

Westchester County Department of Health

2024.02

Community Health Data Report

2024.02

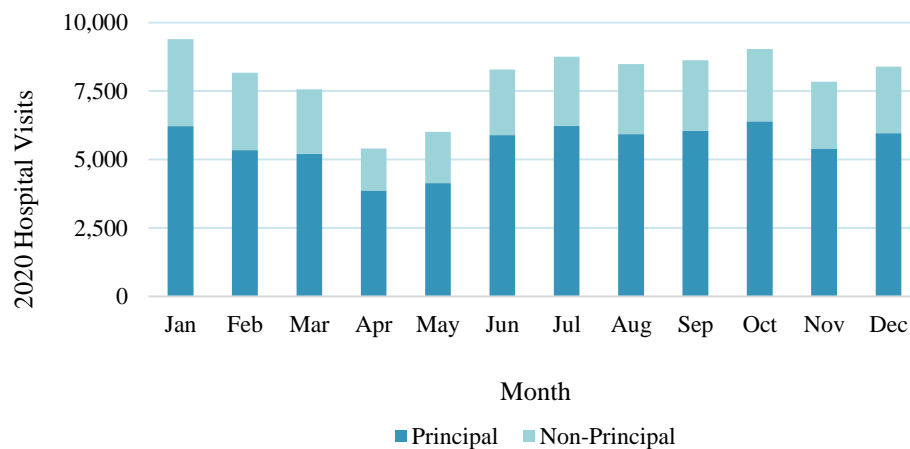
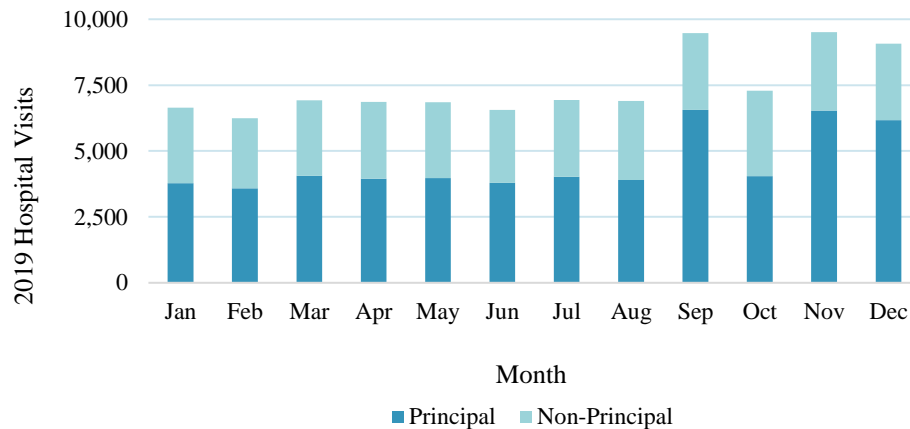
Hospital Visits Associated with Substance Use, Westchester County, 2019-2020

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Hospital visits in this report include emergency department visits, outpatient services, and ambulatory surgeries. Hospital visits associated with substance use in this report are defined as such visits with substance use documented as one or more diagnoses, including the main diagnosis (principal) and the accompanying diagnoses (non-principal).

Hospital Visits Associated with Substance Use by Month, Westchester County, 2019-2020



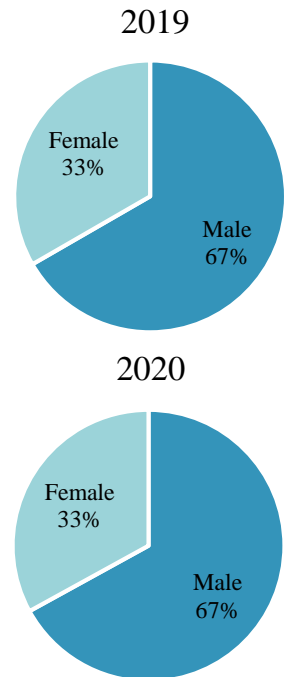
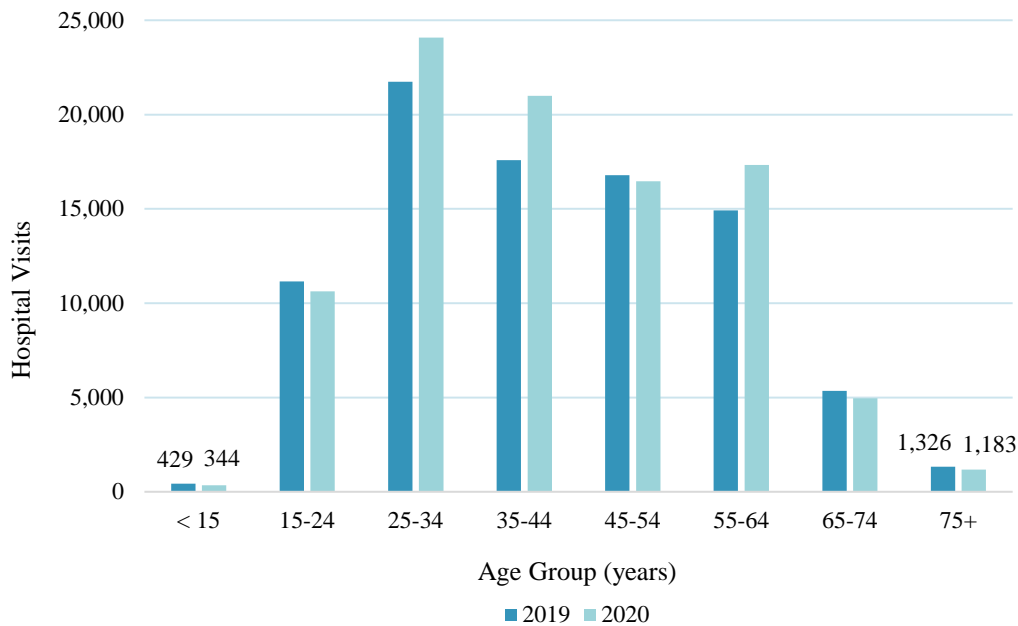
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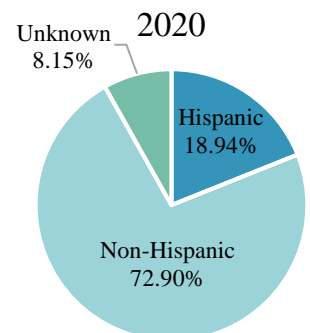
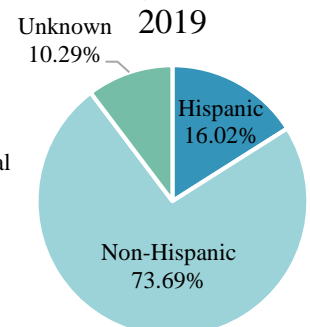
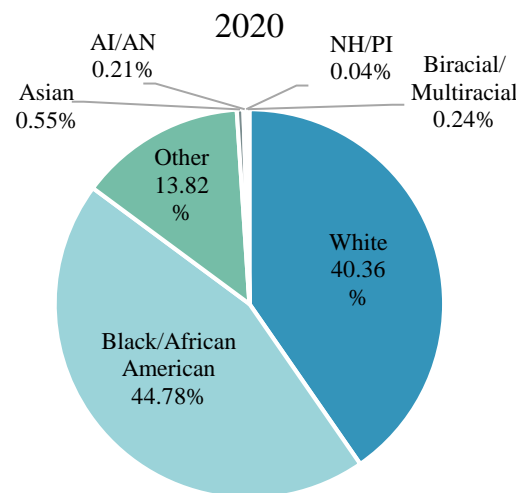
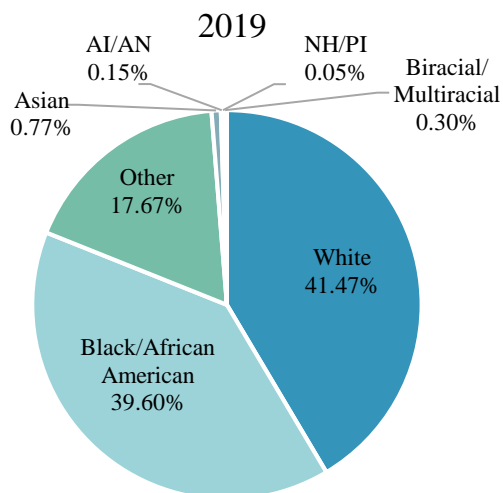
Demographics

Hospital Visits Associated with Substance Use by Sex and Age Group, Westchester County, 2019-2020



There were more men than women who made hospital visits associated with substance use. Those aged 25-34 had the highest number of visits compared to other age groups. White and Black/African American residents each comprised 40% or more of the hospital visits associated with substance use, and about three quarters who made such visits were non-Hispanics.

