

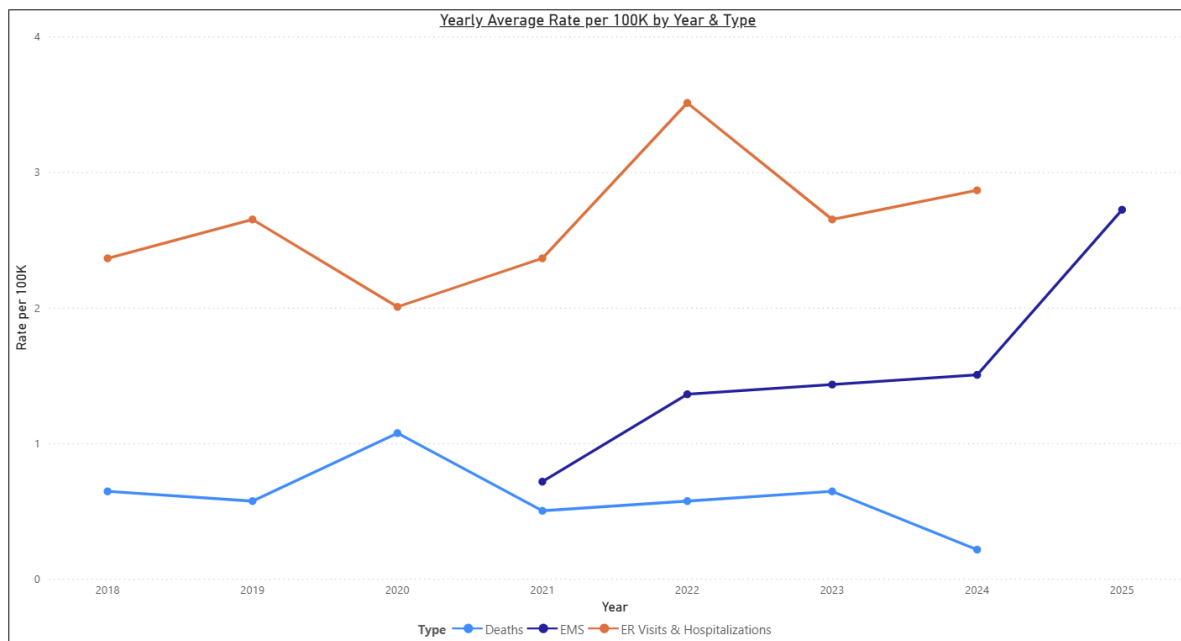
Drownings Nassau County NY, 2018-2025

From 2018-2024 there were a total of 59 deaths, 257 combined ER visits and hospitalizations and 108 EMS responses (2021-2025) due to drowning.

EMS responses have been increased each year since 2021 peaking at 38 in 2025. Deaths peaked in 2020 at 15 and have since decreased to 9 in 2023 and 3 in 2024. Combined ER visits and hospitalizations peaked at 49 in 2022 and have since decreased to 40 in 2024.

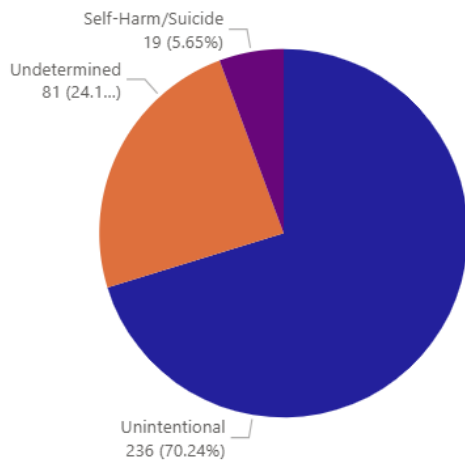
**Please note: NYC mortality data for the years 2024 and 2025 are not included in this report due to data being provisional and not shared. As a result, Nassau County residents who died in NYC are not included for these two years; therefore, data is subject to change in updated reports.*

