

Westchester County Department of Health

2025.14

Community Health Data Report

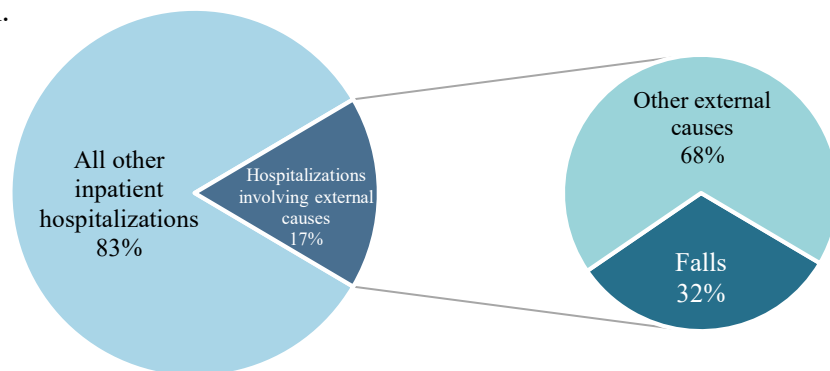
2025.14

Hospitalizations involving falls in Westchester County, 2019 - 2023

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- Patient Demographics
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Over 480,000 inpatient hospitalizations occurred by residents of Westchester County from 2019 to 2023. Of these, 17% involved external causes of morbidity, or injuries and other health conditions that occurred due to external factors. Among these, almost one-third involved a fall. This data report examines inpatient hospitalizations involving falls that occurred by Westchester County residents during this five-year time span.

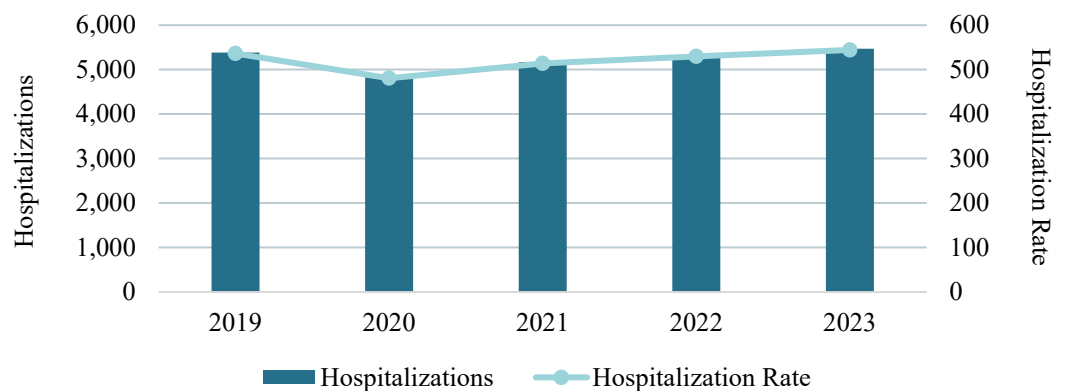


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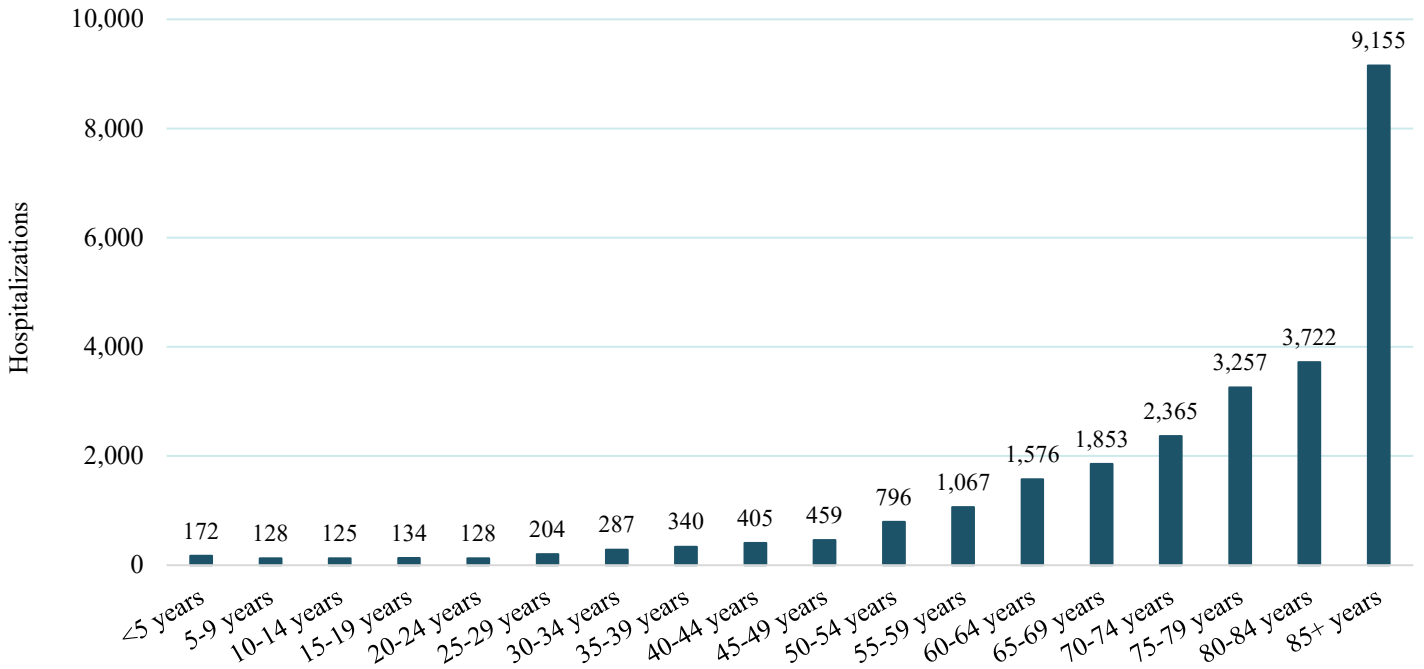
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Hospitalizations involving falls and rate per 100,000 population, Westchester County, 2019 - 2023