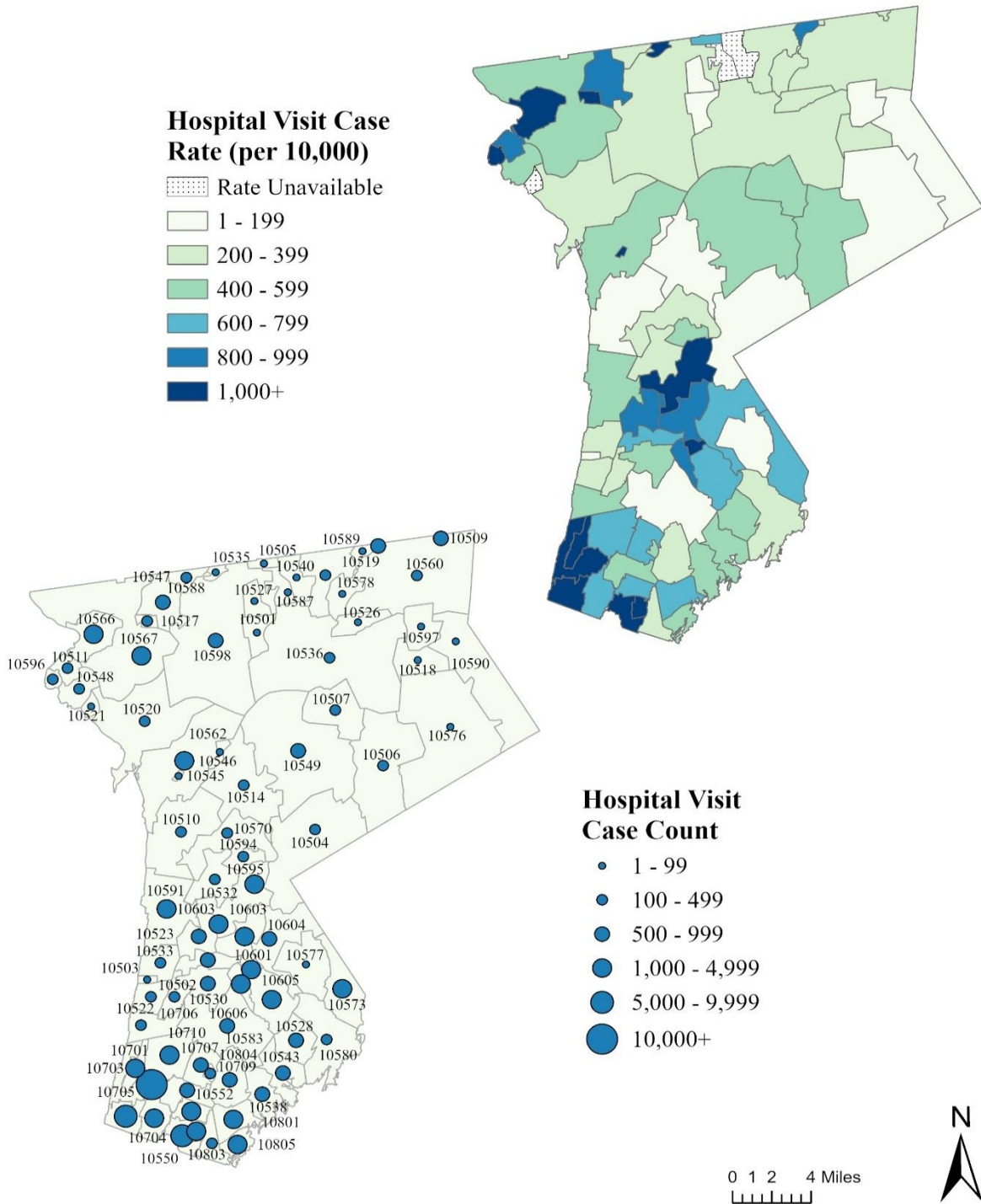
Hospital Visits Associated with Substance Use by Race and Ethnicity, Westchester County, 2019-2020



AI/AN: American Indian/Alaska Native; NH/PI: Native Hawaiian/Pacific Islander

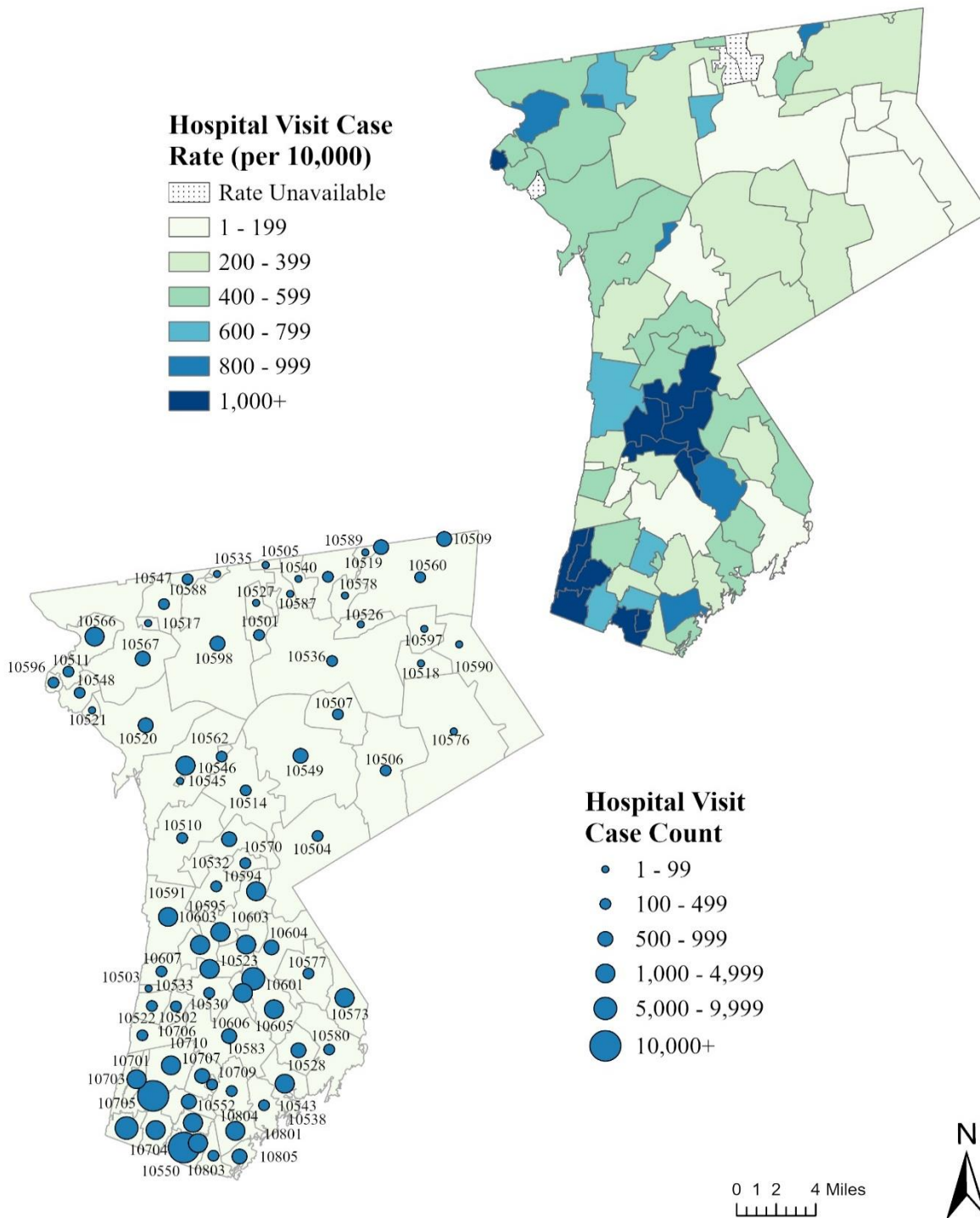
Geographic Distribution

Hospital Visits Associated with Substance Use by ZIP Code of Residence, Westchester County, 2019