Type Year	Deaths		EMS		ER Visits & Hospitalizations		Total	
▼	Count	Rate per 100K	Count	Rate per 100K	Count	Rate per 100K	Count	Rate per 100K
2025			38	2.72			38	2.72
2024	3	0.21	21	1.50	40	2.87	64	4.59
2023	9	0.64	20	1.43	37	2.65	66	4.73
2022	8	0.57	19	1.36	49	3.51	76	5.45
2021	7	0.50	10	0.72	33	2.36	50	3.58
2020	15	1.07			28	2.01	43	3.08
2019	8	0.57			37	2.65	45	3.22
2018	9	0.64			33	2.36	42	3.01
Total	59	4.23	108	7.74	257	18.41	424	30.38



Intent

Intent	Count	Percent
Self-Harm/Suicide	19	5.65%
Undetermined	81	24.11%
Unintentional	236	70.24%
Total	336	100.00%



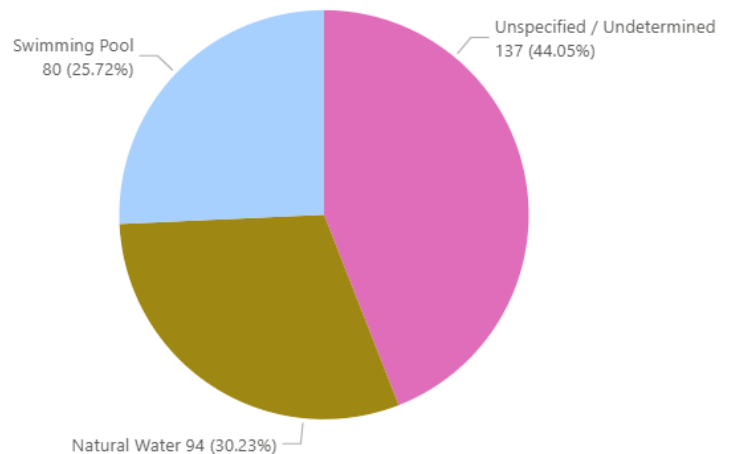
Most combined deaths, ER visits & hospitalizations were classified as unspecified/undetermined (137, 43%), followed by natural water (94, 30%), swimming pool (80, 25%), then bathtub (less than 11). Data is from 2018-2024.

Most drownings (combined deaths, ER visits & hospitalizations) were deemed to be unintentional (236, 70%) or undetermined (81, 24%), making up 94% of the observations combined. While self-harm/suicide accounted for 19 observations (5%), and less than 11 assault/homicides (less than 1%).

***Since most observations were unintentional / undetermined the remainder of the report will focus on only these classifications (excluding homicide/assault and suicide/self-harm). ***