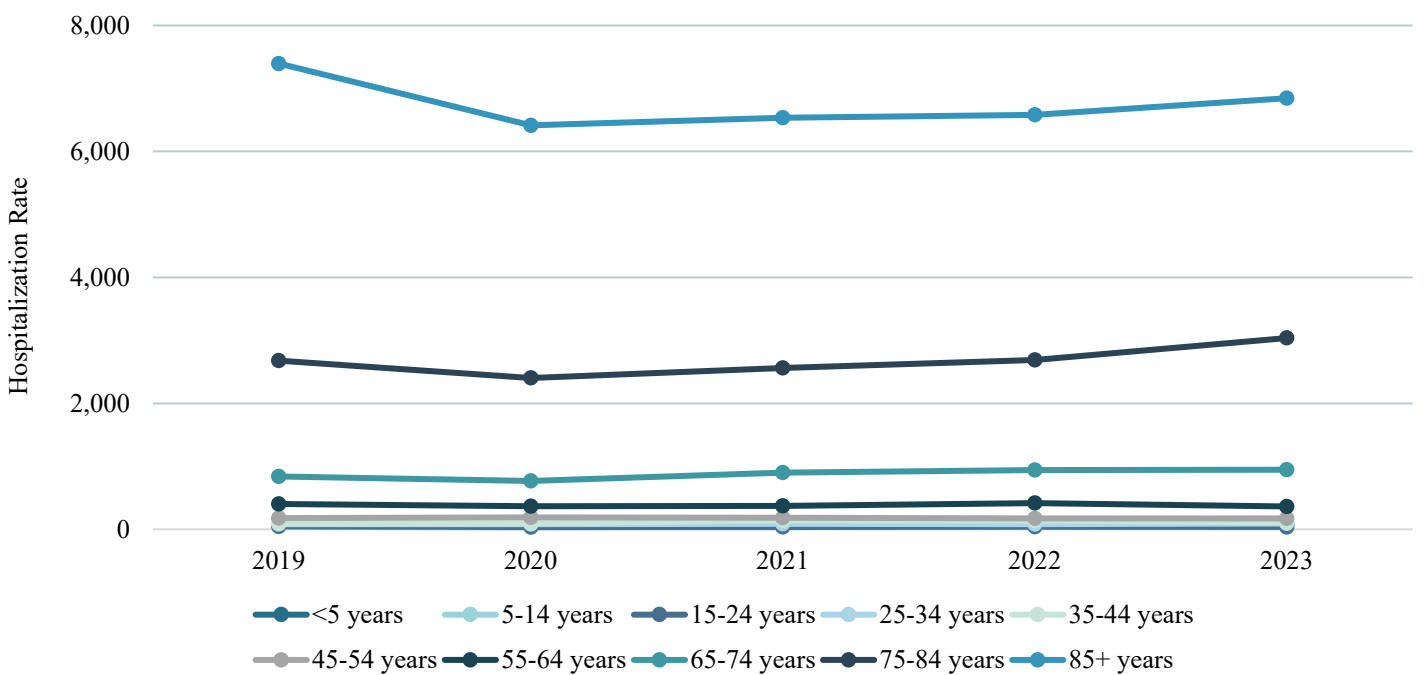


Patient Demographics

Hospitalizations involving falls by age group, Westchester County, 2019 - 2023



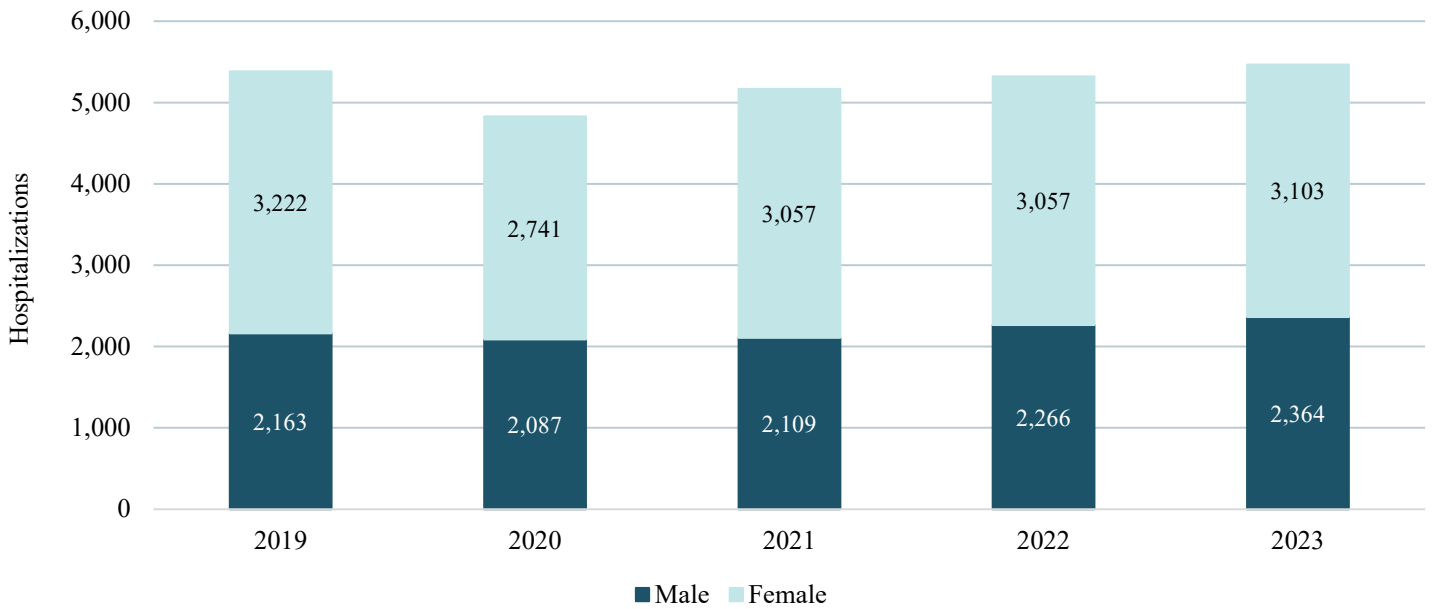
Hospitalization rate involving falls per 100,000 population by age group, Westchester County, 2019 - 2023



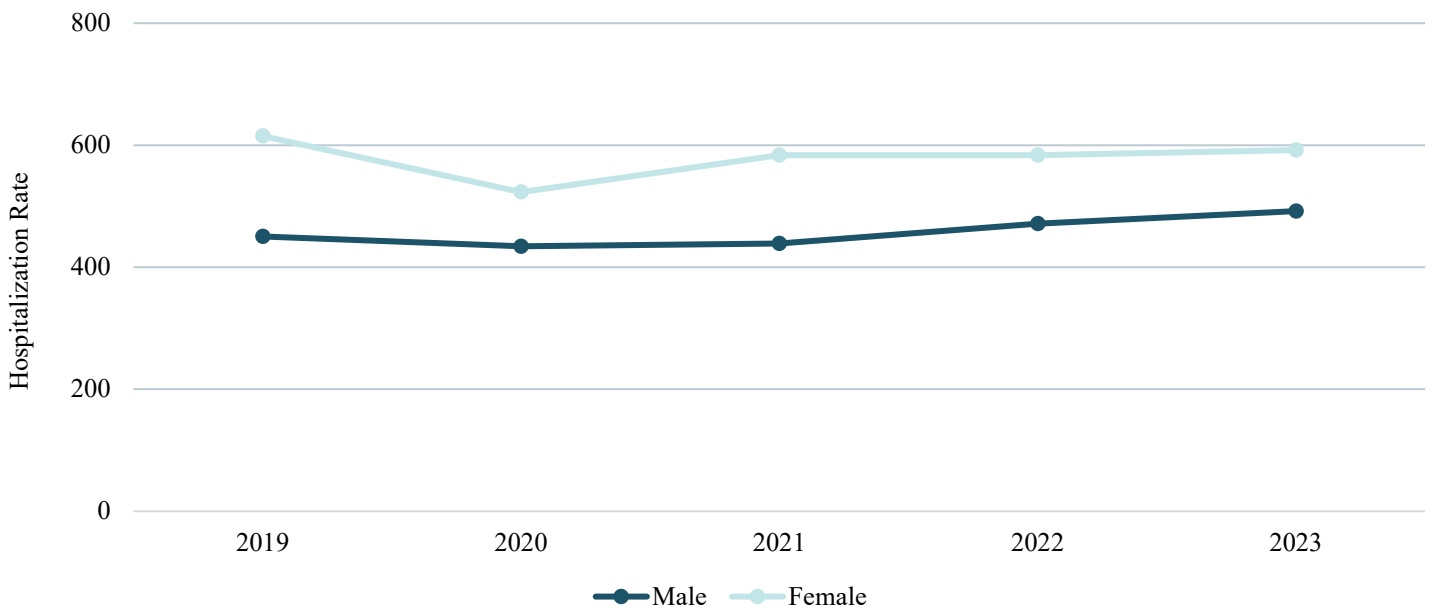
From 20-24 years onward, hospitalizations increased with every subsequent age group. Patients 85 years and older observed the highest hospitalization rates and accounted for 35% of the total inpatient hospitalizations that involved a fall.

Patient Demographics

Hospitalizations involving falls by sex, Westchester County, 2019 - 2023



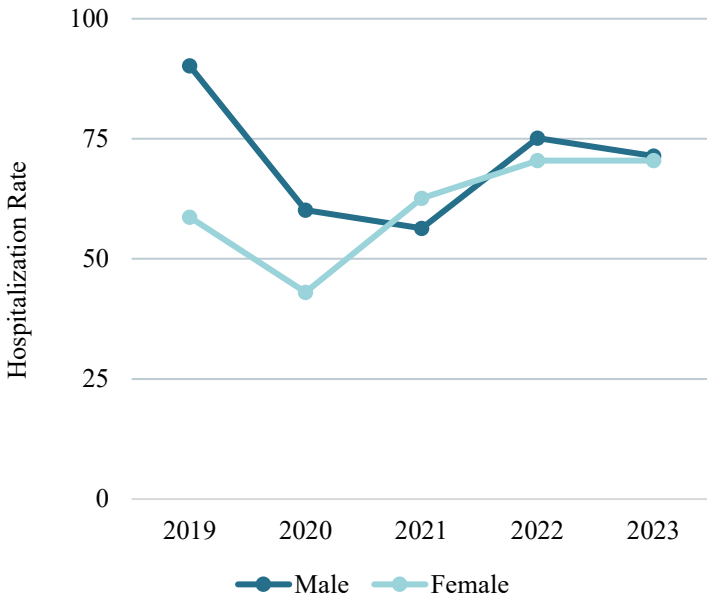
Hospitalization rate involving falls per 100,000 population by sex, Westchester County, 2019 - 2023



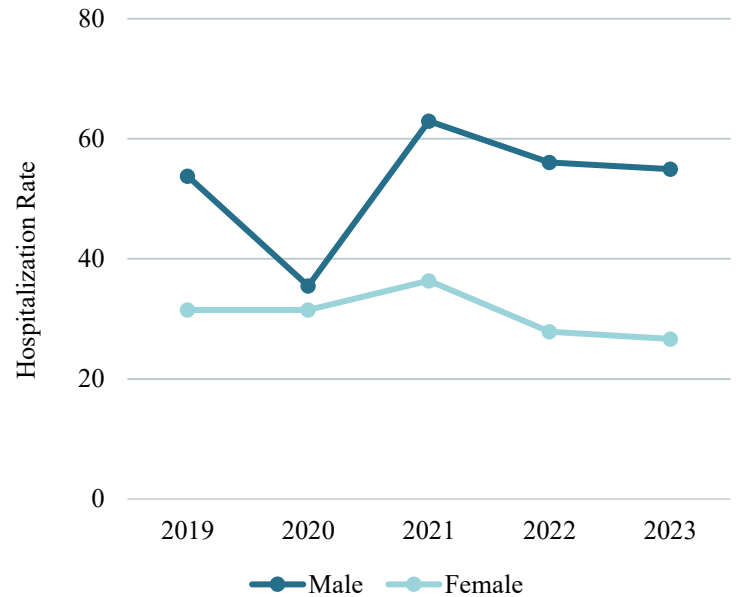
Female patients observed higher hospitalization rates than their male counterparts, accounting for 58% of the total hospitalizations that involved a fall.