Geographic Distribution

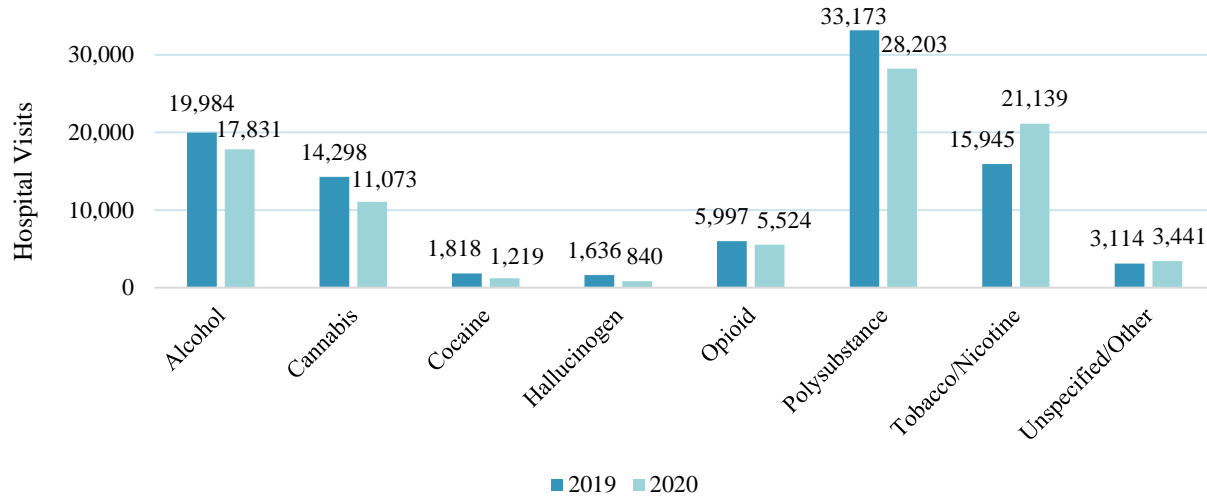
Hospital Visits Associated with Substance Use by ZIP Code of Residence, Westchester County, 2020



Most hospital visits associated with substance use in 2019 and 2020 were made by people residing in the southern and central regions of Westchester County. When accounting for population size, the highest rates of hospital visits were for residents in ZIP codes corresponding to Mount Vernon, Peekskill, Valhalla, White Plains, and Yonkers.

Substance Type

Hospital Visits Associated with Substance Use by Substance Type, Westchester County, 2019-2020



Among hospital visits associated with substance use, a large number of visits involved the use of multiple substances in both 2019 and 2020.

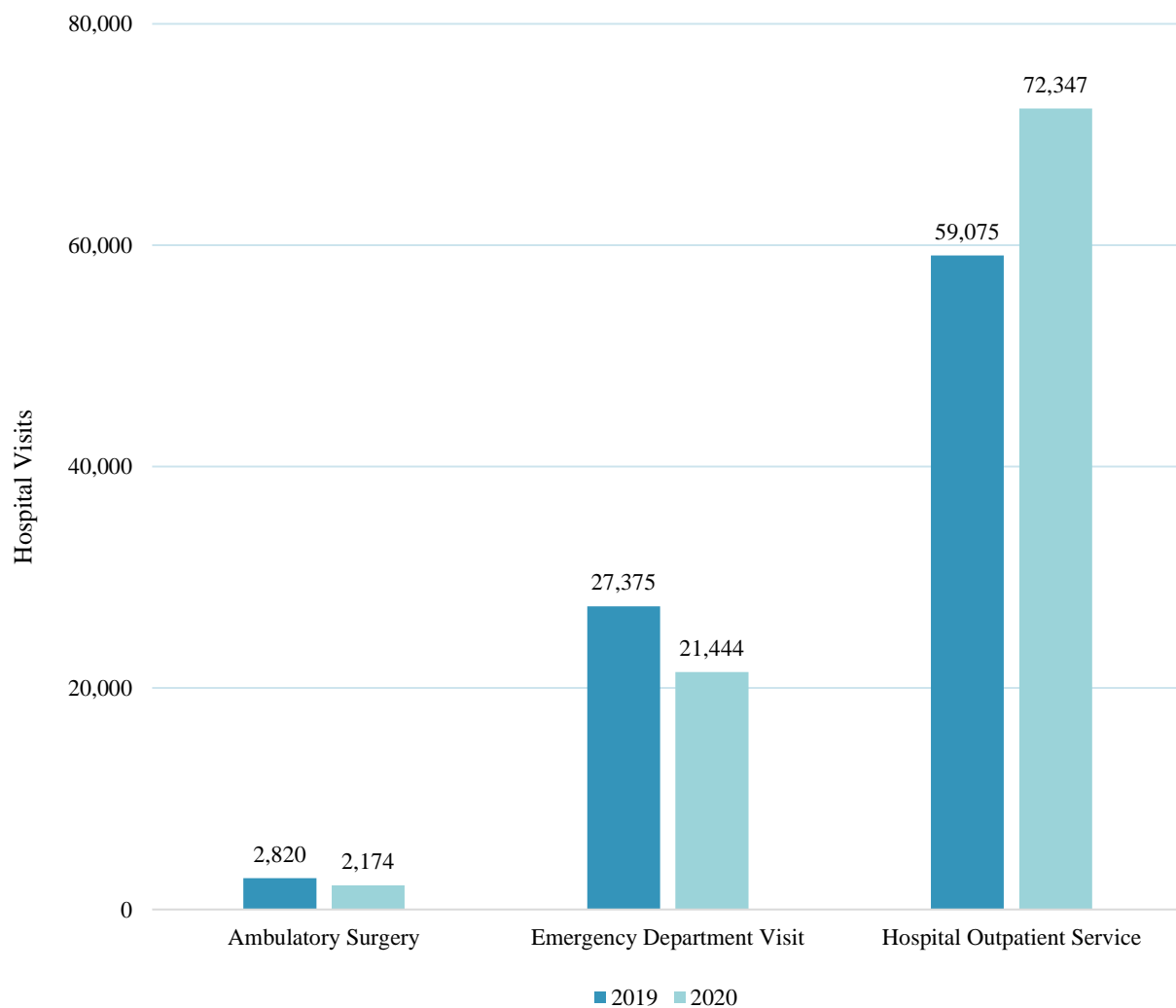
Hospital Visits Associated with Substance Use by Hospital of Care, Westchester County, 2019-2020

| Hospital of Care | 2019 | | 2020 | |
|--|---------------|--------------|---------------|--------------|
| | Visits | (%) | Visits | (%) |
| TOTAL | 89,270 | 100.0 | 95,965 | 100.0 |
| WESTCHESTER COUNTY | 80,995 | 90.7 | 89,663 | 93.4 |
| Montefiore Mount Vernon Hospital | 2,654 | 3.0 | 1,981 | 2.1 |
| Montefiore New Rochelle Hospital | 1,644 | 1.8 | 1,540 | 1.6 |
| New York Presbyterian Hospital - Westchester Behavioral Health | 582 | 0.7 | 556 | 0.6 |
| New York Presbyterian/Lawrence Hospital | 1,146 | 1.2 | 1,598 | 1.6 |
| New York Presbyterian/Hudson Valley Hospital | 4,207 | 4.7 | 3,122 | 3.3 |
| Northwell Health Northern Westchester Hospital | 1,417 | 1.6 | 1,244 | 1.3 |
| Northwell Health Phelps Hospital | 2,765 | 3.1 | 1,954 | 2.0 |
| St. John's Riverside Hospital - Dobbs Ferry Pavilion | 606 | 0.7 | 220 | 0.2 |
| St. John's Riverside Hospital - Park Care Pavilion | 35,286 | 39.5 | 51,511 | 53.7 |
| St. John's Riverside Hospital - St. John's Division | 2,393 | 2.7 | 1,315 | 1.4 |
| St. Joseph's Medical Center - St. Vincent's Westchester Division | 11,611 | 13.0 | 10,834 | 11.3 |
| St. Joseph's Medical Center | 7,229 | 8.1 | 5,991 | 6.2 |
| Westchester Medical Center | 3,839 | 4.3 | 3,074 | 3.2 |
| White Plains Hospital Center | 5,572 | 6.2 | 4,722 | 4.9 |
| Other | 4 | 0.0 | 1 | 0.0 |
| BRONX COUNTY | 3,045 | 3.4 | 2,338 | 2.4 |
| NEW YORK COUNTY | 3,263 | 3.7 | 2,184 | 2.3 |
| PUTNAM COUNTY | 913 | 1.0 | 705 | 0.7 |
| OTHER NEW YORK STATE COUNTIES | 1,094 | 1.2 | 1,075 | 1.1 |

