

Westchester County Department of Health

2024.02

Community Health Data Report

2024.02

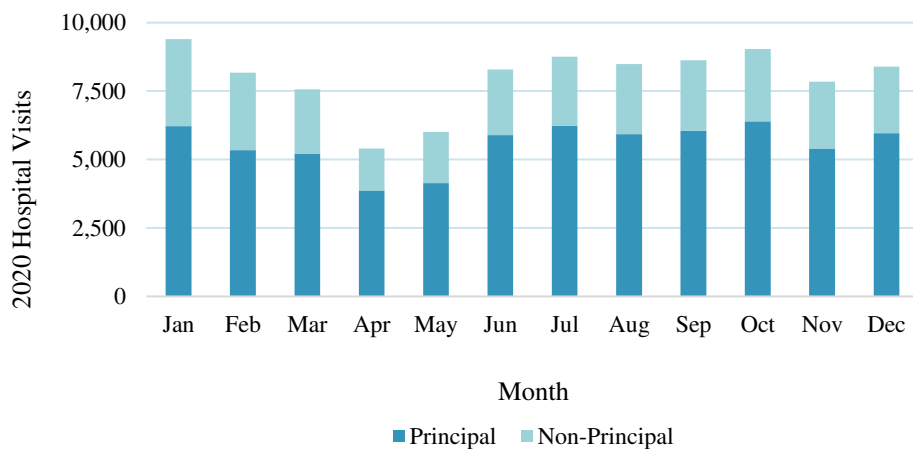
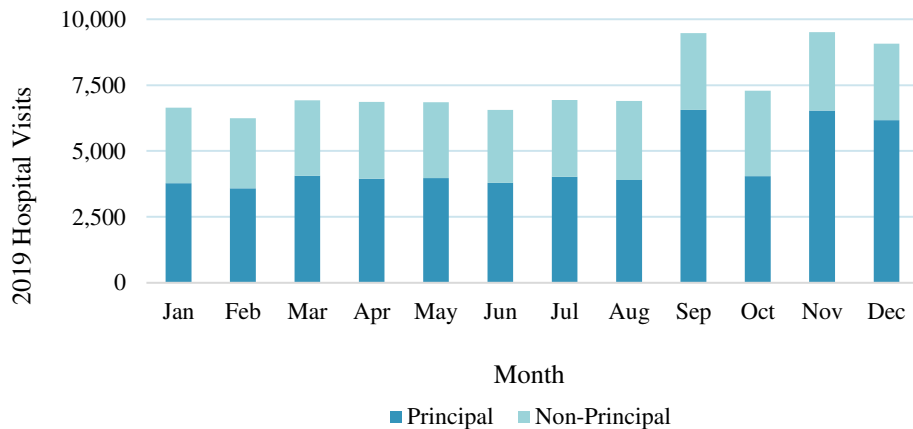
Hospital Visits Associated with Substance Use, Westchester County, 2019-2020

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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



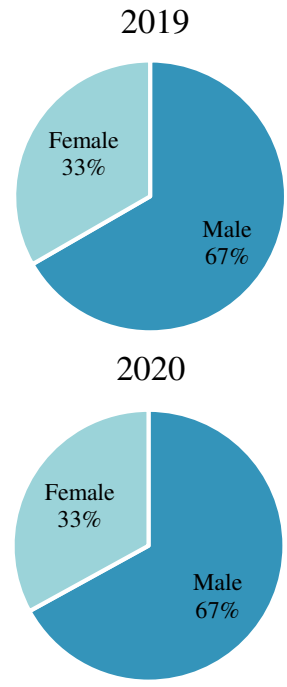
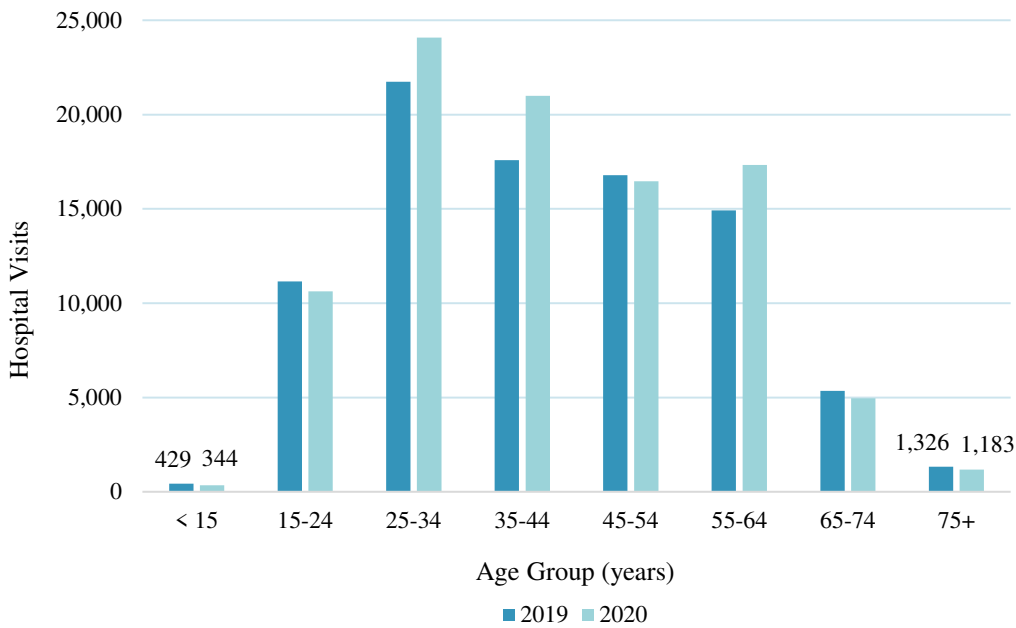
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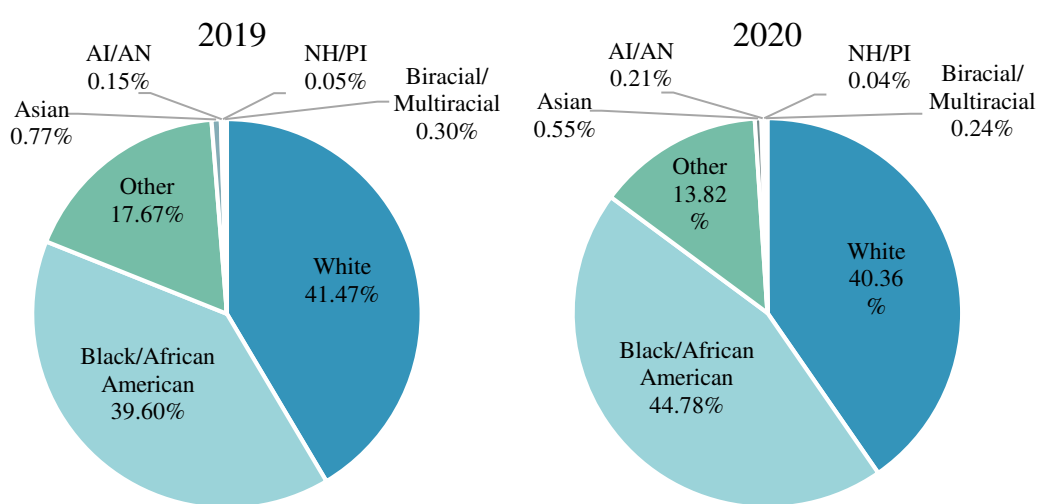
Demographics