Patient Demographics

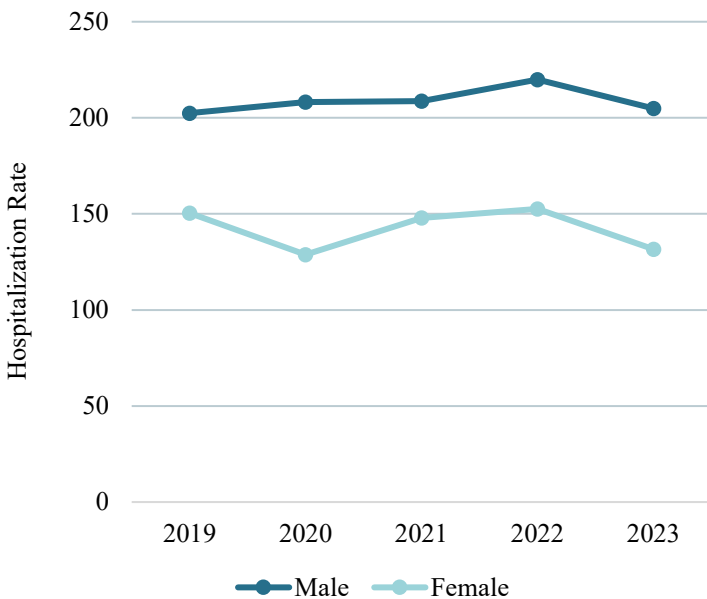
Hospitalization rate involving falls per 100,000 pop. among children under 5 years, Westchester County, 2019 - 2023



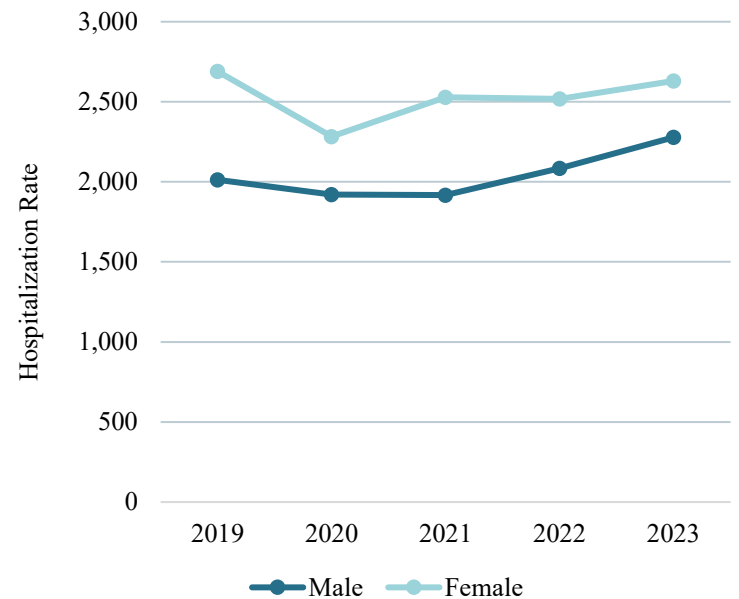
Hospitalization rate involving falls per 100,000 pop. among children ages 5 to 17 years, Westchester County, 2019 - 2023



Hospitalization rate involving falls per 100,000 pop. among adults ages 18 to 64 years, Westchester County, 2019 - 2023



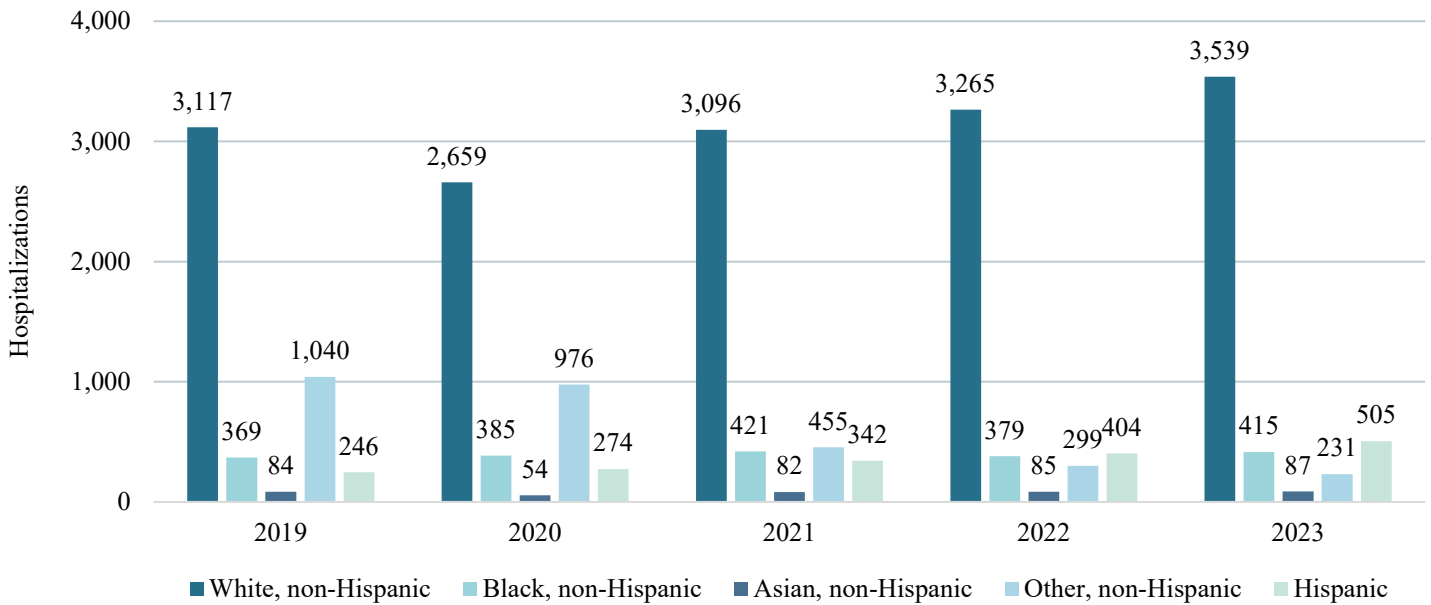
Hospitalization rate involving falls per 100,000 pop. among adults ages 65 years and up, Westchester County, 2019 - 2023



