



Westchester County

Department of Health



2025.02

Community Health Data Report

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Timely Report of GI/Vomiting Syndromes by Community Health Electronic Surveillance System (CHESS) Westchester County, 2003-2024*

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- Distribution over Time
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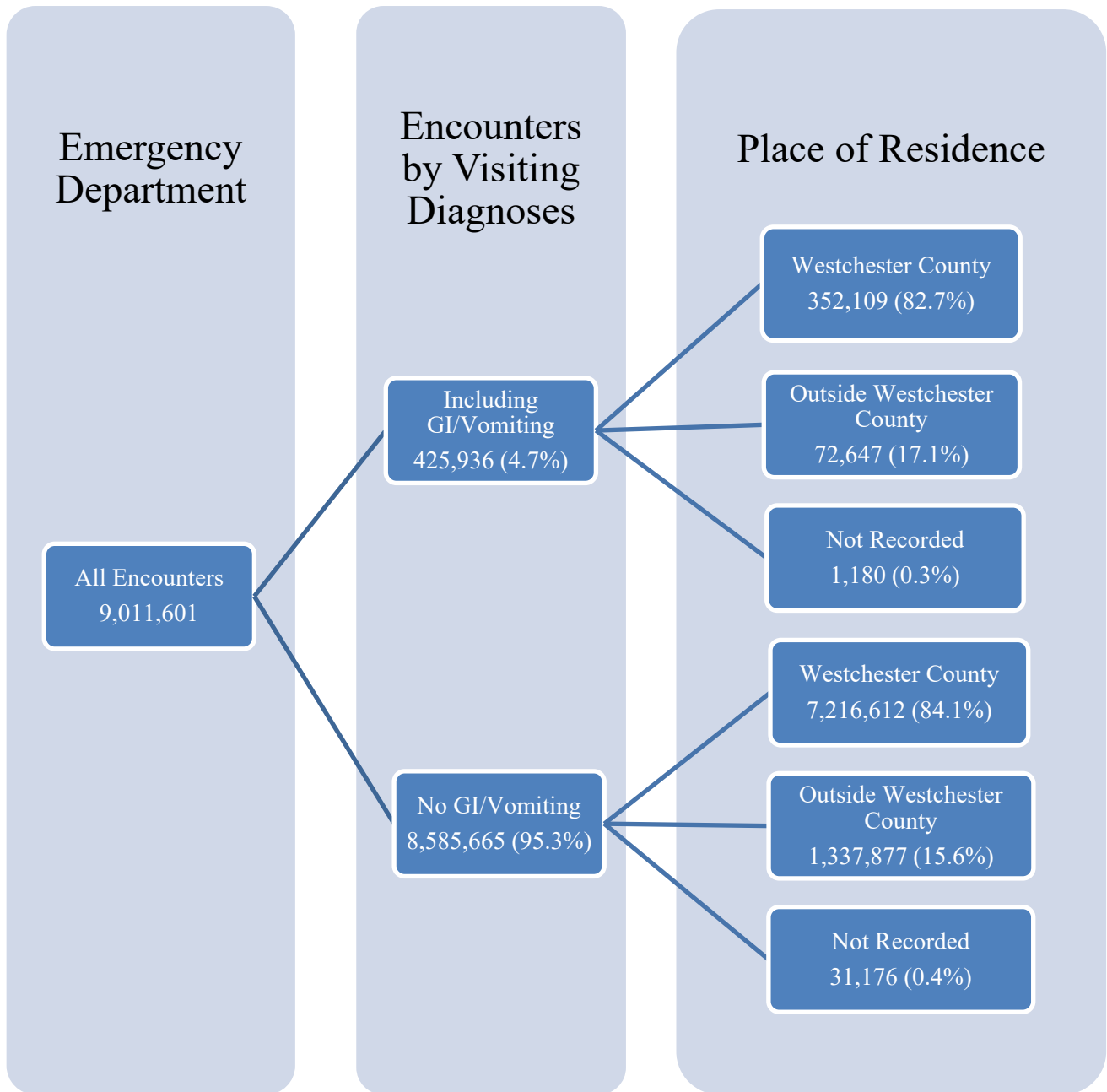
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Westchester County Department of Health's Community Health Electronic Surveillance System (CHESS) receives daily data electronically from existing healthcare information systems reported to the NYS Health Department, automatically analyzes data to detect potential elevated levels for syndromic categories of interest, and provides electronic reports to Health Department personnel. Starting in 2023, CHESS System receives data from NYS Health Department's Electronic Syndromic Surveillance System (ESSS) instead of directly from each hospital. The Data include more detailed information in diagnoses, which enables CHESS to report more accurate number of relevant syndromes. **Syndromes of interest are extracted and monitored by checking the patient chief complaints, triage notes, and diagnosis information.**