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.

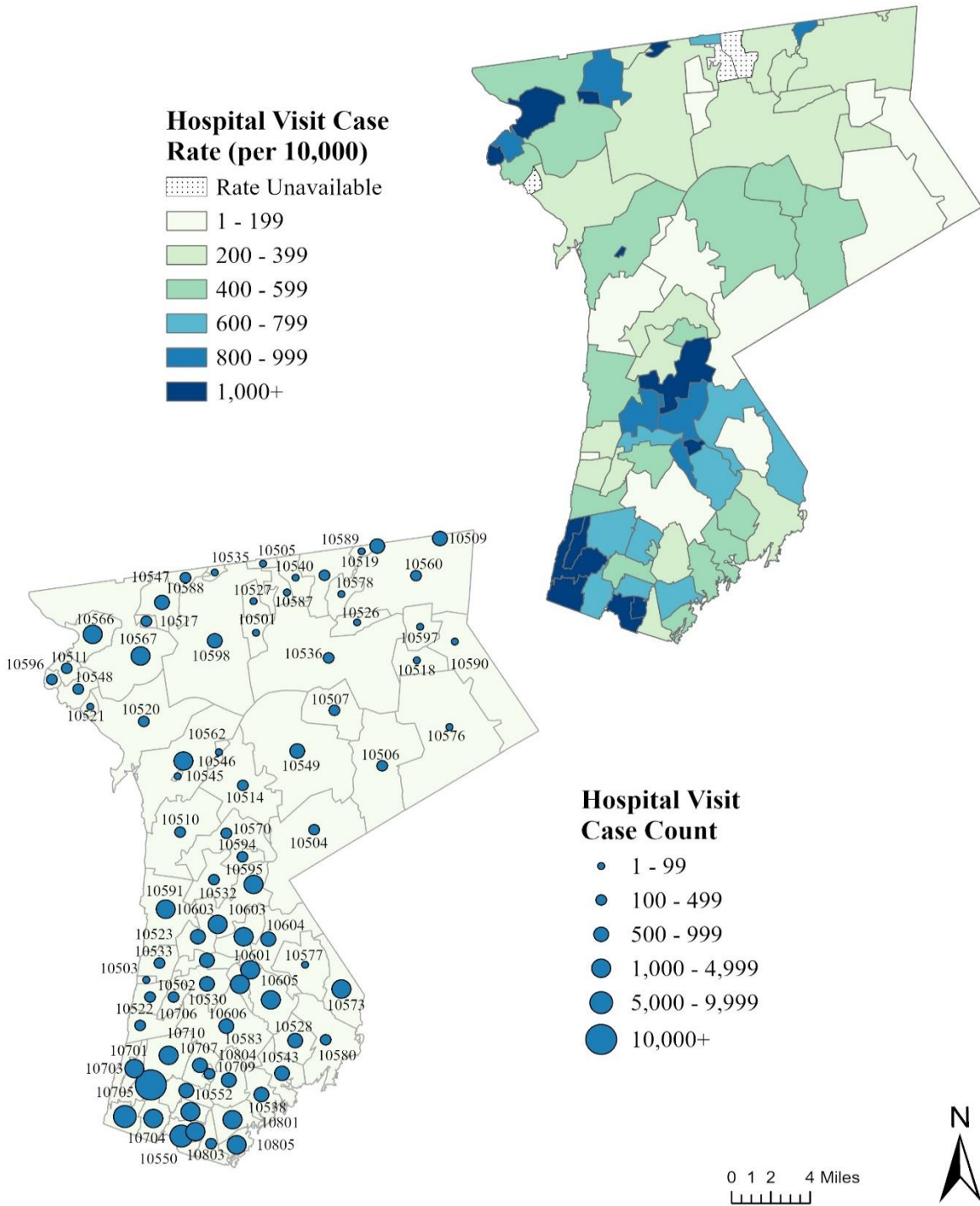
Hospital Visits Associated with Substance Use by Race and Ethnicity, Westchester County, 2019-2020