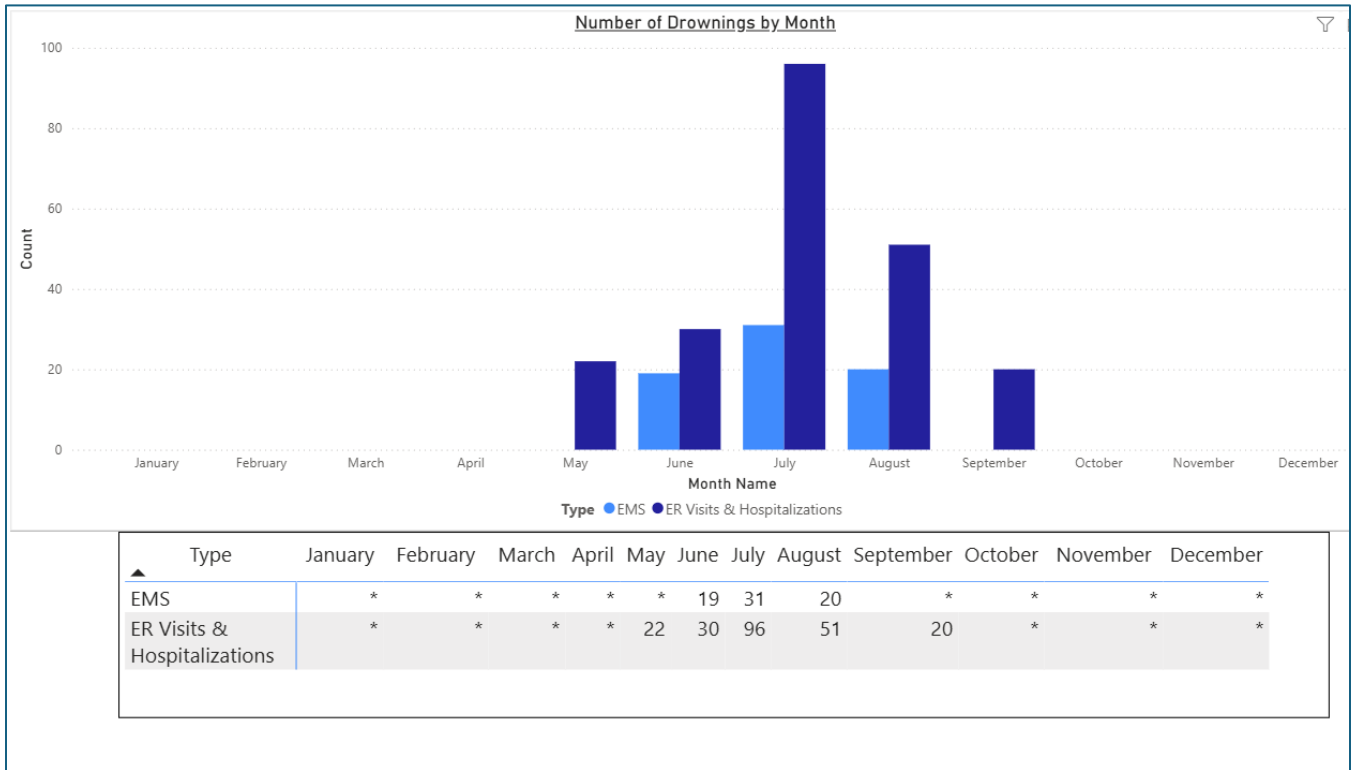
Drowning Description

Description	Count	Percent
Natural Water	94	30.23%
Swimming Pool	80	25.72%
Unspecified / Undetermined	137	44.05%