The GI/Vomiting data reported in this brief include the cases with nausea, vomiting, throwing up, emesis, heaves, food poisoning, and sick to stomach documented in one or more diagnoses while visiting the ER system of the eleven acute hospitals in Westchester County. The screening excluded cases involving vomiting due to pregnancy, head injury, fall, and other obviously non-GI causes.

CHESS data are transmitted within 24 hours from the patients' admission to the ER without complete diagnosis coding by the facilities. Therefore, data reported in this brief may underestimate the extent of substance use in the county. However, it provides a timely description of current trends and raises awareness if there is an abnormal surge in incidence.

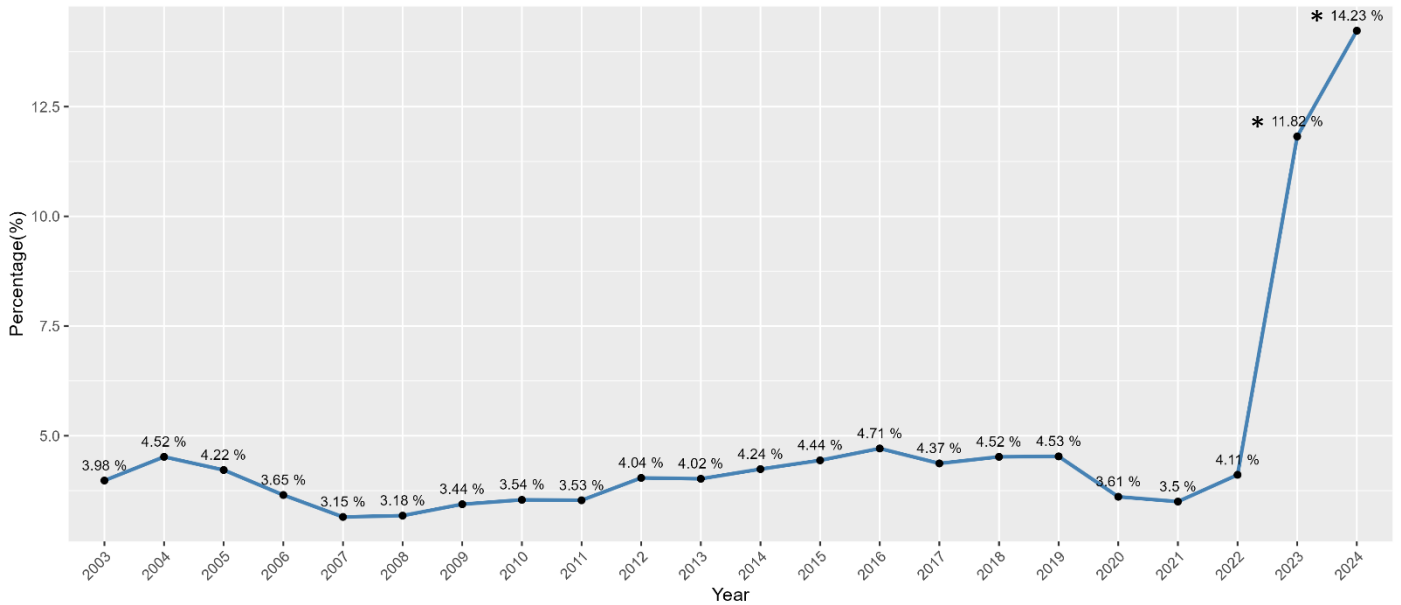
Overview 2003-2024



From 2003 to 2024, Emergency Department of Westchester County hospitals have received 425,936 encounters with GI/Vomiting documented in one or more of their diagnoses. Among them, 352,109 encounters have been registered as patients residing in Westchester County. Such encounters will be referred as GI/Vomiting Encounters in this report.