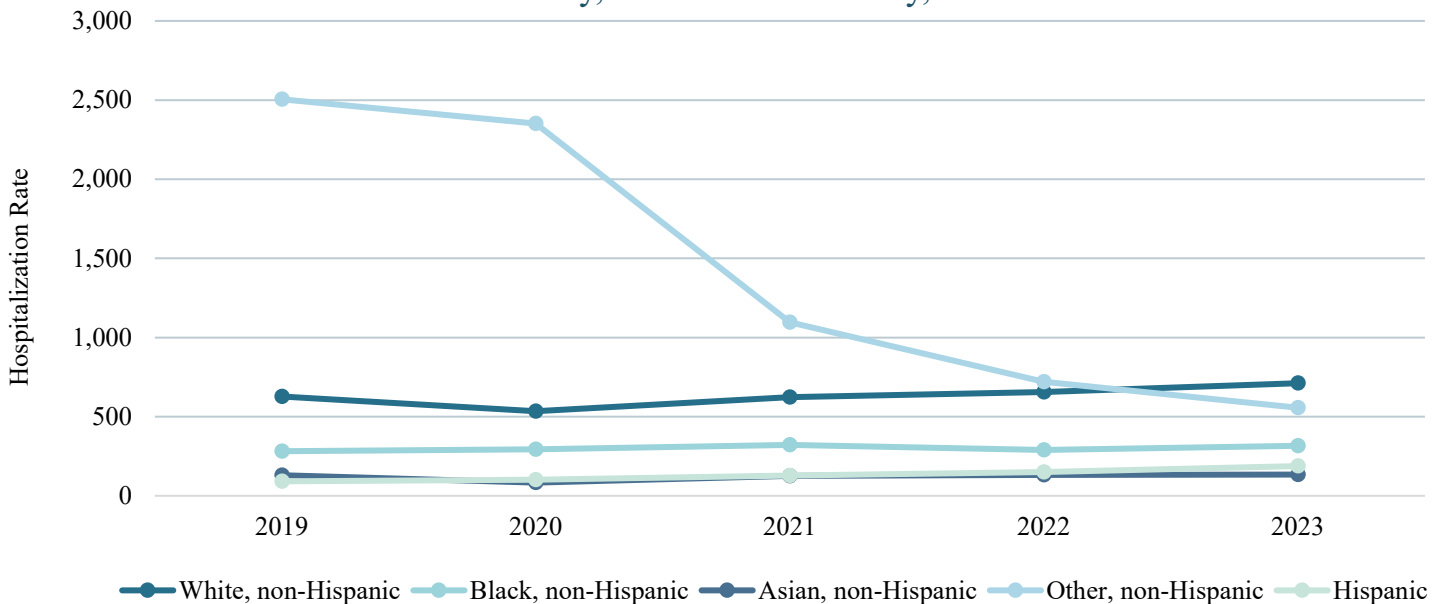
Female adults aged 65 and older observed a higher hospitalization rate than their male counterparts. However, higher hospitalization rates were observed in male children and male adults aged 18 to 64 years.

Patient Demographics

Hospitalizations involving falls by race and ethnicity,¹
Westchester County, 2019 - 2023



Hospitalization rate involving falls per 100,000 population by
race and ethnicity,¹ Westchester County, 2019 - 2023

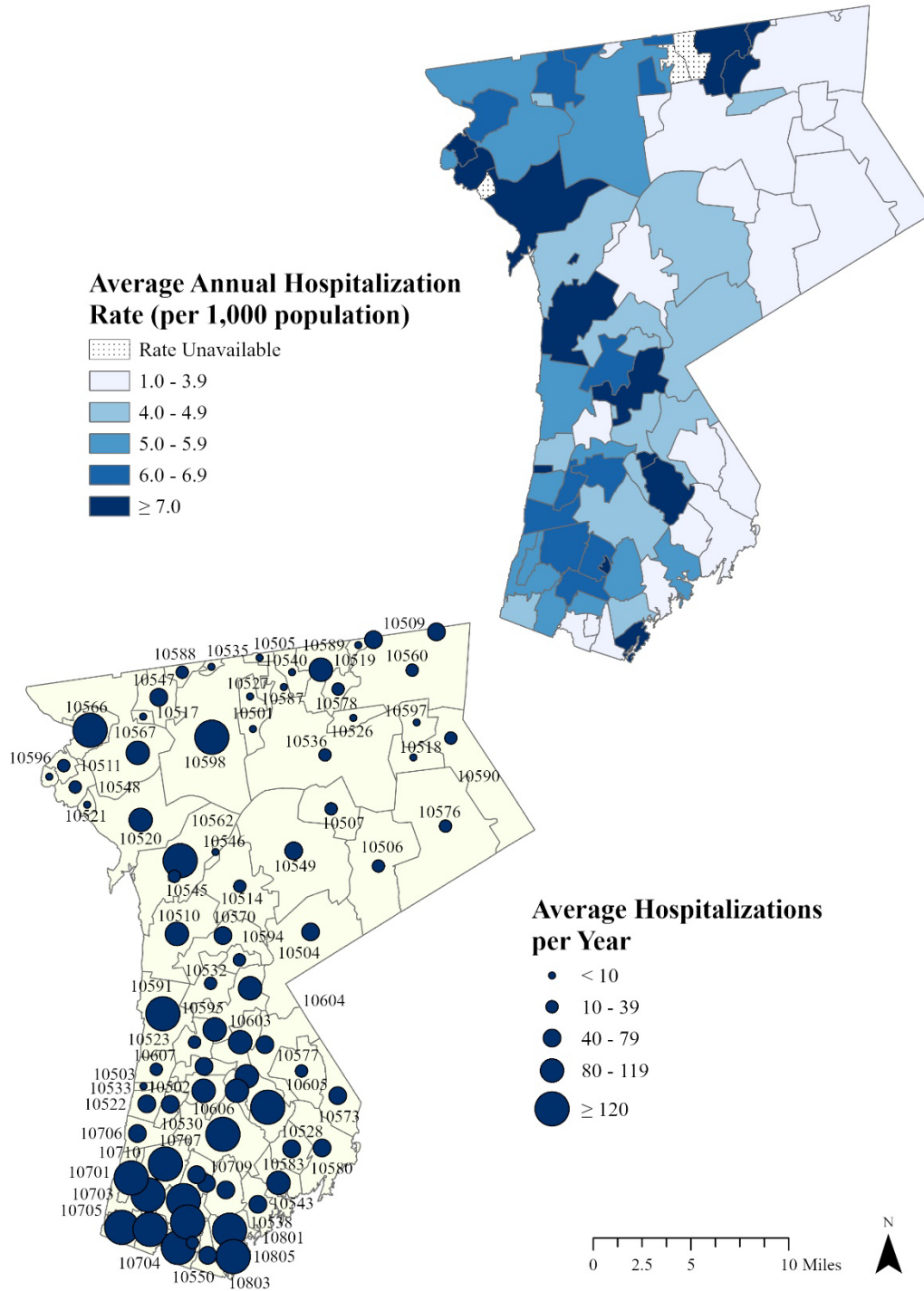


¹Claims with ethnicity reported as Unknown are not included in these visuals.

White patients comprised two-thirds of all hospitalizations involving a fall, observing an average hospitalization rate over twice that of Black patients, and over quadruple that of Asian and Hispanic patients.

Patient Demographics

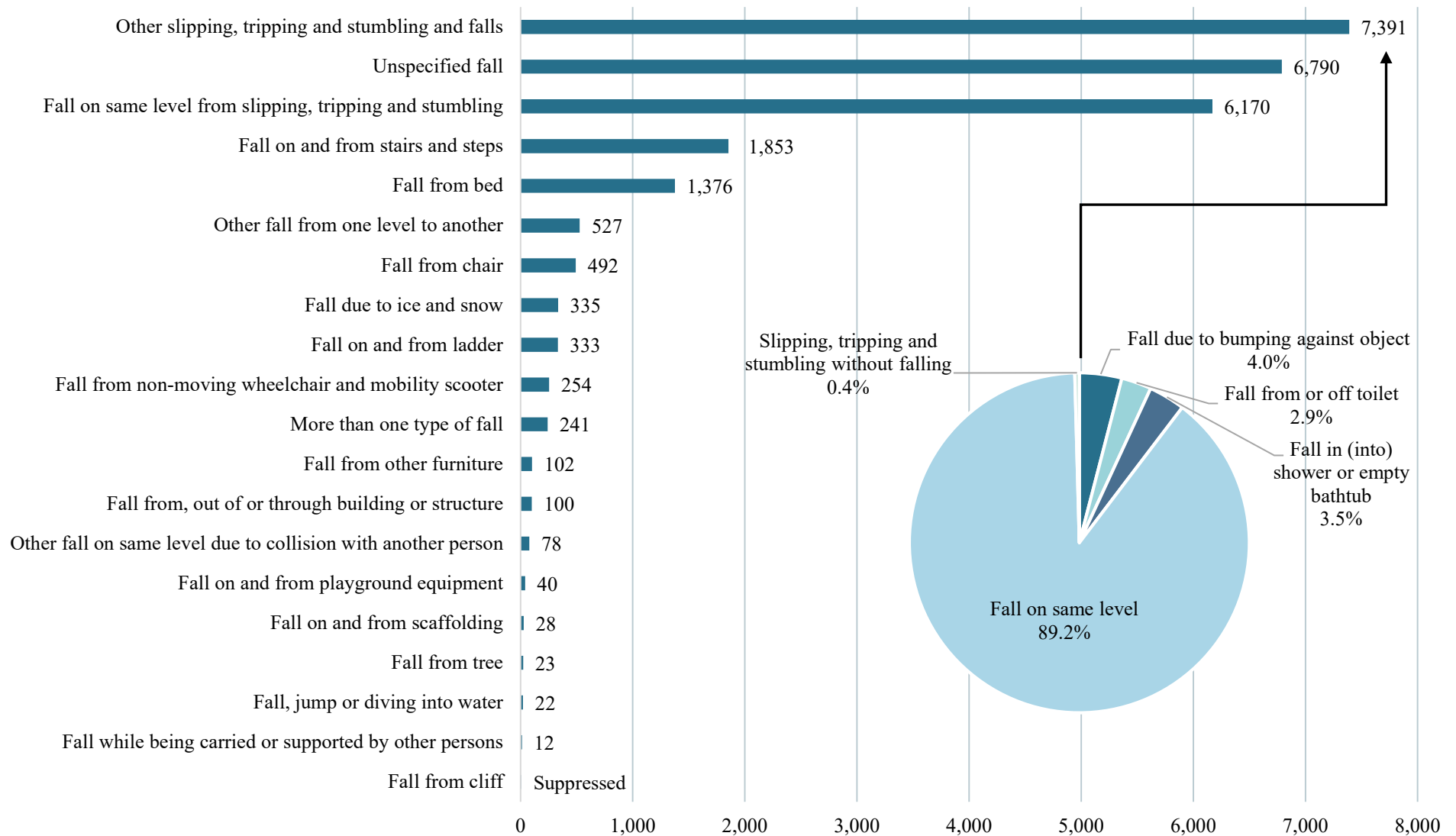
Hospitalizations involving falls and rate per 100,000 population by ZIP code, Westchester County, 2019 - 2023