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

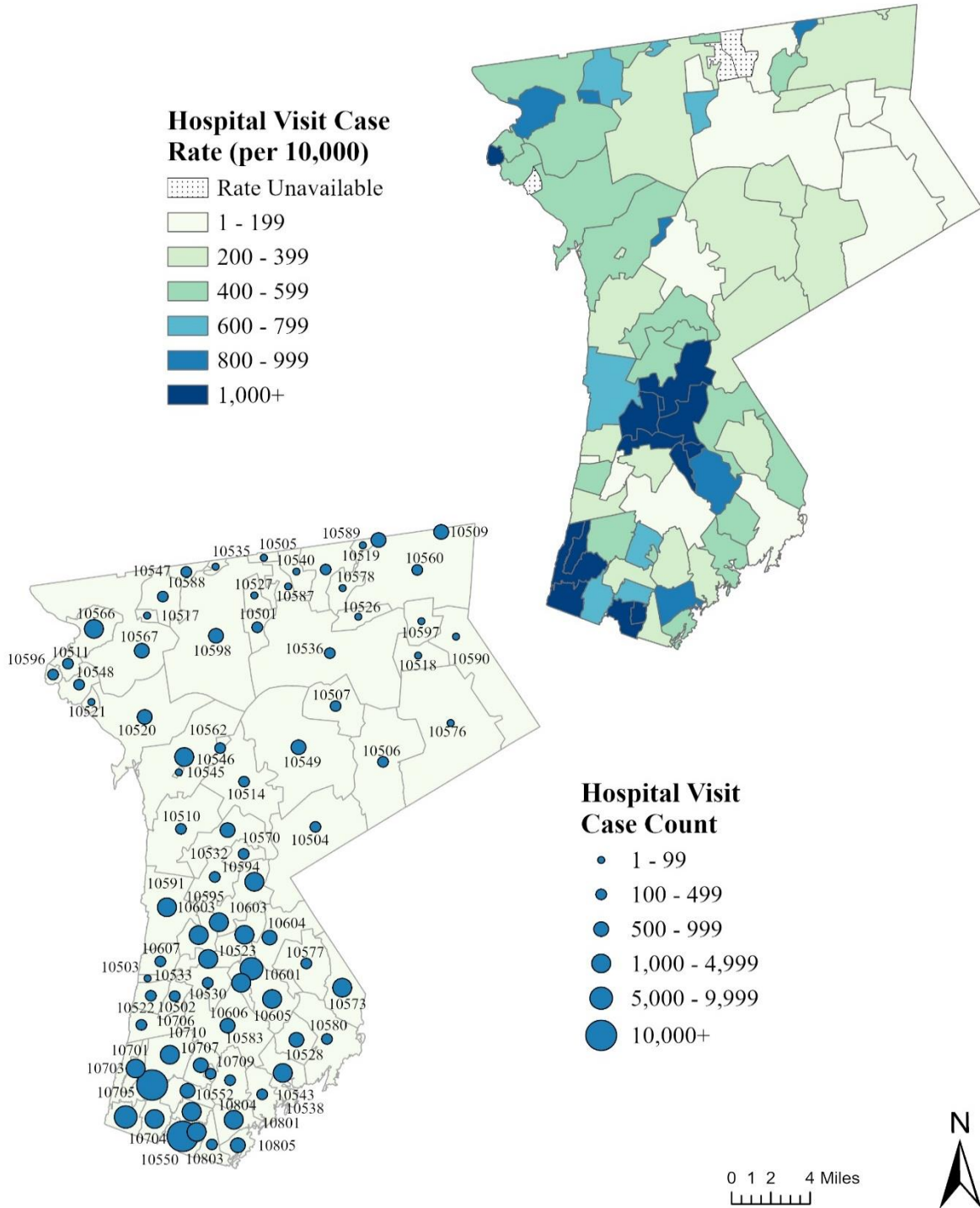
Geographic Distribution

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



Geographic Distribution

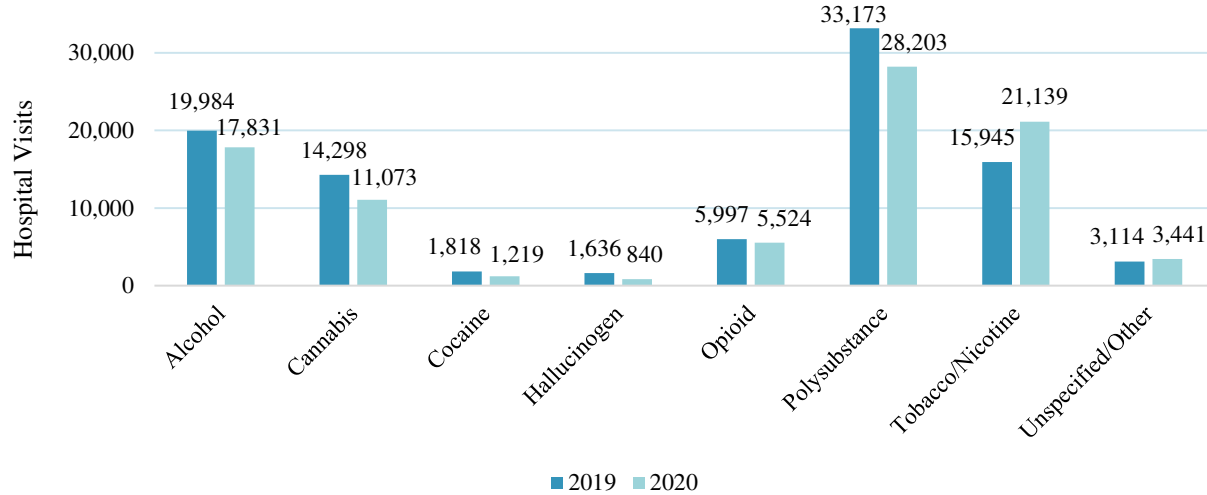
Hospital Visits Associated with Substance Use by ZIP Code of Residence, Westchester County, 2020



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.