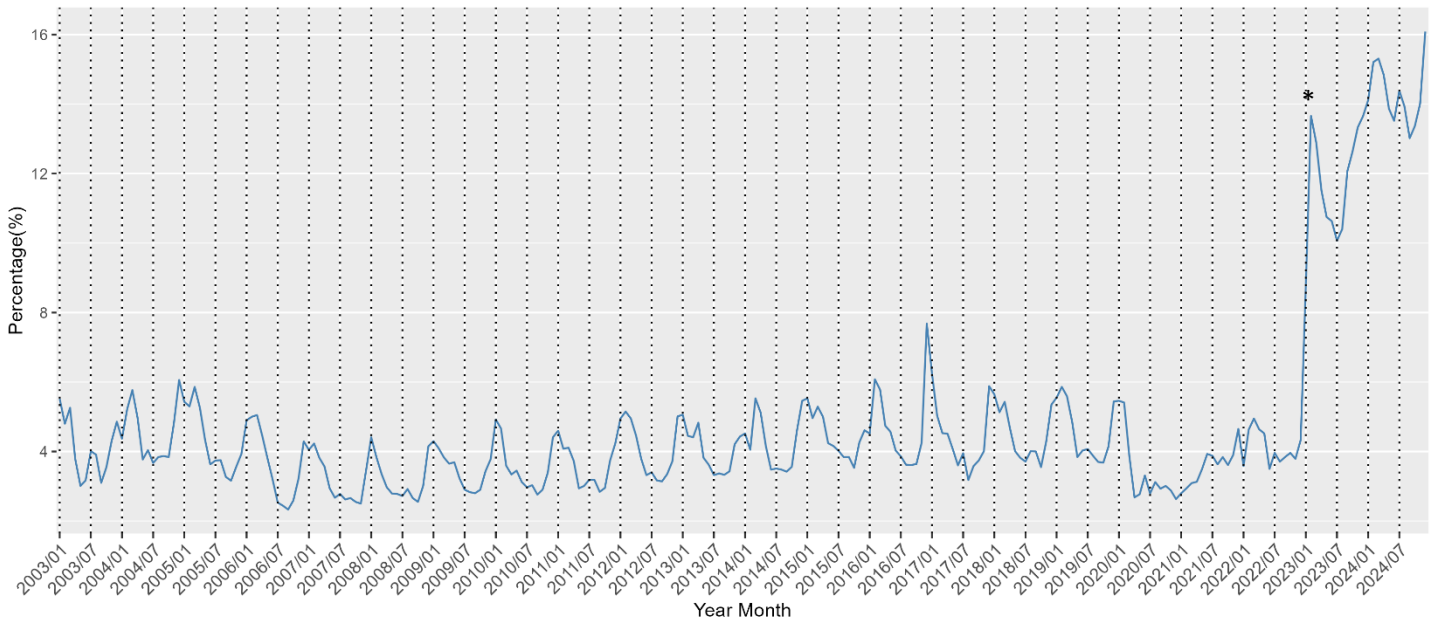
Yearly and Monthly Distribution

GI/Vomiting Encounters as a Percentage of All Encounters at Emergency Department by Year, Westchester County, 2003-2024