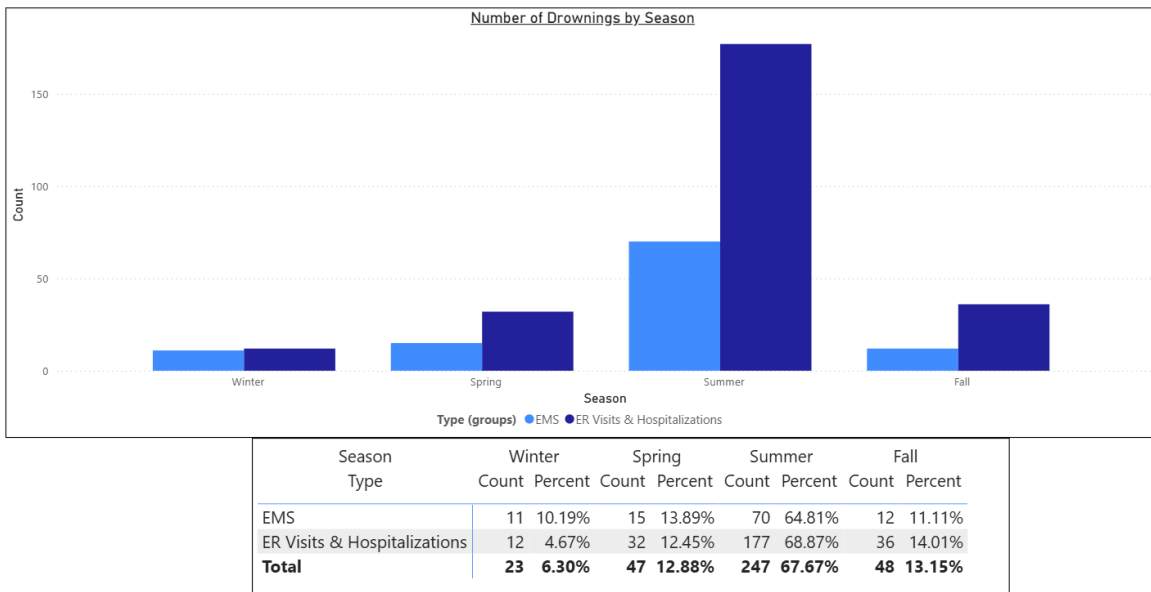
By Month

Most drownings occurred in July with 31 EMS responses (2021-2025), and 96 combined ER visits and hospitalizations (2018-2024).



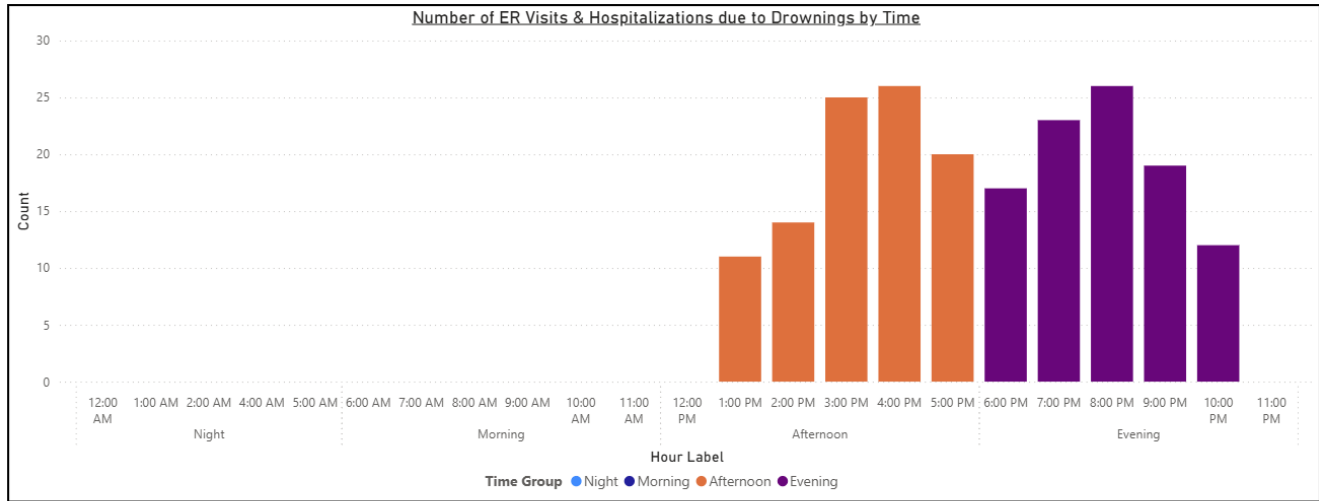
Season

Most drownings occurred in the summer. With 70 EMS responses (65%, 2021-2025), and 177 combined ER visits and hospitalizations (69%, 2018-2024).