On average, most hospitalizations involving a fall from 2019 to 2023 were among people residing in the southern and central regions of Westchester County. When accounting for population density, areas with high average annual hospitalization rates are distributed more evenly throughout the county.

Type of Falls

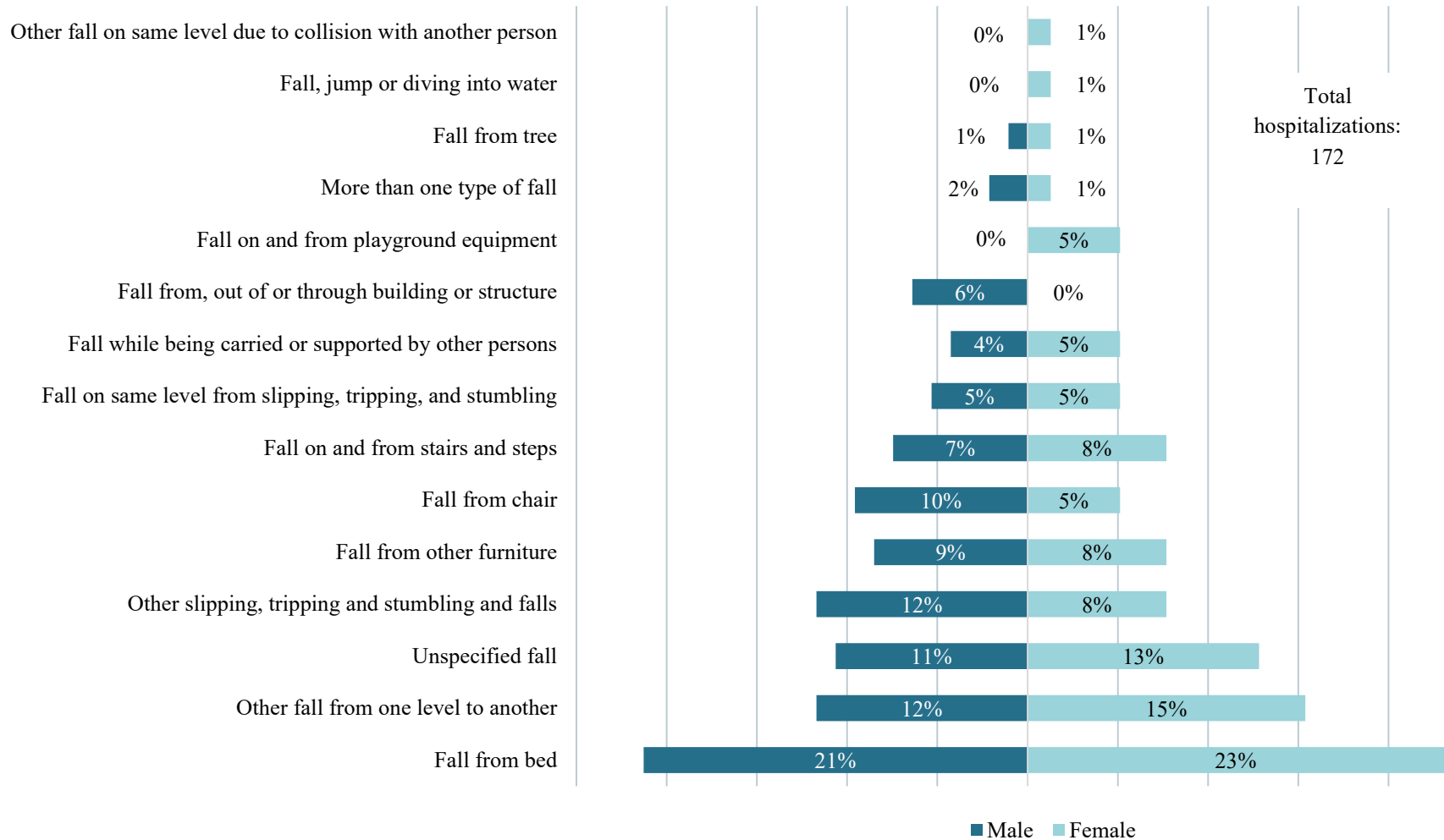
Hospitalizations involving falls by fall type,¹ Westchester County, 2019 - 2023



¹See Appendix A for ICD-10 codes corresponding to each fall type.

Type of Falls by Age Group and Sex

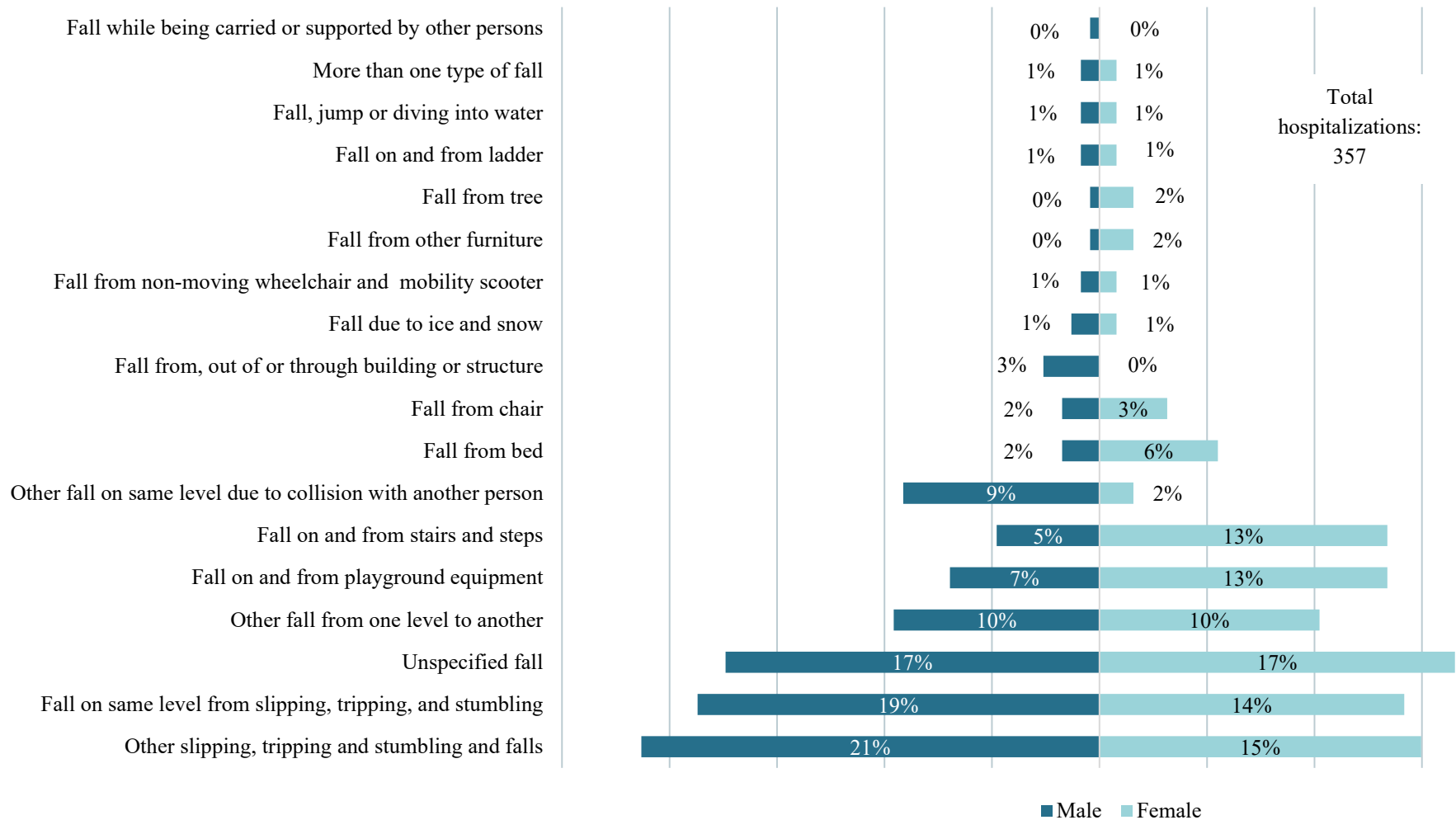
Hospitalizations involving falls by fall type¹ among children under 5 years, Westchester County, 2019 - 2023