*New data flow starts in 2023

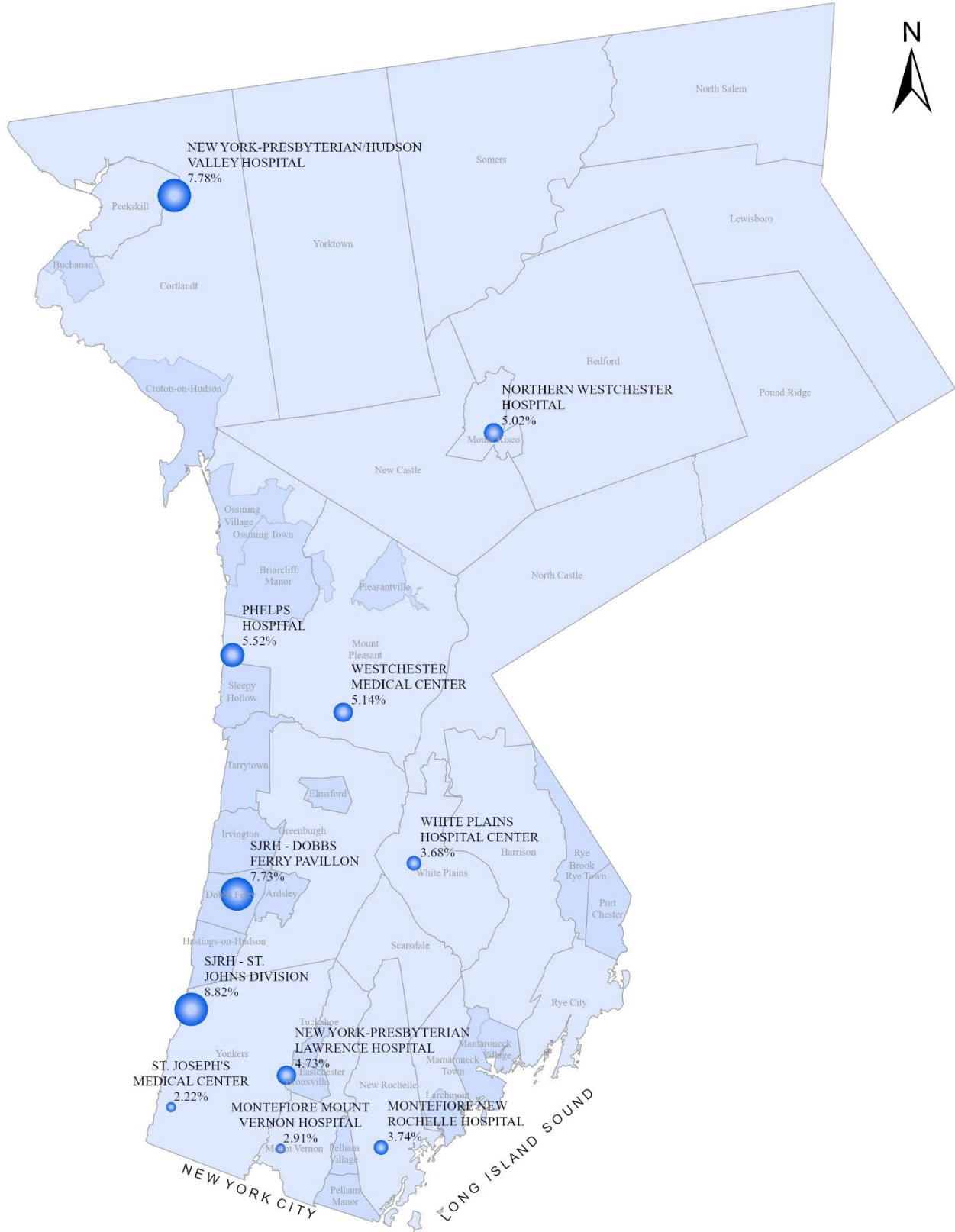
GI/Vomiting Encounters as a Percentage of All Encounters at Emergency Department by Year Month, Westchester County, 2003-2024