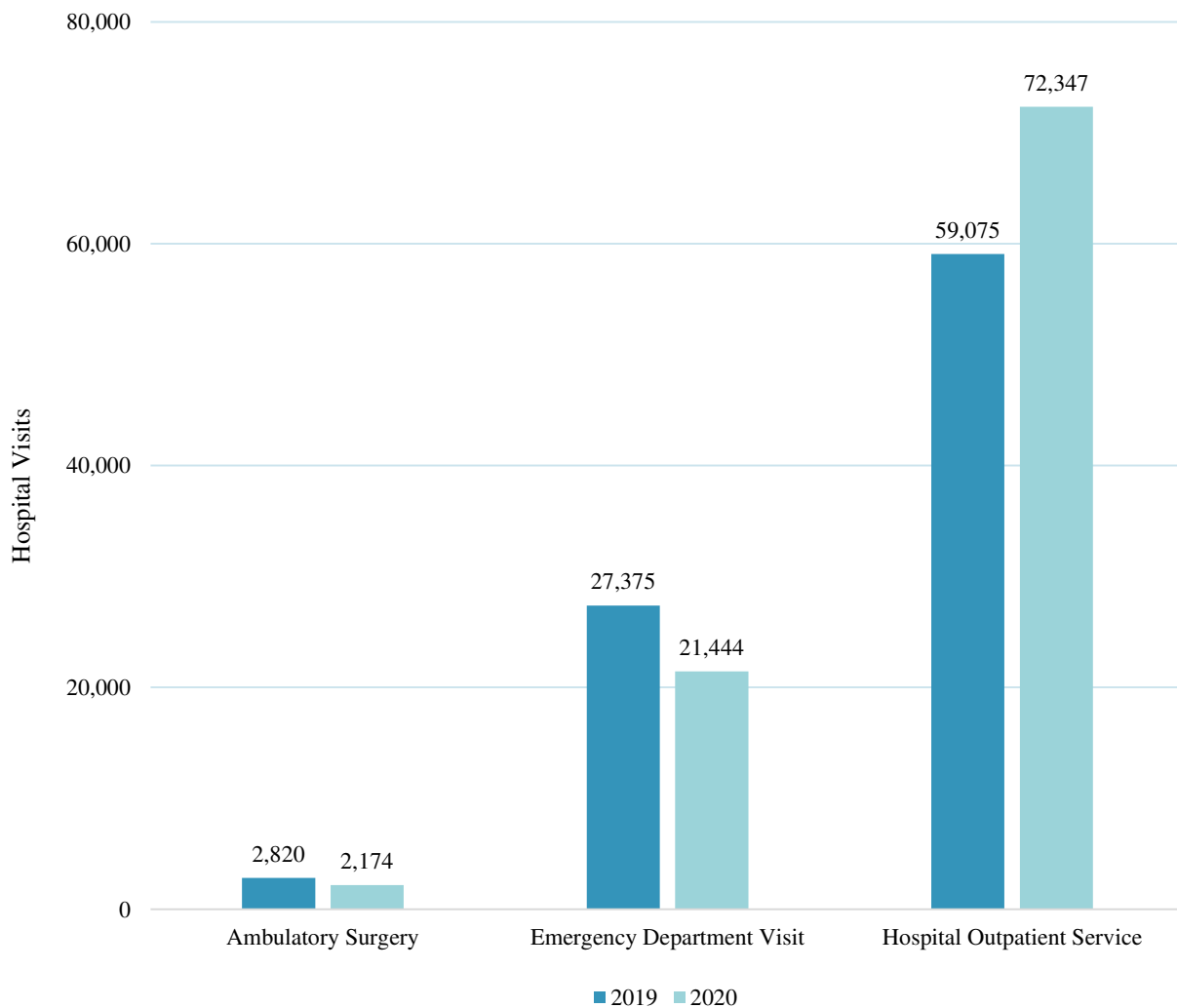
Hospital Visits Associated with Substance Use by Hospital of Care, Westchester County, 2019-2020

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

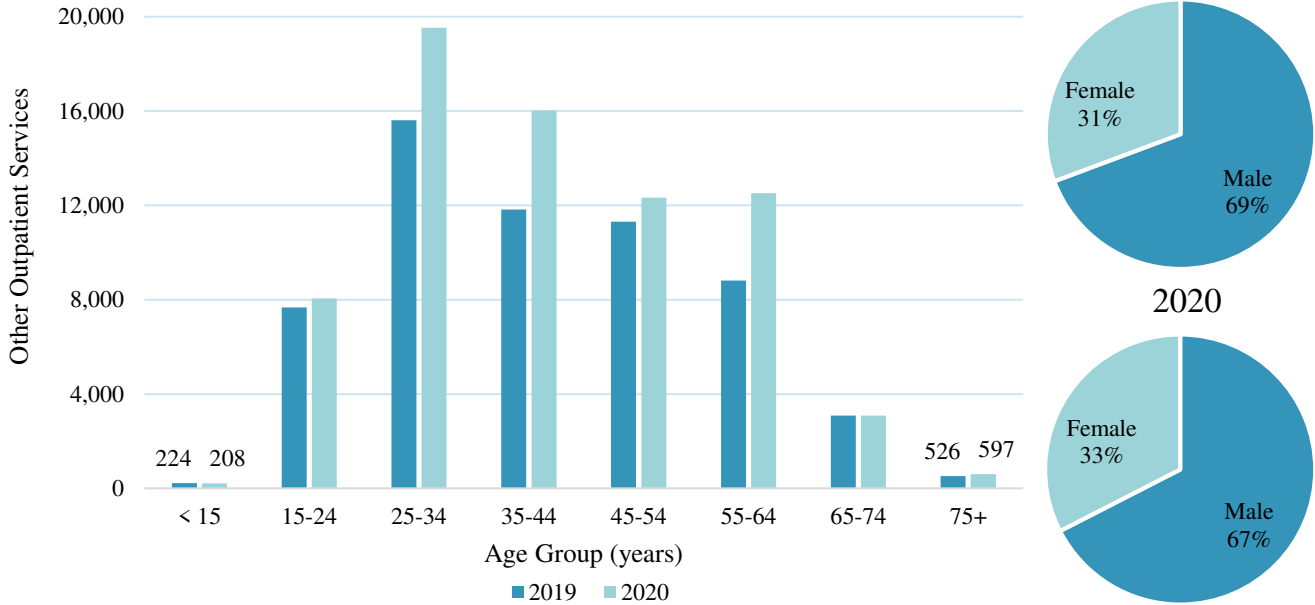
Hospital outpatient care is categorized as hospital outpatient services (services including any medical procedures, screenings, diagnoses, and treatments where a hospital stay is not required), emergency department visits (visits where patients are discharged within one day of admission), and ambulatory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