Type of Care Facilities

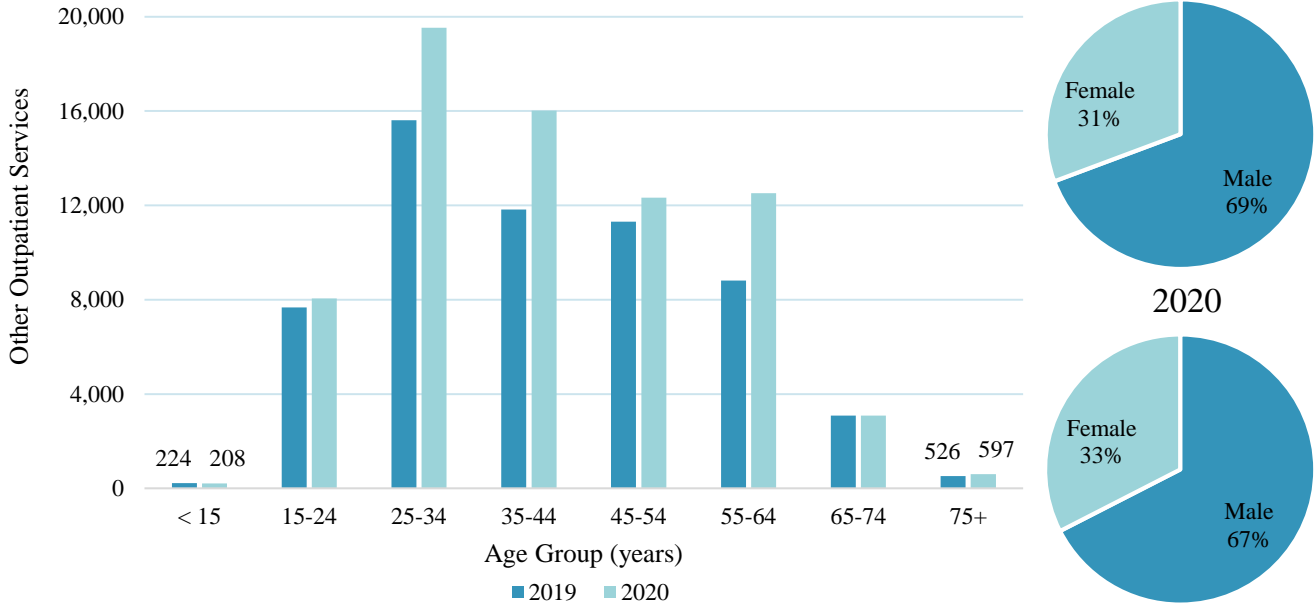
Hospital outpatient care is categorized as hospital outpatient services (services including any medical procedures, screenings, diagnoses, and treatments where a hospital stay is not required), emergency department visits (visits where patients are discharged within one day of admission), and ambulatory surgeries (surgical procedures that do not require an overnight hospital stay).

Hospital Visits Associated with Substance Use by Type of Care Facilities, Westchester County, 2019-2020



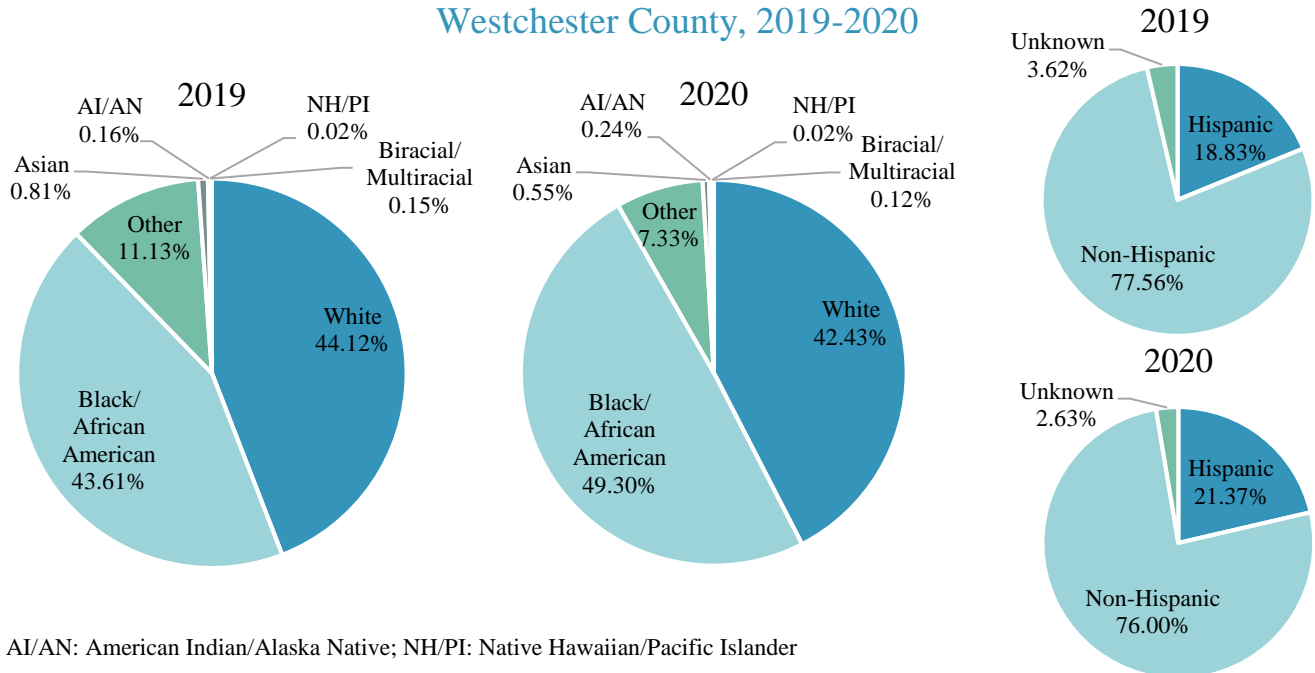
Hospital Outpatient Services

Hospital Outpatient Services Associated with Substance Use by Sex and Age Group, Westchester County, 2019-2020



There were more men than women who received hospital outpatient services associated with substance use. Residents aged 25-34 received the most services compared to other age groups. White and Black/African American residents accounted for approximately 90% of those receiving such services, and non-Hispanic residents were the majority of those receiving such services.

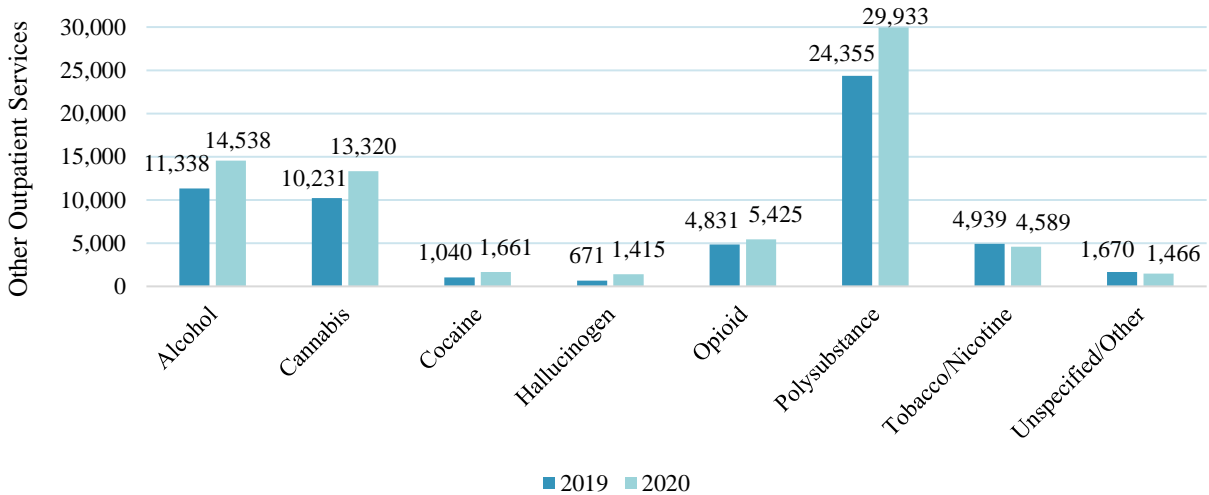
Hospital Outpatient Services Associated with Substance Use by Race and Ethnicity, Westchester County, 2019-2020