*New data flow starts in 2023

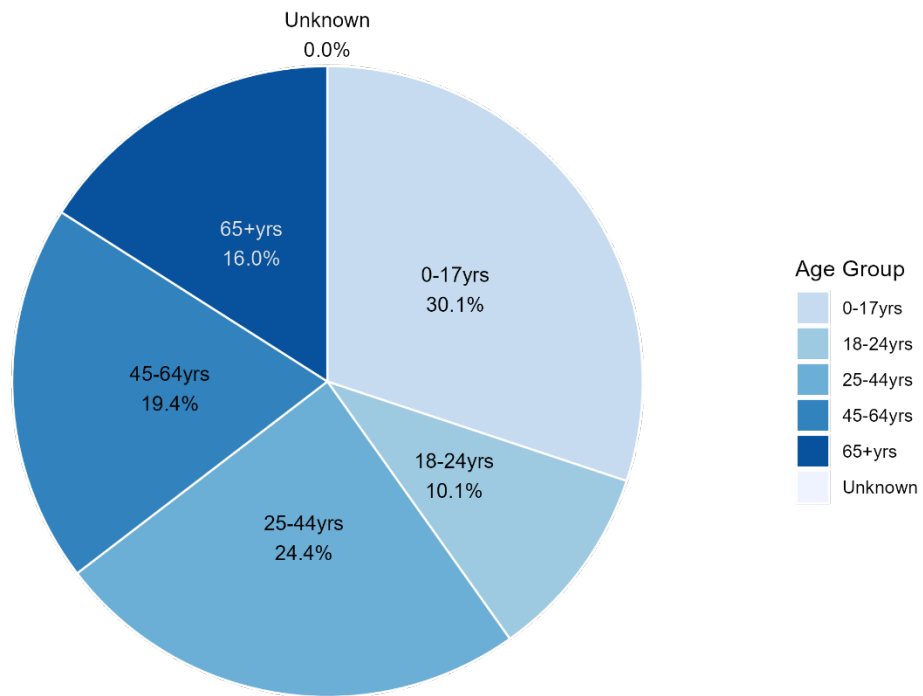
Hospital Distribution

GI/Vomiting Encounters as a Percentage of All Encounters at Emergency Department by Hospital, Westchester County, 2003-2024

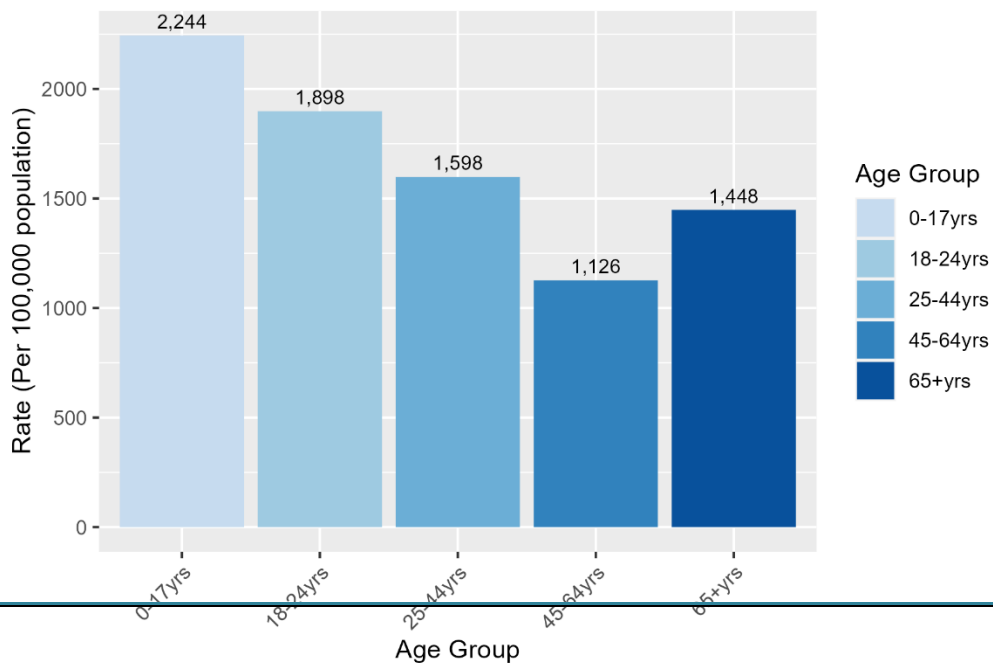


Demographics

GI/Vomiting Encounters at Emergency Department by Age, Westchester County, 2003-2024