¹See Appendix A for ICD-10 codes corresponding to each fall type.

Type of Falls by Age Group and Sex

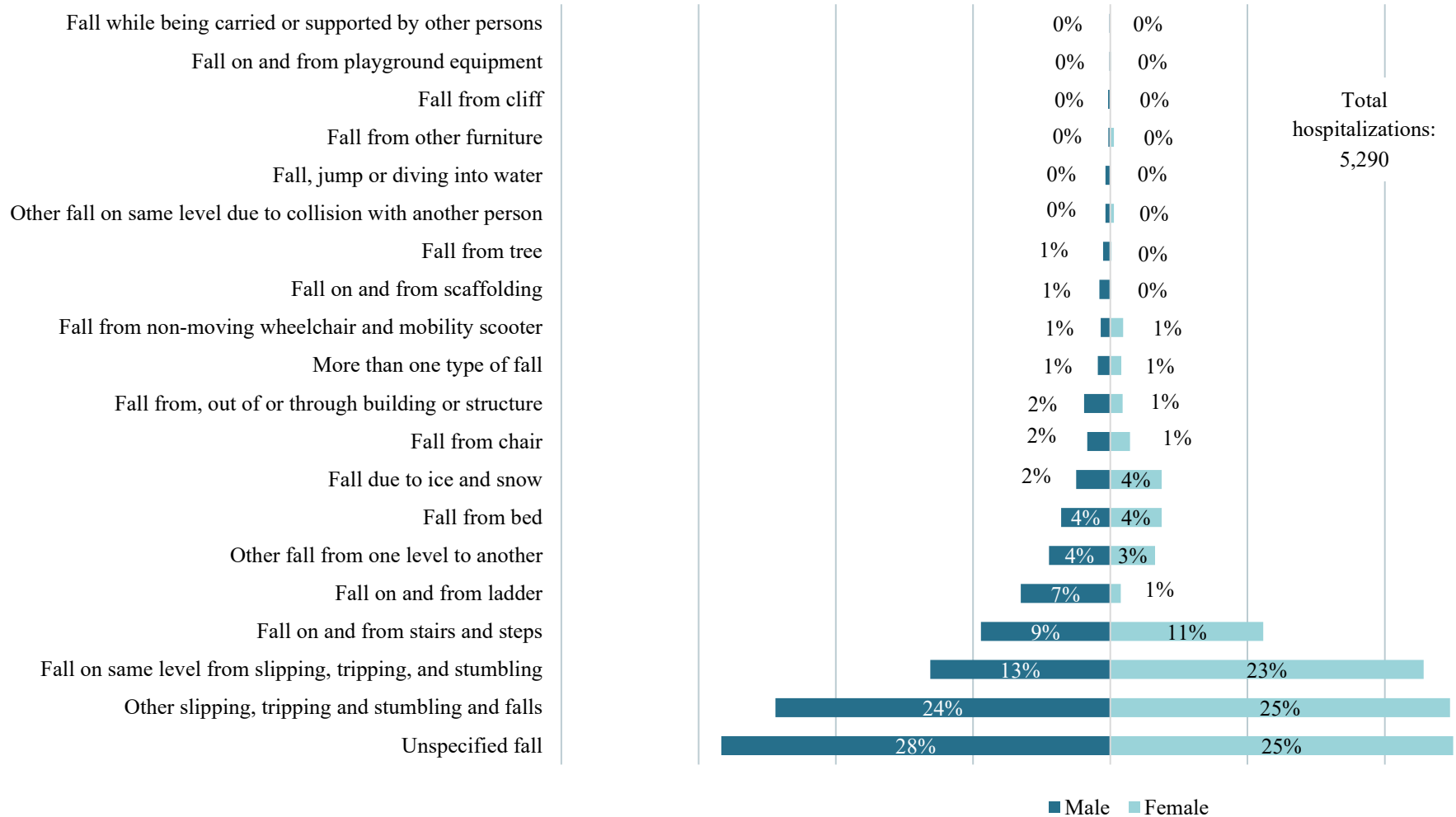
Hospitalizations involving falls by fall type¹ among children ages 5 to 17 years, Westchester County, 2019 - 2023



¹See Appendix A for ICD-10 codes corresponding to each fall type.

Type of Falls by Age Group and Sex

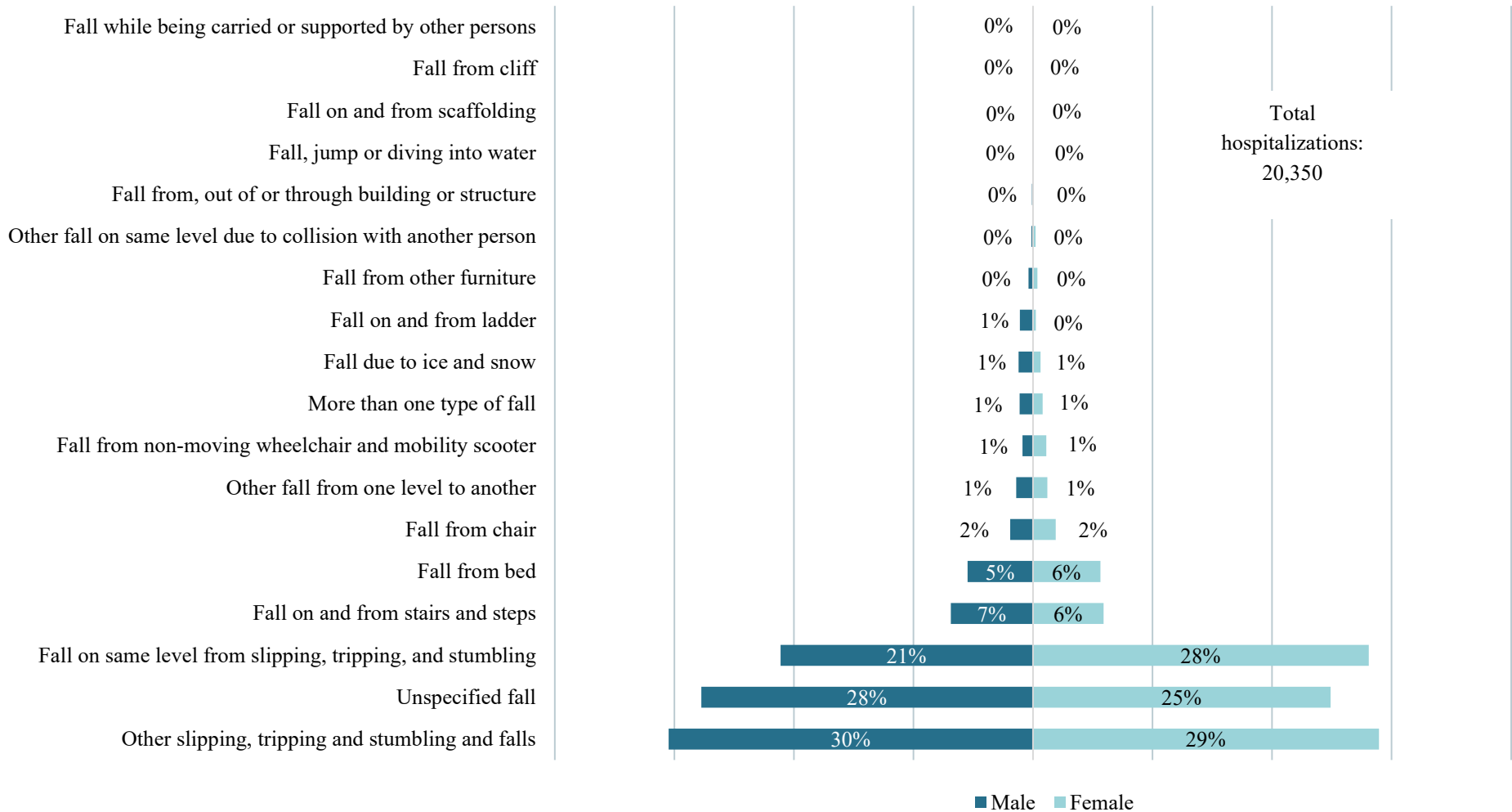
Hospitalizations involving falls by fall type¹ among adults ages 18 to 64 years, Westchester County, 2019 - 2023



¹See Appendix A for ICD-10 codes corresponding to each fall type.

