or exemplary damages arising out of, or in connection with, the use or performance of such information, nor damages or losses caused by reliance upon the accuracy of any such information and/or damages incurred from the viewing, distributing, or copying of such materials.

This publication was produced from raw data purchased from or provided by the New York State Department of Health (NYSDOH). However, the calculations, metrics, conclusions derived, and views expressed herein are those of the author(s) and do not reflect the conclusions or views of NYSDOH. NYSDOH, its employees, officers, and agents make no representation, warranty or guarantee as to the accuracy, completeness, currency, or suitability of the information provided here.