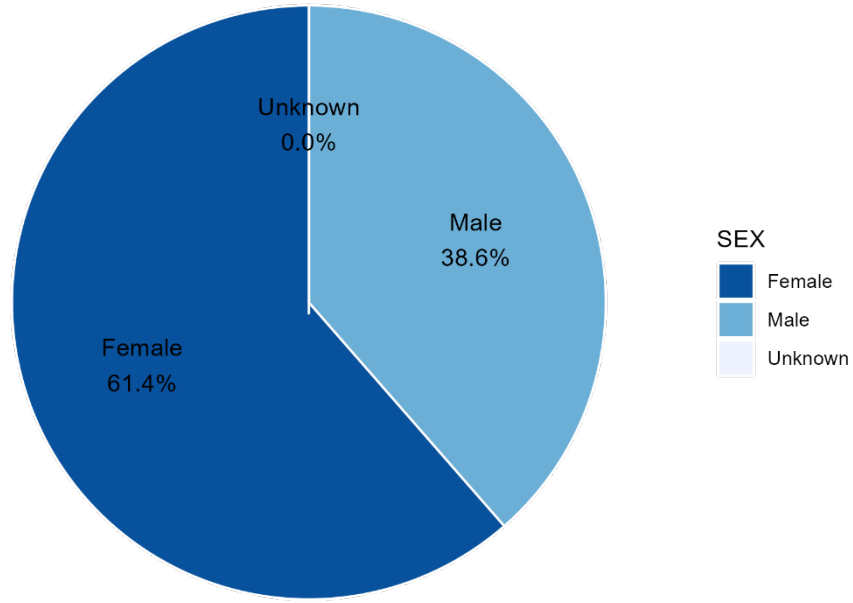


Average GI/Vomiting Rate per year (per 100,000 population) by Age, Westchester County, 2003-2024

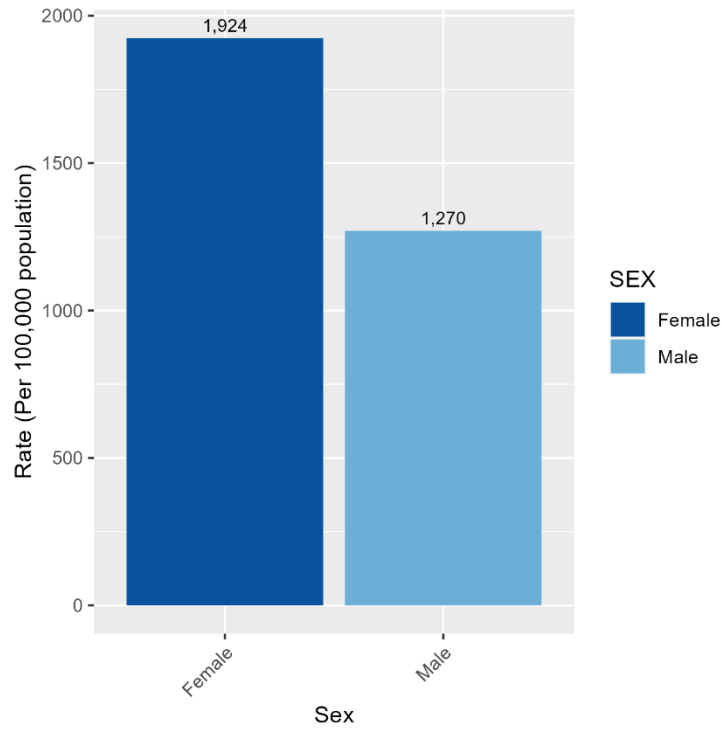


Demographics

GI/Vomiting Encounters at Emergency Department by Sex, Westchester County, 2003-2024



Average GI/Vomiting Rate per year (per 100,000 population) by Sex, Westchester County, 2003-2024



Demographics

GI/Vomiting Encounters at Emergency Department by Age and Sex, Westchester County, 2003-2024