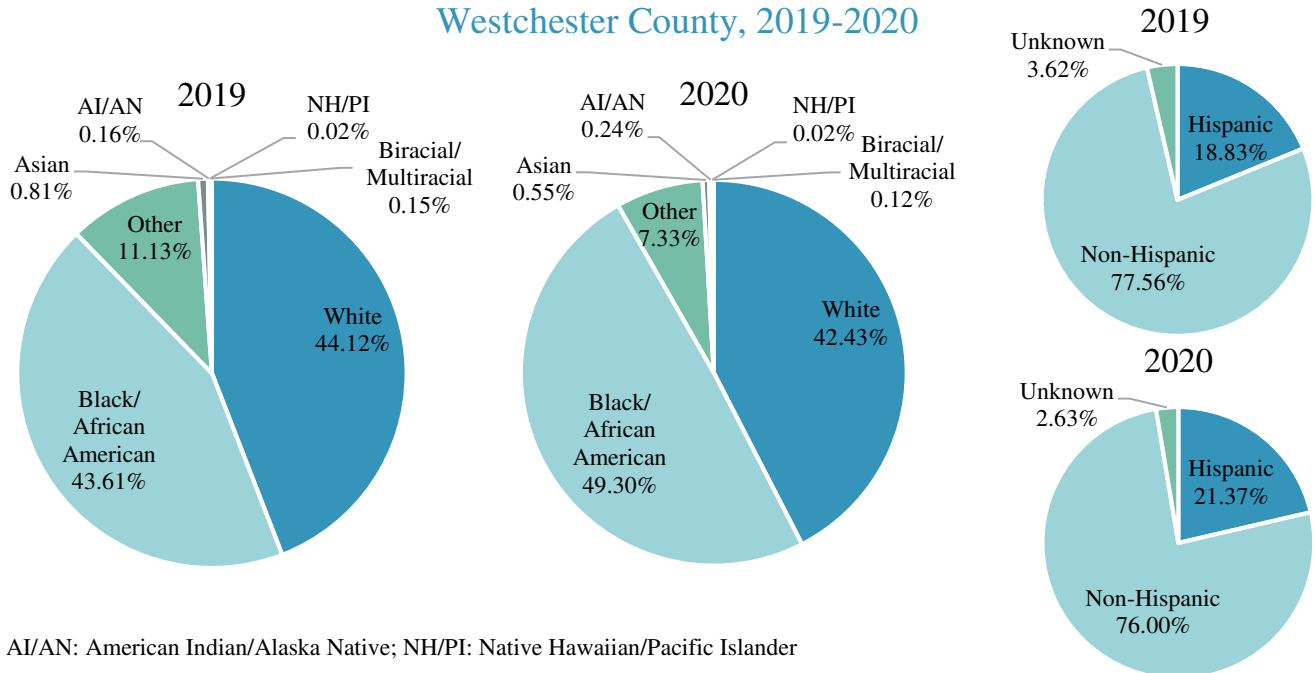
Hospital Outpatient Services

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.

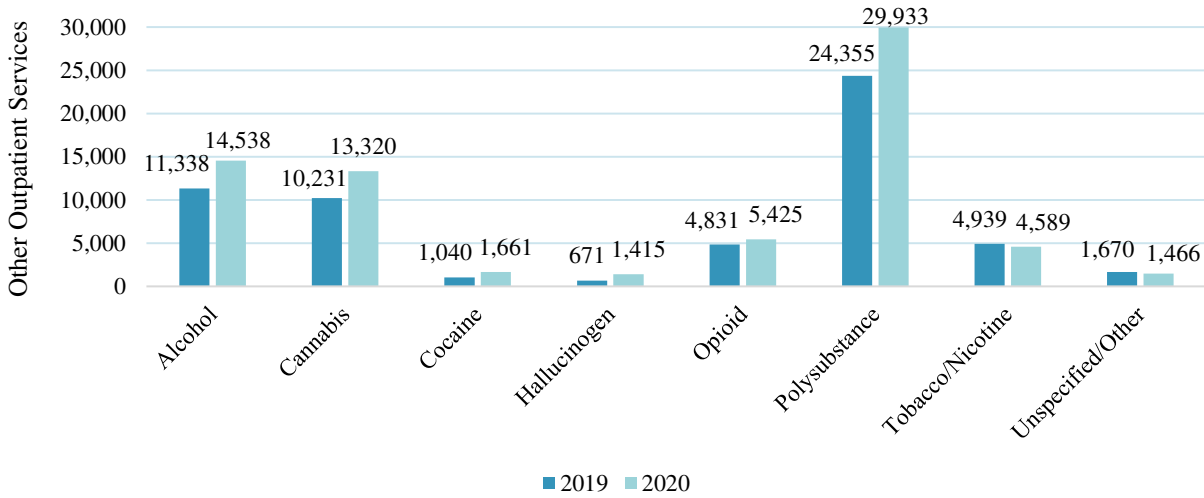
Hospital Outpatient Services Associated with Substance Use by Race and Ethnicity, Westchester County, 2019-2020