AI/AN: American Indian/Alaska Native; NH/PI: Native Hawaiian/Pacific Islander

Hospital Outpatient Services

Hospital Outpatient Services Associated with Substance Use by Substance, Westchester County, 2019-2020

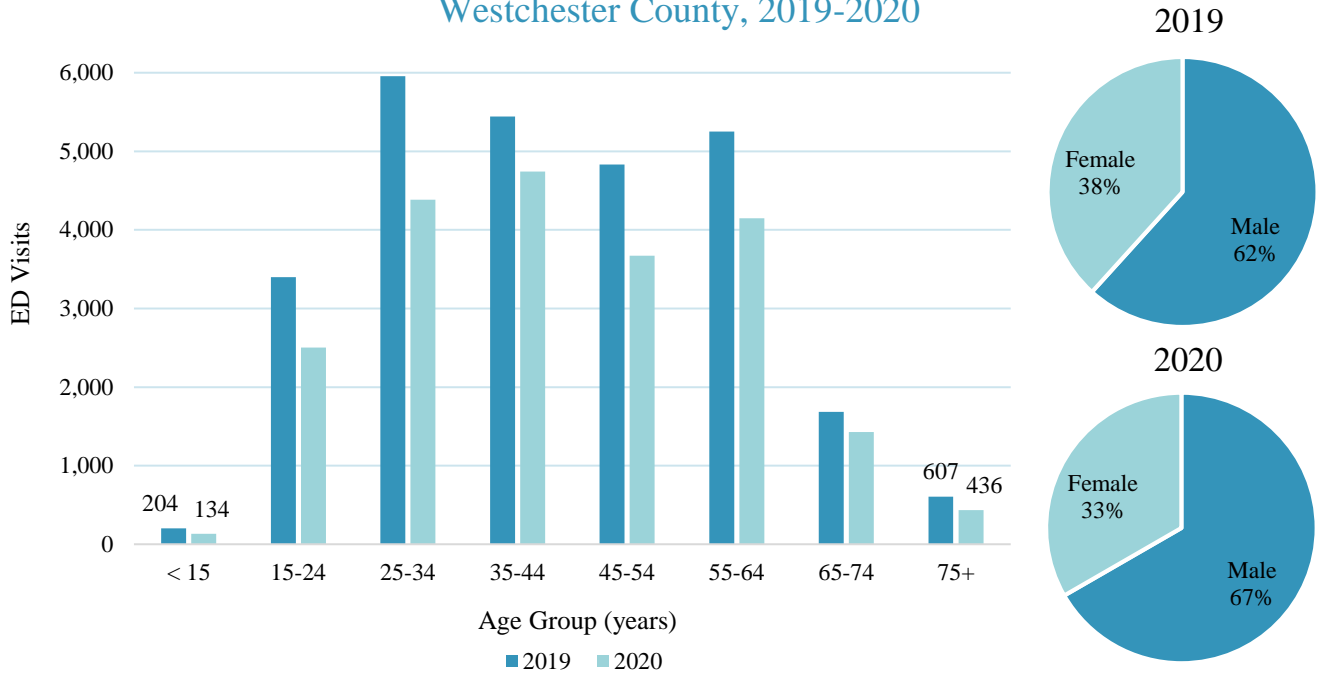


Hospital Outpatient Services Associated with Substance Use by Hospital of Care, Westchester County, 2019-2020

| Hospital of Care | 2019 | | 2020 | |
|--|---------------|--------------|---------------|-------------|
| | Visits | (%) | Visits | (%) |
| TOTAL | 59,075 | 100.0 | 72,347 | 99.9 |
| WESTCHESTER COUNTY | 55,840 | 94.5 | 70,134 | 96.9 |
| Montefiore Mount Vernon Hospital | 565 | 1.0 | 459 | 0.6 |
| Montefiore New Rochelle Hospital | 559 | 0.9 | 388 | 0.5 |
| New York Presbyterian Hospital - Westchester Behavioral Health | 582 | 1.0 | 556 | 0.8 |
| New York Presbyterian/Lawrence Hospital | 362 | 0.6 | 371 | 0.6 |
| New York Presbyterian/Hudson Valley Hospital | 462 | 0.8 | 665 | 0.9 |
| Northwell Northern Westchester Hospital | 116 | 0.2 | 130 | 0.2 |
| Northwell Phelps Hospital | 1,850 | 3.1 | 1,107 | 1.5 |
| St. John's Riverside Hospital - Dobbs Ferry Pavilion | 21 | 0.0 | 54 | 0.1 |
| St. John's Riverside Hospital - Park Care Pavilion | 35,286 | 59.7 | 51,511 | 71.2 |
| St. John's Riverside Hospital - St. John's Division | 431 | 0.7 | 304 | 0.4 |
| St. Joseph's Medical Center - St. Vincent's Westchester Division | 11,611 | 19.7 | 10,834 | 15.0 |
| St. Joseph's Medical Center | 352 | 0.6 | 493 | 0.7 |
| Westchester Medical Center | 1,999 | 3.4 | 1,608 | 2.2 |
| White Plains Hospital Center | 1,640 | 2.8 | 1,624 | 2.2 |
| Other | 4 | 0.0 | 0 | 0.0 |
| BRONX COUNTY | 1,244 | 2.1 | 892 | 1.2 |
| NEW YORK COUNTY | 1,806 | 3.1 | 1,041 | 1.4 |
| PUTNAM COUNTY | 27 | 0.1 | 32 | 0.0 |
| OTHER NEW YORK STATE COUNTIES | 158 | 0.3 | 248 | 0.3 |

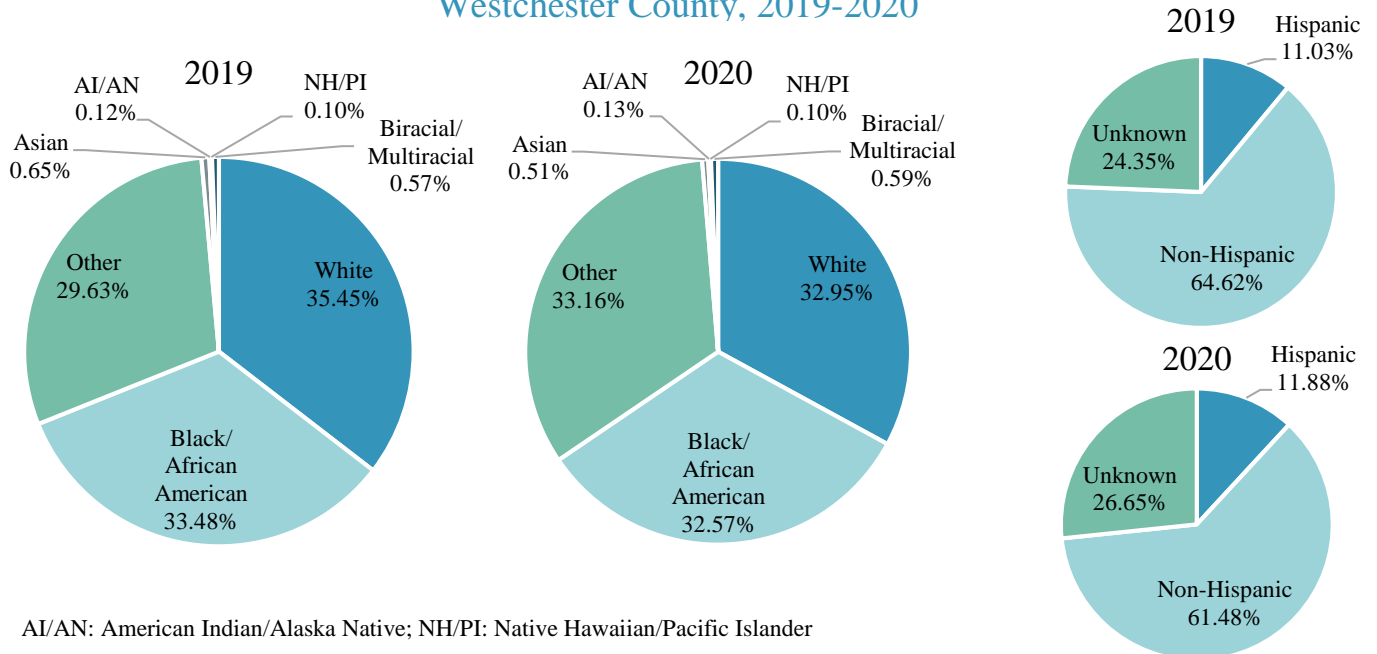
Emergency Department Visits

Emergency Department Visits Associated with Substance Use by Sex and Age Group, Westchester County, 2019-2020