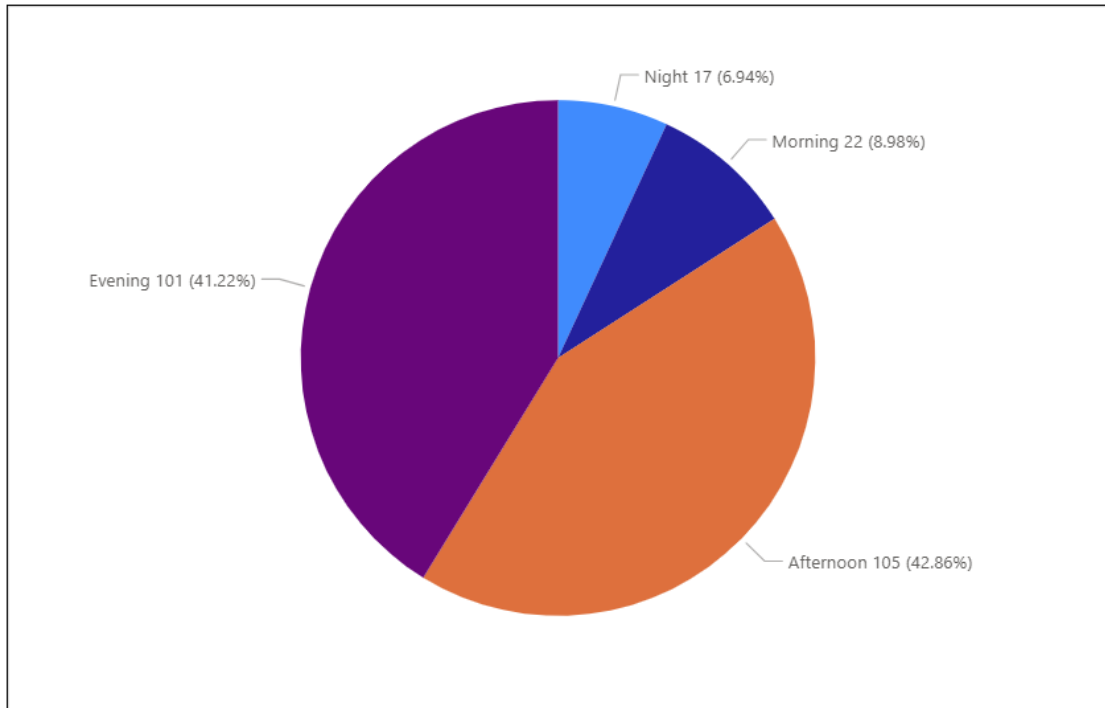


Time of Day

Most drownings occurred from 1pm to 10pm. The afternoon (12pm-4pm) and evening (5pm-11pm) accounted for about 85% of all drowning related ER visits & hospitalizations (2018-2024).