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

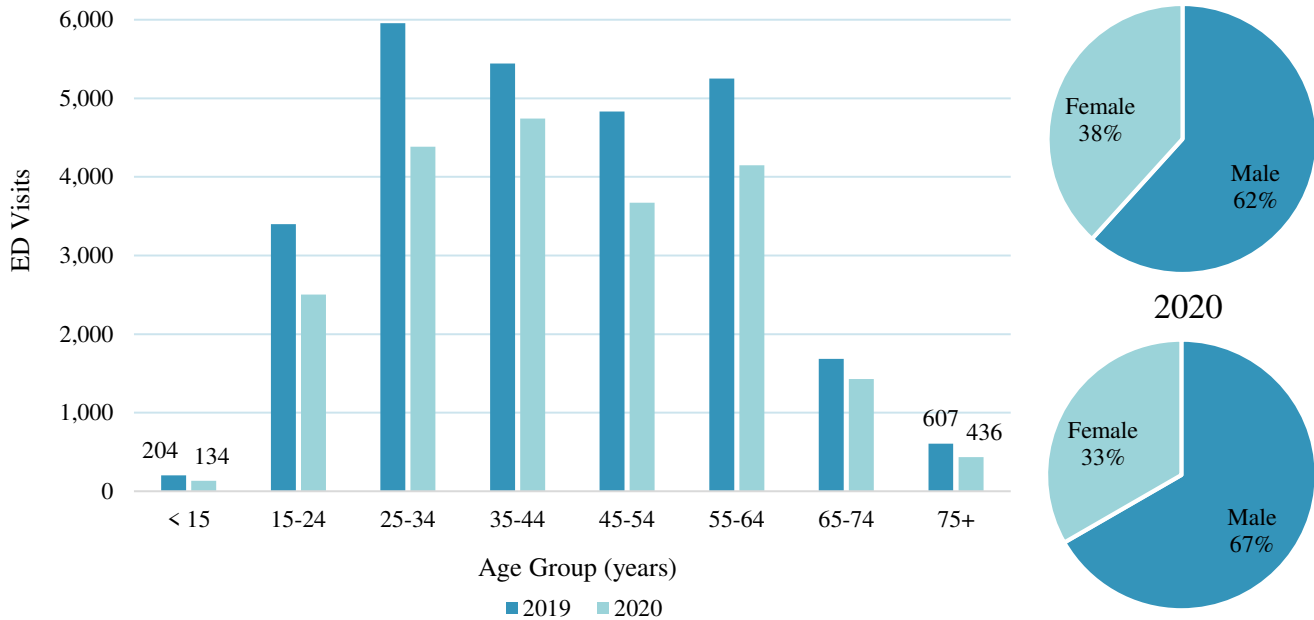


Hospital Outpatient Services Associated with Substance Use by Hospital of Care, Westchester County, 2019-2020