Type of Falls by Age Group and Sex

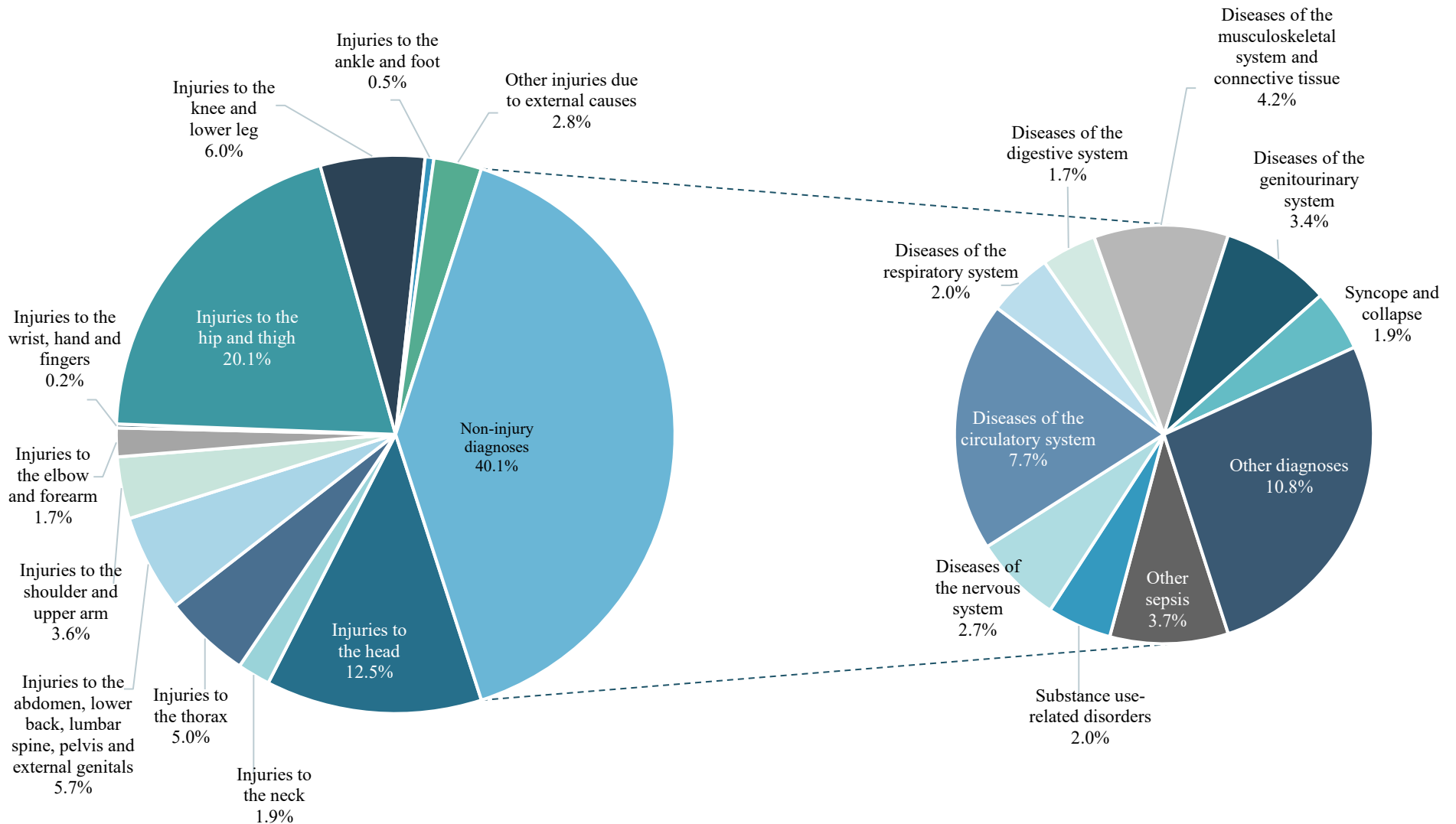
Hospitalizations involving falls by fall type¹ among adults ages 65 years and up, Westchester County, 2019 - 2023



¹See Appendix A for ICD-10 codes corresponding to each fall type.

Principal Diagnoses

Hospitalizations involving falls by principal diagnosis,^{1,2}
Westchester County, 2019 - 2023

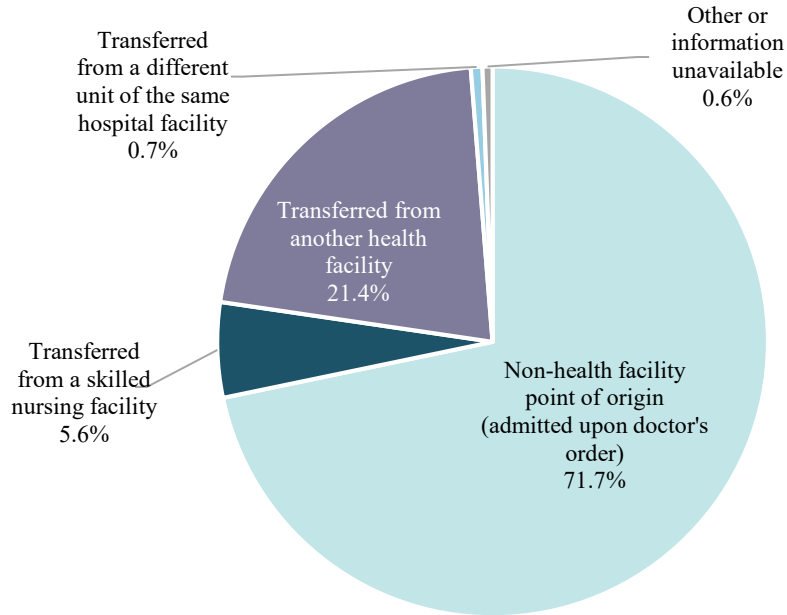


¹The principal diagnosis is the condition chiefly responsible for the hospitalization.

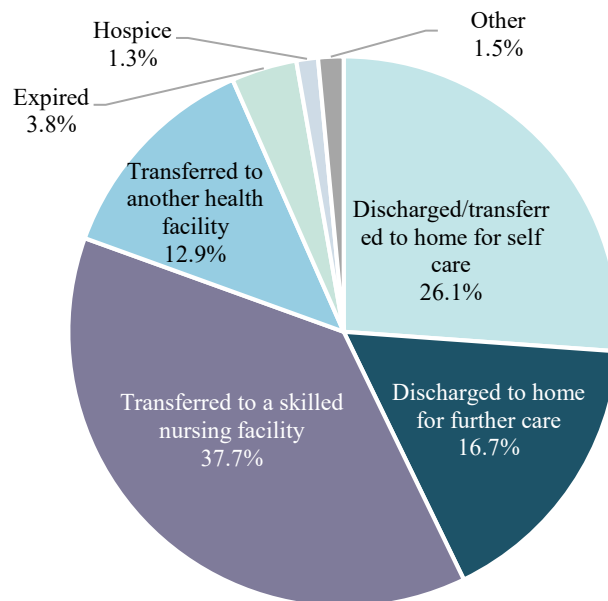
²See Appendix A for ICD-10 codes corresponding to each principal diagnosis.

Admission and Discharge Status

Hospitalizations involving falls by patient admission source, Westchester County, 2019 - 2023



Hospitalizations involving falls by patient discharge status, Westchester County, 2019 - 2023



Over 70% of hospitalization admissions were ordered by the patient's doctor. Upon discharge, approximately half of all patients were transferred to other health facilities to receive further care.