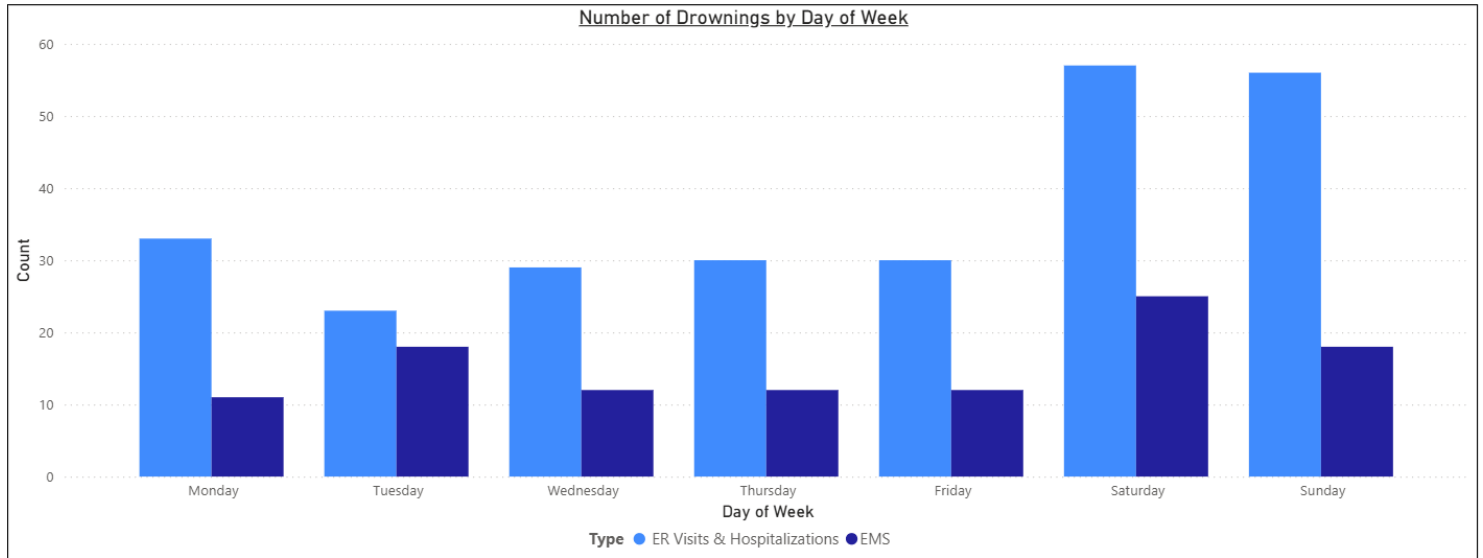


Time Group	Night					Morning					Afternoon					Evening							
Type	12:00 AM	1:00 AM	2:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
ER Visits & Hospitalizations	*	*	*	*	*	*	*	*	*	*	*	*	11	14	25	26	20	17	23	26	19	12	*



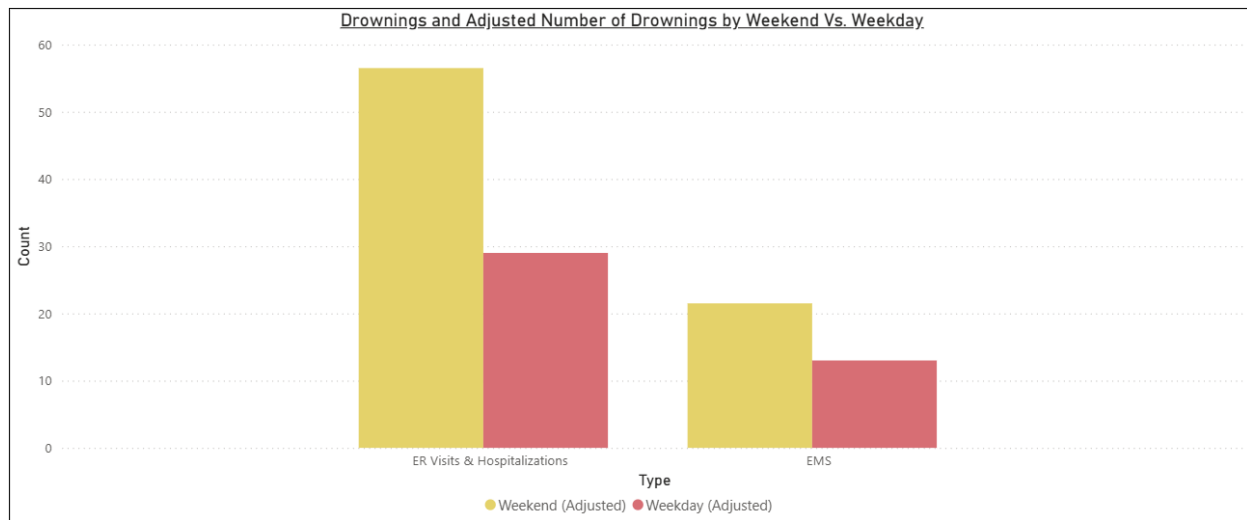
Day of Week

Most drownings occurred on Saturdays and Sundays. With 82 combined EMS (2021-2025), ER visits and hospitalizations (2018-2024) on Saturdays and 74 on Sundays. The weekends accounted for 78 daily adjusted drownings compared to 42 during the weekday.