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

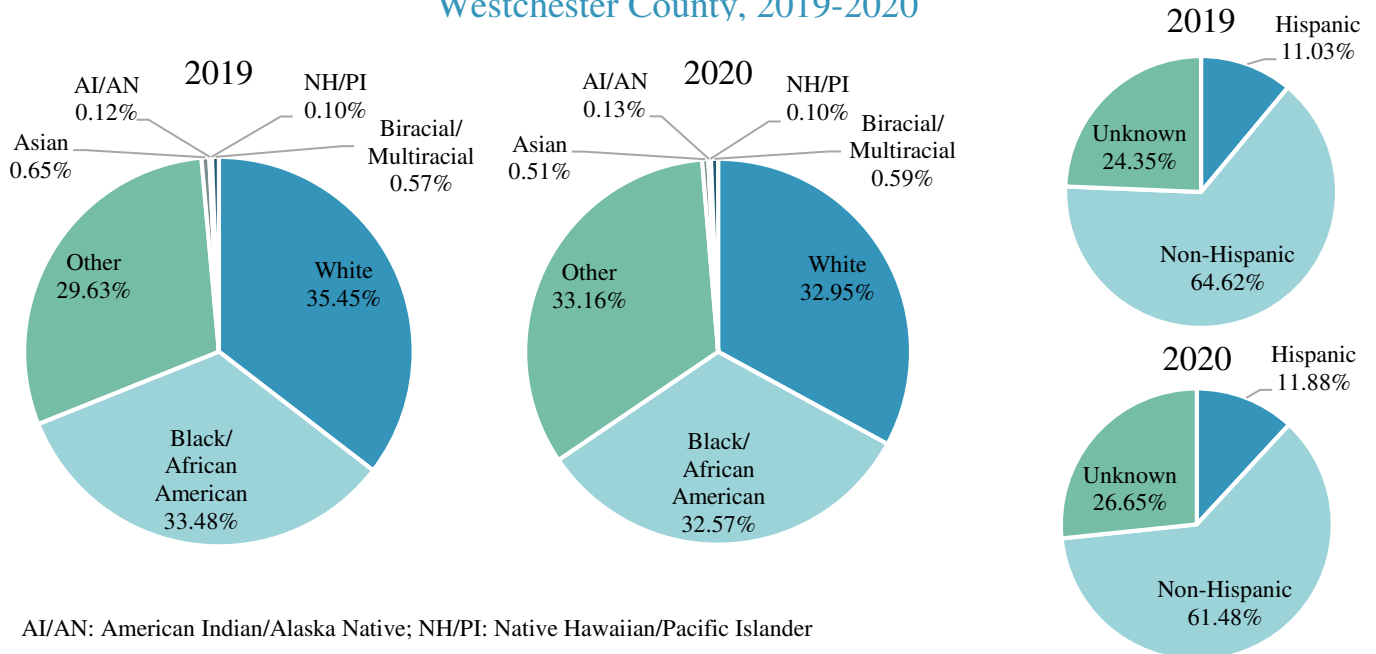
Emergency Department Visits

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



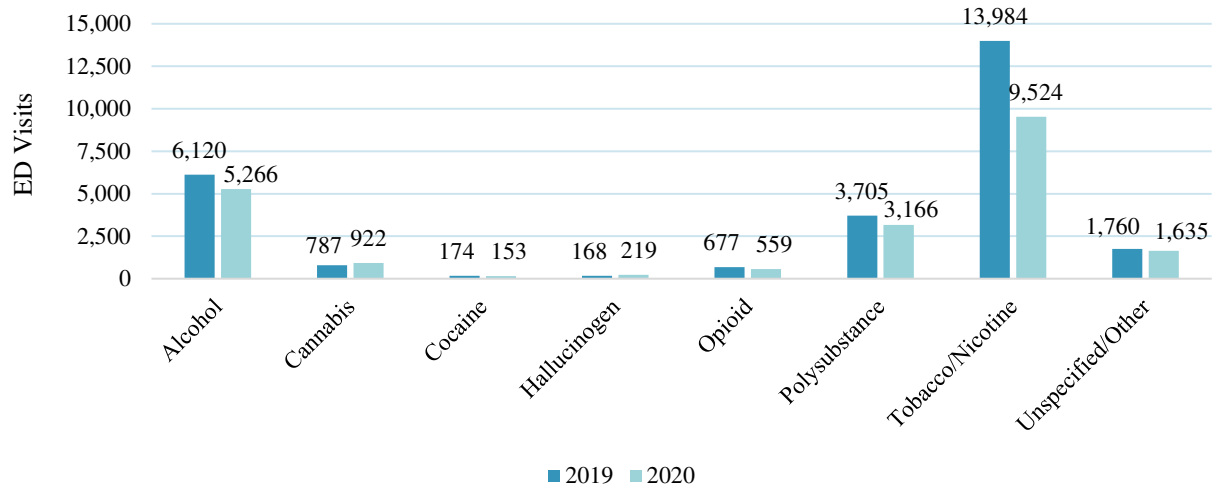
There were more men than women who made an ED visit associated with substance use. Residents aged 25-34 made the most visits compared to other age groups. White and Black/African American residents accounted for one-third of such ED visits, and non-Hispanic residents were the majority of such ED visits.

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

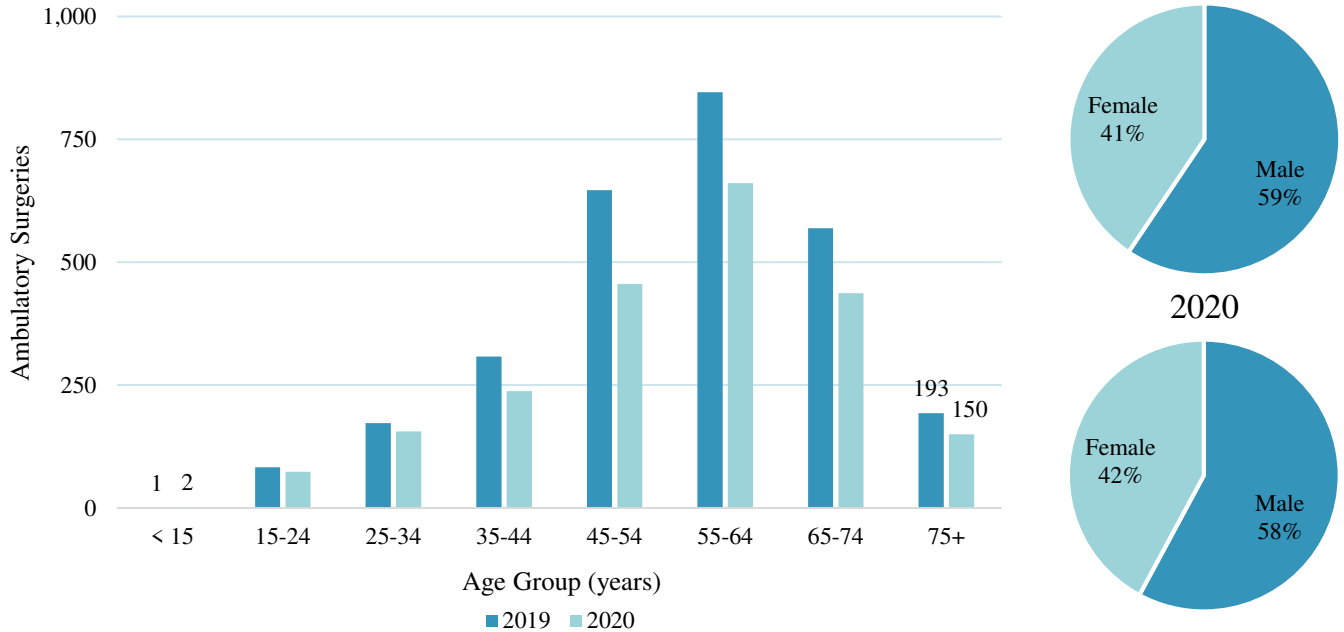


Emergency Department Visits Associated with Substance Use by Hospital of Care, Westchester County, 2019-2020