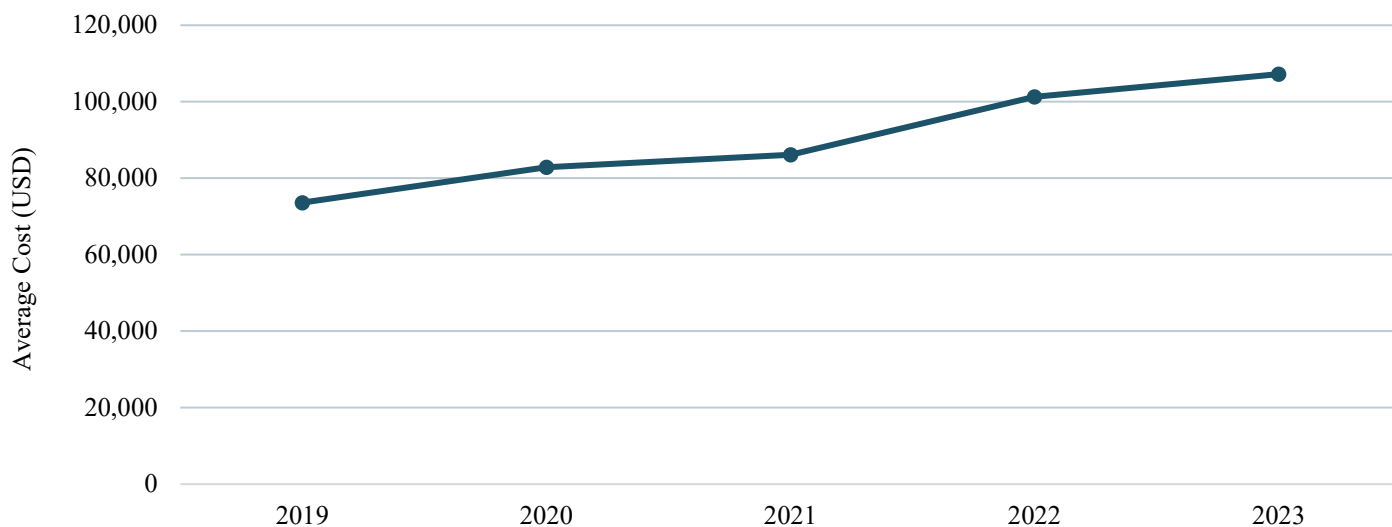
Hospital of Care

Hospitalizations involving falls by hospital of care, Westchester County, 2019 – 2023

Hospital of Care	2019	2020	2021	2022	2023	Total
<i>TOTAL</i>	5,386	4,828	5,166	5,325	5,468	26,173
WESTCHESTER COUNTY	4,562	4,128	4,474	4,563	4,748	22,475
Blythedale Children's Hospital	... ¹	... ¹	... ¹	... ¹	0	... ¹
Montefiore Mount Vernon Hospital	42	19	16	25	15	117
Montefiore New Rochelle Hospital	249	234	223	232	222	1,160
New York Presbyterian/Hudson Valley Hospital	425	411	410	389	415	2,050
New York Presbyterian/Lawrence Hospital	420	451	514	543	499	2,527
New York Presbyterian Westchester Behavioral Health Center	0	0	0	... ¹	16	22
Northwell Health - Northern Westchester Hospital	391	301	391	341	330	1,754
Northwell Health - Phelps Hospital	444	387	406	422	379	2,038
St. John's Riverside Hospital - Dobbs Ferry Pavilion	46	42	44	19	26	177
St. John's Riverside Hospital - Park Care Pavilion	32	19	17	19	17	104
St. John's Riverside Hospital - St. John's Division	430	345	395	333	317	1,820
St. Joseph's Medical Center - St. Vincent's Westchester Division	... ¹	... ¹	0	0	0	... ¹
St. Joseph's Medical Center	107	73	75	51	79	385
Westchester Medical Center	608	668	749	812	963	3,800
White Plains Hospital Center	921	861	976	1,023	1,076	4,857
Winifred Masterson Burke Rehabilitation Hospital	337	313	257	347	394	1,648
BRONX COUNTY	368	366	349	386	374	1,843
NEW YORK COUNTY	235	154	153	195	182	919
PUTNAM COUNTY	110	79	72	73	44	378
OTHER NEW YORK STATE COUNTIES	111	101	118	108	120	558

Claim Cost

Average cost per hospitalization involving a fall,
Westchester County, 2019 - 2023



The average cost per hospitalization claim involving a fall was over \$90,000, observing approximately a 10% average annual increase in cost from 2019 to 2023.

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 visit. This report references only hospital inpatient stays (hospitalizations) for residents of Westchester County from 2019 to 2023.

SPARCS data are 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 are routinely being updated. All data in this report reflect SPARCS in relation to Westchester County as of November 2024, when these data were received.

Maps

The distribution of hospitalizations involving falls by residential ZIP code are reported by both case count and case rate. To determine rates for these maps, as well as other data visuals throughout this report, population data was retrieved from the U.S. Census Bureau’s 2020 decennial census (Appendix B).

Rates could not be calculated due to complications in population reporting for three ZIP codes – 10521, 10540 and 10587. In order to maintain consistency in data reporting, hospitalizations of patients residing 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 hospitalization. Hospitalizations involving falls were determined for this report by a search of the ICD-10 codes listed for each claim. The principal diagnosis is the condition of the patient chiefly responsible for their hospitalization. This report includes all hospitalization claims with any diagnosis involving a fall. Codes of interest are listed in Appendix A.

Appendix

Appendix A. ICD-10 codes for hospitalizations involving falls

Category	ICD-10 Code	Description
Circumstances of the hospitalization (slipping, tripping, stumbling and falls)	W00	Fall due to ice and snow
	W01	Fall on same level from slipping, tripping and stumbling
	W03	Other fall on same level due to collision with another person
	W04	Fall while being carried or supported by other persons
	W05	Fall from non-moving wheelchair, nonmotorized scooter and motorized mobility scooter
	W06	Fall from bed
	W07	Fall from chair
	W08	Fall from other furniture
	W09	Fall on and from playground equipment
	W10	Fall on and from stairs and steps
	W11	Fall on and from ladder
	W12	Fall on and from scaffolding
	W13	Fall from, out of or through building or structure
	W14	Fall from tree
	W15	Fall from cliff
	W16	Fall, jump or diving into water
	W17	Other fall from one level to another
	W18	Other slipping, tripping and stumbling and falls
	W19	Unspecified fall
Nature of the hospitalization (principal diagnosis)	S00-S09	Injuries to the head
	S10-S19	Injuries to the neck
	S20-S29	Injuries to the thorax
	S30-S39	Injuries to the abdomen, lower back, lumbar spine, pelvis and external genitals
	S40-S49	Injuries to the shoulder and upper arm
	S50-S59	Injuries to the elbow and forearm
	S60-S69	Injuries to the wrist, hand and fingers
	S70-S79	Injuries to the hip and thigh
	S80-S89	Injuries to the knee and lower leg
	S90-S99	Injuries to the ankle and foot
	T07-T88	Other injuries due to external causes
	A41	Other sepsis
	F10-F19	Substance use-related disorders
	G00-G99	Diseases of the nervous system
	I00-I99	Diseases of the circulatory system
	J00-J99	Diseases of the respiratory system
	K00-K95	Diseases of the digestive system
	M00-M99	Diseases of the musculoskeletal system and connective tissue
	N00-N99	Diseases of the genitourinary system
	R55	Syncope and collapse
	Other diagnoses	

Appendix

Appendix B. Westchester County population, 2020

	Population	Percent (%)
Total	1,004,457	100.0
Sex		
Female	523,947	52.2
Male	480,510	47.8
Age Group (years)		
Under 5 years	52,158	5.2
5 to 9 years	60,408	6.0
10 to 14 years	66,394	6.6
15 to 19 years	68,751	6.8
20 to 24 years	60,371	6.0
25 to 29 years	55,633	5.5
30 to 34 years	58,478	5.8
35 to 39 years	63,688	6.3
40 to 44 years	66,408	6.6
45 to 49 years	66,966	6.7
50 to 54 years	72,343	7.2
55 to 59 years	72,037	7.2
60 to 64 years	65,593	6.5
65 to 69 years	52,529	5.2
70 to 74 years	43,400	4.3
75 to 79 years	30,639	3.1
80 to 84 years	21,551	2.1
85 years and over	27,110	2.7
Race and Ethnicity		
Hispanic or Latino	269,334	26.8
Not Hispanic or Latino	735,123	73.2
American Indian or Alaska Native	1,017	0.1
Asian	64,907	6.5
Black or African American	131,010	13.0
Native Hawaiian or Pacific Islander	150	0.0
White	497,684	49.5
Biracial or Multiracial	31,704	3.2
Other	8,651	0.9