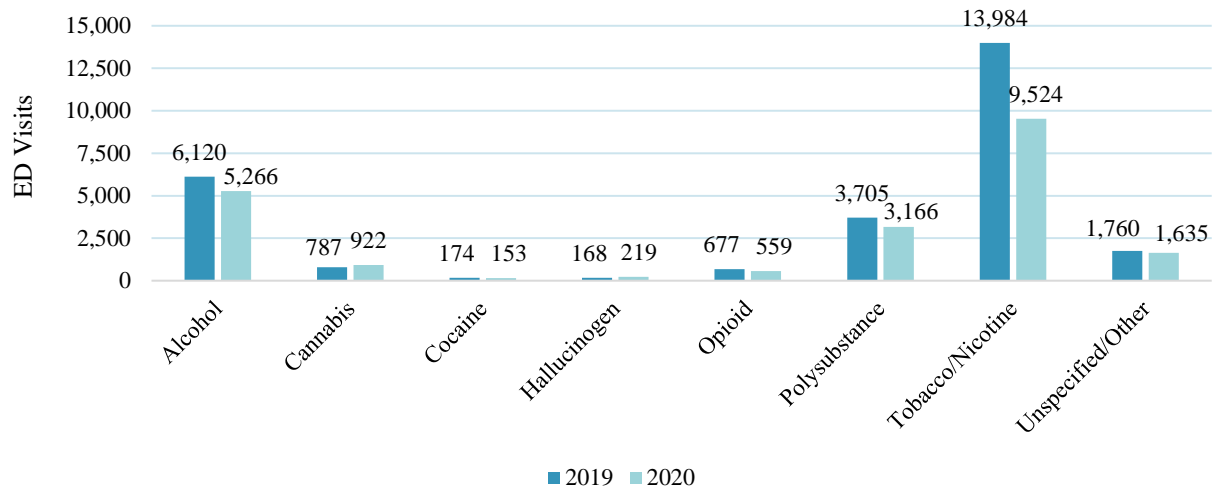
There were more men than women who made an ED visit associated with substance use. Residents aged 25-34 made the most visits compared to other age groups. White and Black/African American residents accounted for one-third of such ED visits, and non-Hispanic residents were the majority of such ED visits.

Emergency Department Visits Associated with Substance Use by Race and Ethnicity, Westchester County, 2019-2020



Emergency Department Visits

Emergency Department Visits Associated with Substance Use by Substance, Westchester County, 2019-2020

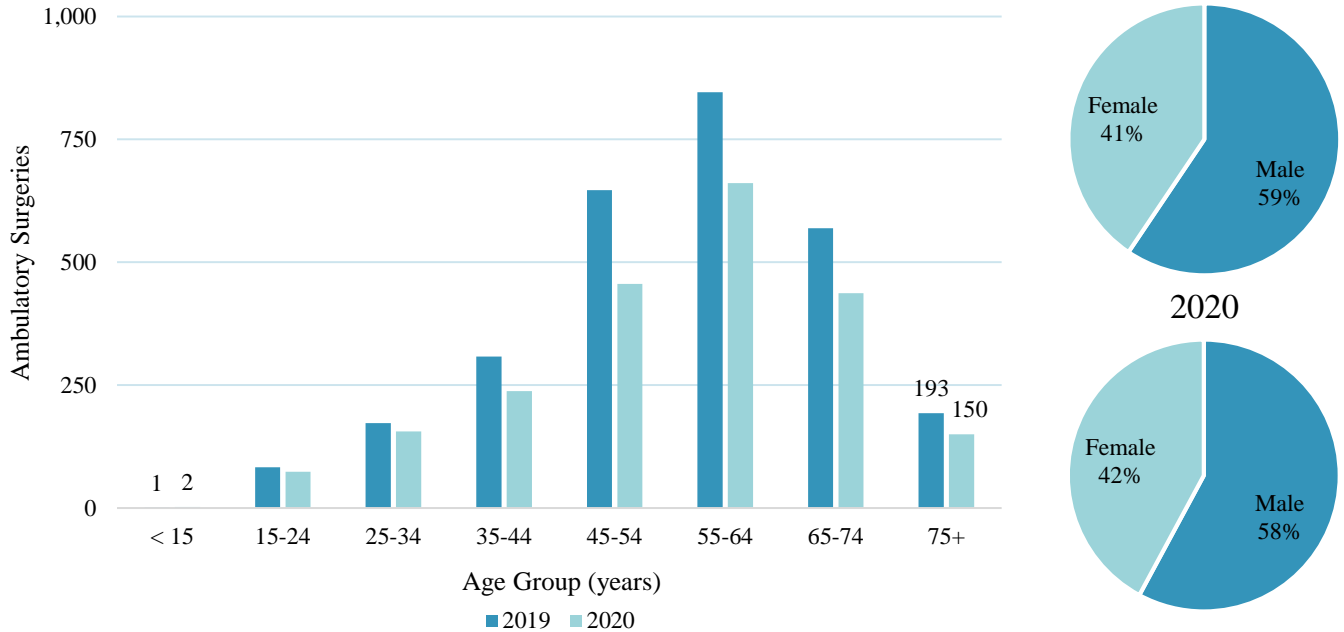


Emergency Department Visits Associated with Substance Use by Hospital of Care, Westchester County, 2019-2020

| Hospital of Care | 2019 | | 2020 | |
|--|---------------|--------------|---------------|--------------|
| | Visits | (%) | Visits | (%) |
| TOTAL | 27,375 | 100.0 | 21,444 | 100.0 |
| WESTCHESTER COUNTY | 23,384 | 85.4 | 18,183 | 84.8 |
| Montefiore Mount Vernon Hospital | 2,064 | 7.5 | 1,484 | 6.9 |
| Montefiore New Rochelle Hospital | 1,068 | 3.9 | 1,135 | 5.3 |
| New York Presbyterian/Lawrence Hospital | 580 | 2.1 | 1,002 | 4.7 |
| New York Presbyterian/Hudson Valley Hospital | 3,612 | 13.2 | 2,383 | 11.1 |
| Northwell Northern Westchester Hospital | 1,144 | 4.2 | 962 | 4.5 |
| Northwell Phelps Hospital | 901 | 3.3 | 833 | 3.9 |
| St. John's Riverside Hospital - Dobbs Ferry Pavilion | 580 | 2.1 | 164 | 0.8 |
| St. John's Riverside Hospital - St. John's Division | 1,945 | 7.1 | 1,000 | 4.7 |
| St. Joseph's Medical Center | 6,876 | 25.1 | 5,436 | 25.3 |
| Westchester Medical Center | 1,343 | 4.9 | 1,213 | 5.7 |
| White Plains Hospital Center | 3,271 | 11.9 | 2,571 | 12.0 |
| BRONX COUNTY | 1,446 | 5.3 | 1,184 | 5.5 |
| NEW YORK COUNTY | 940 | 3.4 | 757 | 3.5 |
| PUTNAM COUNTY | 735 | 2.7 | 569 | 2.7 |
| OTHER NEW YORK STATE COUNTIES | 870 | 3.2 | 751 | 3.5 |