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

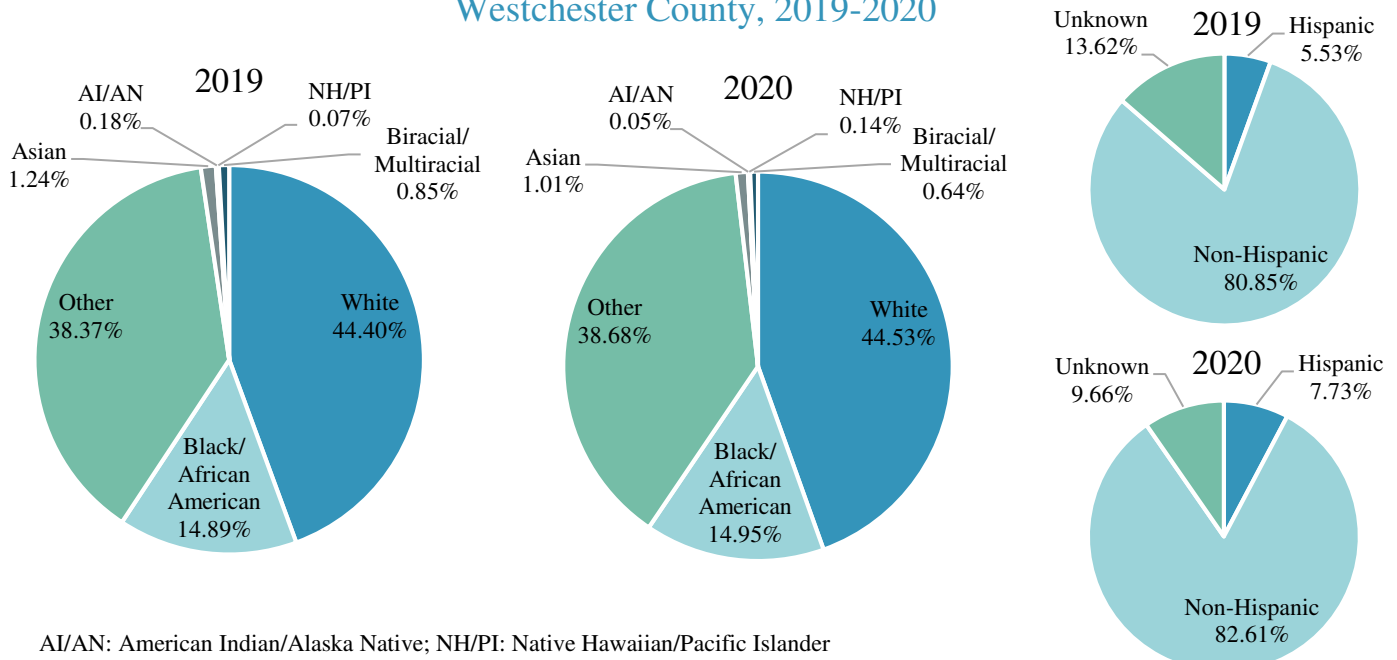
Ambulatory Surgeries

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



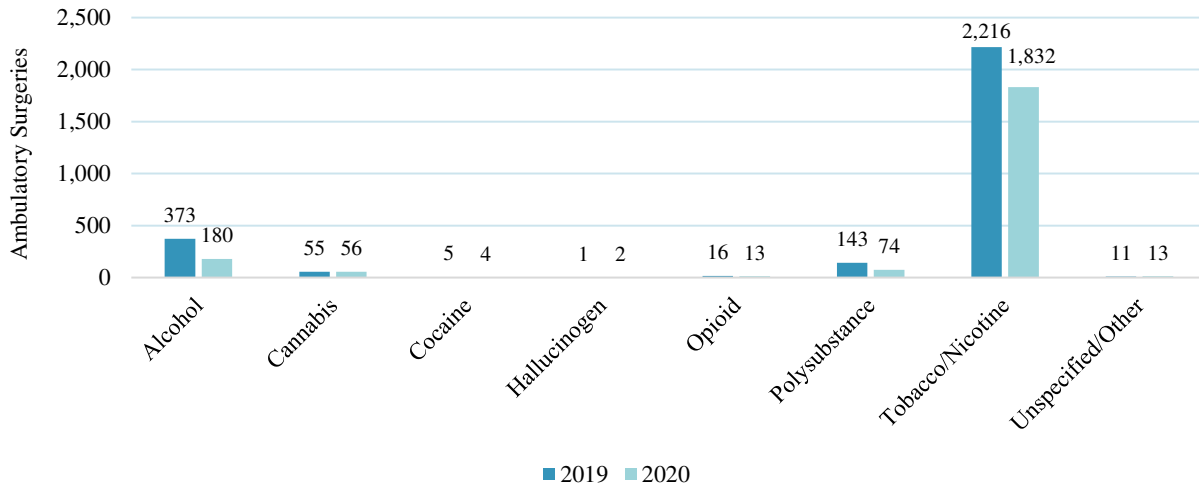
Among those who received ambulatory surgery services associated with substances use, over half were males. Residents aged 55-64 had the most surgery services associated with substance use compared to other age groups. White residents had the most surgery services associated with substance use compared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



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

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		Effect	T40.9	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	Sedative, hypnotic or anxiolytic-related abuse Other stimulant abuse (amphetamines and caffeine) Inhalant abuse (volatile solvents) Other psychoactive substance abuse (polysubstance/indiscriminate drug use)
		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

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