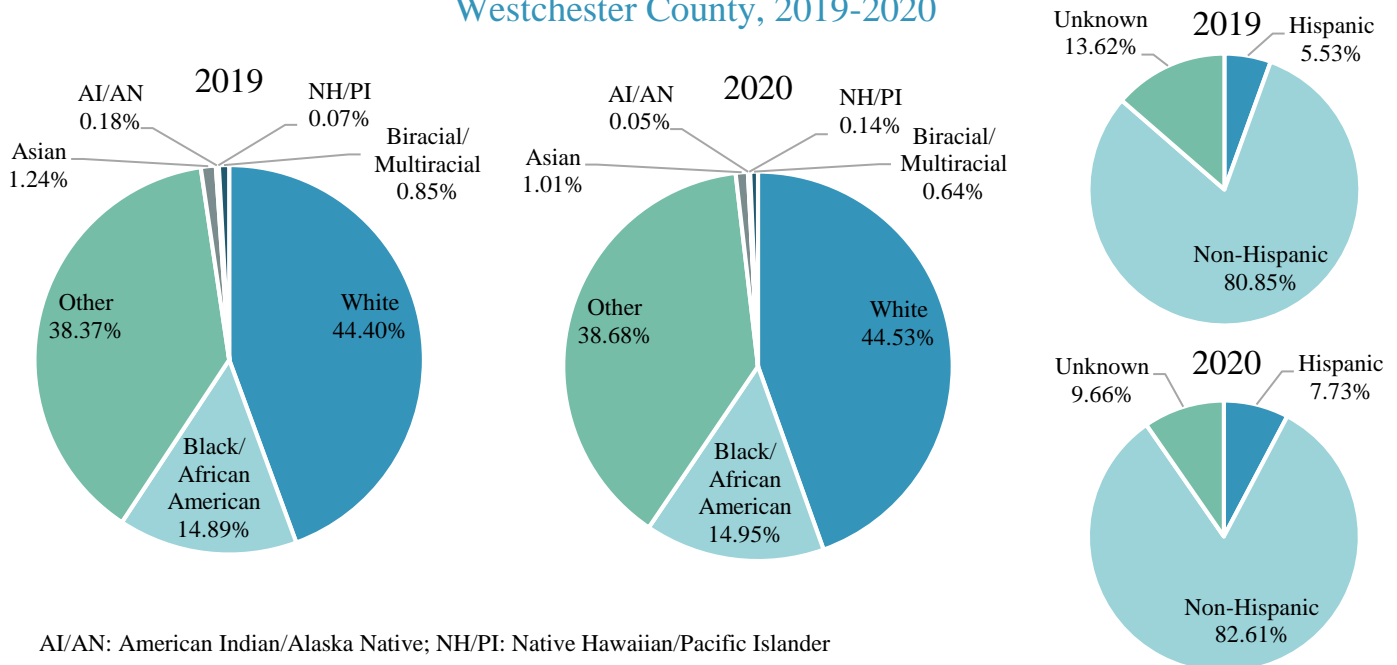
Ambulatory Surgeries

Ambulatory Surgeries Associated with Substance Use by Sex and Age Group, Westchester County, 2019-2020



Among those who received ambulatory surgery services associated with substances use, over half were males. Residents aged 55-64 had the most surgery services associated with substance use compared to other age groups. White residents had the most surgery services associated with substance use compared to other race groups, and non-Hispanic residents were the majority of those receiving such services.

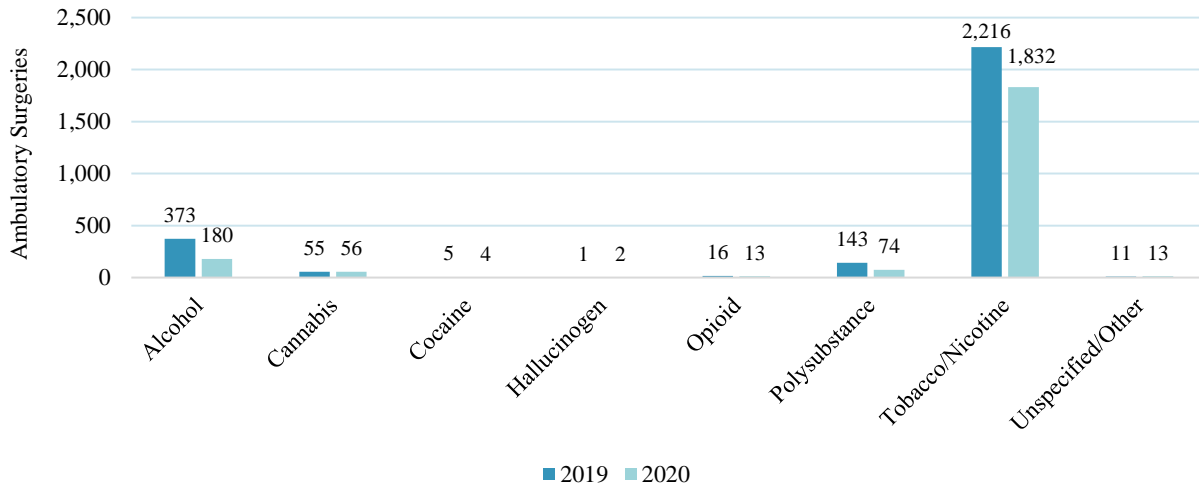
Ambulatory Surgeries Associated with Substance Use by Race and Ethnicity, Westchester County, 2019-2020



AI/AN: American Indian/Alaska Native; NH/PI: Native Hawaiian/Pacific Islander

Ambulatory Surgeries

Ambulatory Surgeries Associated with Substance Use by Substance, Westchester County, 2019-2020



Ambulatory Surgeries Associated with Substance Use by Hospital of Care, Westchester County, 2019-2020

| Hospital of Care | 2019 | | 2020 | |
|--|--------------|--------------|--------------|--------------|
| | Visits | (%) | Visits | (%) |
| TOTAL | 2,820 | 100.0 | 2,174 | 100.0 |
| WESTCHESTER COUNTY | 1,731 | 61.4 | 1,346 | 61.9 |
| Montefiore Mount Vernon Hospital | 25 | 0.9 | 8 | 0.4 |
| Montefiore New Rochelle Hospital | 17 | 0.6 | 17 | 0.8 |
| New York Presbyterian/Lawrence Hospital | 204 | 7.3 | 225 | 10.4 |
| New York Presbyterian/Hudson Valley Hospital | 133 | 4.7 | 74 | 3.4 |
| Northwell Northern Westchester Hospital | 157 | 5.6 | 152 | 7.0 |
| Northwell Phelps Hospital | 14 | 0.5 | 14 | 0.6 |
| St. John's Riverside Hospital - Dobbs Ferry Pavilion | 5 | 0.2 | 2 | 0.1 |
| St. John's Riverside Hospital - St. John's Division | 17 | 0.6 | 11 | 0.5 |
| St. Joseph's Medical Center | 1 | 0.0 | 62 | 2.9 |
| Westchester Medical Center | 497 | 17.6 | 253 | 11.6 |
| White Plains Hospital Center | 661 | 23.4 | 527 | 24.2 |
| Other | 0 | 0.0 | 1 | 0.0 |
| BRONX COUNTY | 355 | 12.6 | 262 | 12.1 |
| NEW YORK COUNTY | 517 | 18.3 | 386 | 17.8 |
| PUTNAM COUNTY | 151 | 5.4 | 104 | 4.8 |
| OTHER NEW YORK STATE COUNTIES | 66 | 2.3 | 76 | 3.5 |

Data Sources

This Community Health Data Report was prepared using the New York State Department of Health's Statewide Planning and Research Cooperative System (SPARCS). SPARCS collects information pertaining to discharges across all hospitals in New York State. This includes each hospital inpatient stay and hospital outpatient (ambulatory surgery, emergency department, and other outpatient services) visit. The data reported in this brief references only hospital outpatient visits for Westchester County from 2019 and 2020.

SPARCS data is collected at the patient-level, reporting the demographics, diagnoses, services provided, and hospital charges for each patient. In order to protect patient privacy, de-identified data was used to create this report, meaning all personal identifiers (i.e., patient names, residential addresses, and individual medical records) have been omitted from the county's data set.

Additionally, reporting of data by individual hospitals to the New York State Department of Health varies in completeness over time. As a result, SPARCS data is routinely being updated. All data reported in this brief reflect SPARCS in relation to Westchester County as of July 2022.

Maps

The distribution of hospital visits associated with substance use by residential ZIP code are reported by both case count and case rate. To determine rates, population data was retrieved from the American Community Survey 5-Year Estimate (2015-2019) for 2019, and the decennial United States Census (2020) for 2020.

Rates could not be calculated for three ZIP codes. Populations for 10521 and 10587 are not reported by the U.S. Census Bureau, and instead are determined by use of census-designated places (CDPs). Additionally, more hospital visits are reported in 10540 than total population. In order to maintain consistency in hospital visit and population reporting, hospital visits in these three ZIP codes are grouped into the nearest and/or largest neighboring ZIP codes.

Diagnoses

SPARCS uses the tenth revision of the International Classification of Diseases (ICD-10) to log diagnoses made during each hospital visit for 2019 and 2020. Hospital visits associated with substance use were determined for this data report by a search of the ICD-10 codes listed for each visit. The principal diagnosis is the condition of the patient chiefly responsible for their hospital visit. The non-principal diagnosis is an accompanying condition the patient has that contributes to their visit. This data brief includes all cases with any diagnosis involving substance use. Codes of interest are listed by substance type in Appendix A.

Appendix

Appendix A. Substance Use-Related ICD-10 Codes

| Substance | Category | ICD-10 Code | Description |
|--|--|--|---|
| Alcohol | Abuse | F10.1 | Alcohol abuse |
| | Dependence | F10.2 | Alcohol dependence |
| | Use | F10.9 | Alcohol use, unspecified |
| | Poisoning/ Adverse Effect | T51.0 | Toxic effect of alcohol |
| | Disease | G31.2 | Degeneration of nervous system due to alcohol |
| | | G62.1 | Alcoholic polyneuropathy |
| | | G72.1 | Alcoholic myopathy |
| | | I42.6 | Alcohol cardiomyopathy |
| | | K29.2 | Alcoholic gastritis |
| | | K70 | Alcoholic liver disease |
| K85.2 | | Alcohol induced acute pancreatitis | |
| K86.0 | Alcohol induced chronic pancreatitis | | |
| Pregnancy/ Childbirth/ Postpartum Complications | O35.4 | Maternal care for (suspected) damage to fetus from alcohol | |
| | O99.31 | Alcohol use complicating pregnancy, childbirth, and the puerperium | |
| | P04.3 | Newborn affected by maternal use of alcohol | |
| | Q86.0 | Fetal alcohol syndrome (dysmorphic) | |
| Therapy | Z71.41 | Alcohol abuse counseling and surveillance of alcoholic | |
| Presence in Bloodstream | R78.0 | Finding of alcohol in blood | |
| Cannabis | Abuse | F12.1 | Cannabis abuse |
| | Dependence | F12.2 | Cannabis dependence |
| | Use | F12.9 | Cannabis use, unspecified |
| | Poisoning/ Adverse Effect | T40.7 | Poisoning by and adverse effect of cannabis (derivatives) |
| | Pregnancy/ Childbirth/ Postpartum Complications | P04.81 | Newborn affected by maternal use of cannabis |
| Cocaine | Abuse | F14.1 | Cocaine abuse |
| | Dependence | F14.2 | Cocaine dependence |
| | Use | F14.9 | Cocaine use, unspecified |
| | Poisoning/ Adverse Effect | T40.5 | Poisoning by and adverse effect of cocaine |
| | Pregnancy/ Childbirth/ Postpartum Complications | P04.41 | Newborn affected by maternal use of cocaine |
| | Presence in Bloodstream | R78.2 | Finding of cocaine in blood |
| Hallucinogen | Abuse | F16.1 | Hallucinogen abuse |
| | Dependence | F16.2 | Hallucinogen dependence |
| | Use | F16.9 | Hallucinogen use, unspecified |

| | | | |
|---------------------------------|--|---|---|
| | Poisoning/ Adverse Effect | T40.8 T40.9 | Poisoning by and adverse effect of lysergide (LSD) Poisoning by and adverse effect of other and unspecified psychodysleptics (hallucinogens) |
| | Pregnancy/ Childbirth/ Postpartum Complications | P04.42 | Newborn affected by maternal use of hallucinogens |
| | Presence in Bloodstream | R78.3 | Finding of hallucinogen in blood |
| Nicotine/ Tobacco | Dependence | F17.2 | Nicotine dependence |
| | Use | Z72.0 | Tobacco use |
| | Poisoning | T65.2 | Toxic effect of tobacco and nicotine |
| | Pregnancy/ Childbirth/ Postpartum Complications | O99.33 P04.2 | Tobacco use disorder complicating pregnancy, childbirth, and the puerperium Newborn affected by maternal use of tobacco |
| | Therapy | Z71.6 | Tobacco abuse counseling |
| Opioid | Abuse | F11.1 | Opioid abuse |
| | Dependence | F11.2 | Opioid dependence |
| | Use | F11.9 | Opioid use, unspecified |
| | Poisoning/ Adverse Effect | T40.0 T40.1 T40.2 T40.3 T40.4 T40.6 | Poisoning by and adverse effect of opium Poisoning by and adverse effect of heroin Poisoning by and adverse effect of other opioids Poisoning by and adverse effect of methadone Poisoning by and adverse effect of synthetic narcotics Poisoning by and adverse effect of other and unspecified narcotics |
| | Pregnancy/ Childbirth/ Postpartum Complications | P04.14 | Newborn affected by maternal use of opiates |
| | Presence in Bloodstream | R78.1 | Finding of opiate drug in blood |
| | Other & Unspecified | Abuse | F13.1 F15.1 F18.1 F19.1 |
| Dependence | | F13.2 F15.2 F18.2 F19.2 | Sedative, hypnotic or anxiolytic-related dependence Other stimulant dependence (amphetamines and caffeine) Inhalant dependence (volatile solvents) Other psychoactive substance dependence (polysubstance/indiscriminate drug use) |
| Use | | F13.9 F15.9 F18.9 F19.9 | Sedative, hypnotic or anxiolytic-related use, unspecified Other stimulant use, unspecified (amphetamines and caffeine) Inhalant use, unspecified (volatile solvents) Other psychoactive substance use, unspecified (polysubstance/indiscriminate drug use) |
| Poisoning/ Adverse Effect | | T42.3 T42.4 T42.5 T42.6 T42.7 T43 T50.7 | Poisoning by and adverse effect of barbiturates Poisoning by and adverse effect of benzodiazepines Poisoning by and adverse effect of mixed antiepileptics Poisoning by and adverse effect of other antiepileptic and sedative- hypnotic drugs Poisoning by and adverse effect of unspecified antiepileptic and sedative-hypnotic drugs Poisoning by and adverse effect of psychotropic drugs, not elsewhere classified Poisoning by and adverse effect of analeptics and opioid receptor antagonists |

| | | |
|--|---|---|
| | T50.9 | Poisoning by and adverse effect of other and unspecified drugs, medicaments and biological substances |
| Pregnancy/ Childbirth/ Postpartum Complications | O35.5 | Maternal care for (suspected) damage to fetus by drugs |
| | O99.32 | Drug use complicating pregnancy, childbirth, and the puerperium |
| | P04.16 | Newborn affected by maternal use of amphetamines |
| | P04.17 | Newborn affected by maternal use of sedative-hypnotics |
| | P04.1A | Newborn affected by maternal use of anxiolytics |
| | P04.18 | Newborn affected by other maternal medication |
| | P04.19 | Newborn affected by maternal use of unspecified medication |
| | P04.40 | Newborn affected by maternal use of unspecified drugs of addiction |
| | P04.49 | Newborn affected by maternal use of other drugs of addiction |
| P04.89 | Newborn affected by other maternal noxious substances | |
| P04.9 | Newborn affected by maternal noxious substance, unspecified | |
| Therapy | Z71.51 | Drug abuse counseling and surveillance of drug abuser |
| Presence in Bloodstream | R78.4 | Finding of other drugs of addictive potential in blood |
| | R78.5 | Finding of other psychotropic drug in blood |

Source: International Classification of Diseases, Tenth Revision

Appendix B. Westchester County Population, 2020

| | Population | Percent (%) |
|----------------------------------|------------|-------------|
| Total | 1,004,457 | 100.00 |
| Sex | | |
| Male | 480,510 | 47.84 |
| Female | 523,947 | 52.16 |
| Age Group (years) | | |
| < 15 | 178,960 | 17.82 |
| 15 - 24 | 129,122 | 12.85 |
| 25 - 34 | 114,111 | 11.36 |
| 35 - 44 | 130,096 | 12.95 |
| 45 - 54 | 139,309 | 13.87 |
| 55 - 64 | 137,630 | 13.70 |
| 65 - 74 | 95,929 | 9.55 |
| 75 + | 79,300 | 7.89 |
| Race | | |
| White | 533,150 | 53.08 |
| Black/African American | 141,094 | 14.05 |
| Asian | 65,707 | 6.54 |
| American Indian/Alaska Native | 7,466 | 0.74 |
| Native Hawaiian/Pacific Islander | 339 | 0.03 |
| Biracial/Multiracial | 109,790 | 10.93 |
| Other | 146,911 | 14.63 |
| Ethnicity | | |
| Hispanic or Latino | 269,334 | 26.81 |
| Not Hispanic or Latino | 735,123 | 73.19 |

Source: U.S. Census Bureau