Type (groups)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
ER Visits & Hospitalizations	33	23	29	30	30	57	56
EMS	11	18	12	12	12	25	18
Total	44	41	41	42	42	82	74

Weekend vs. Weekday

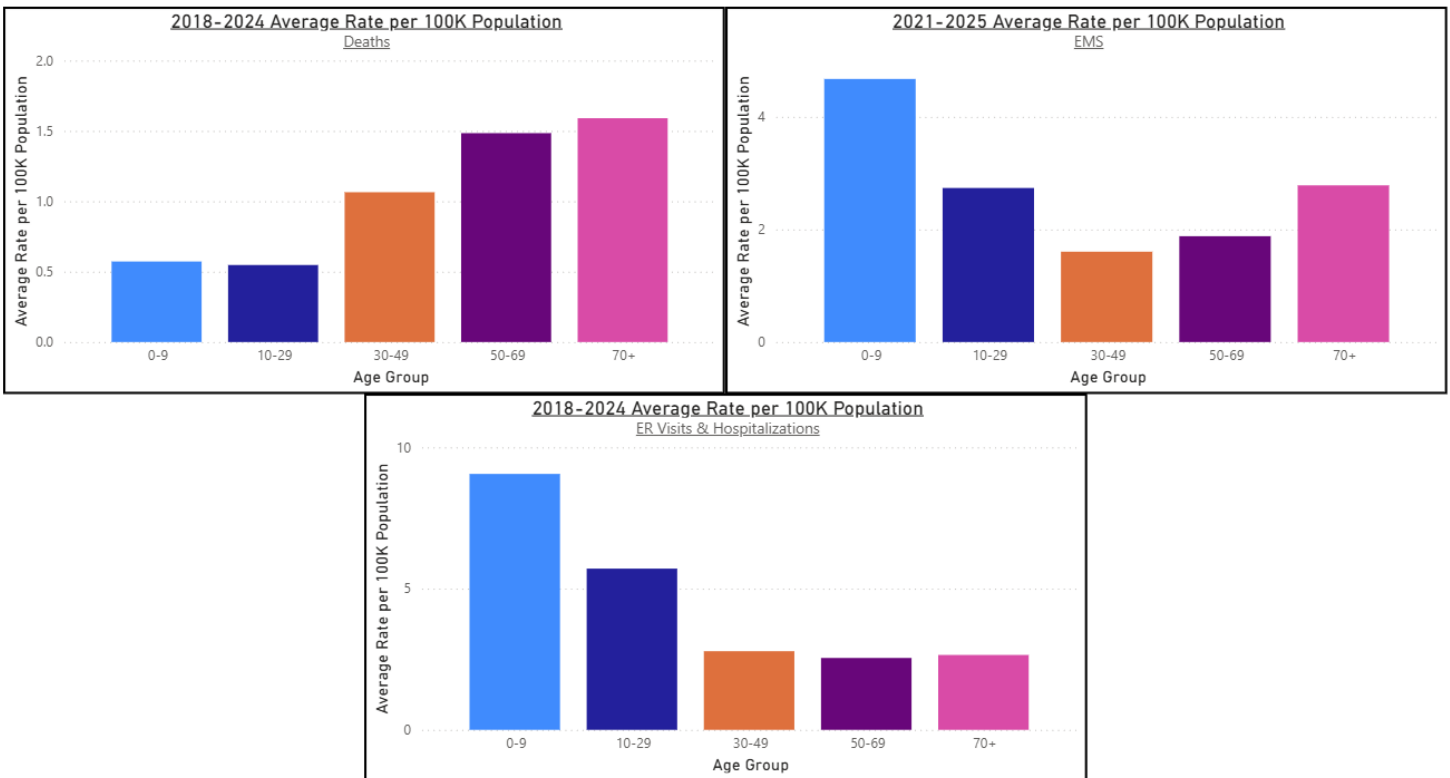


Type	Weekday (Adjusted)	Weekday Total	Weekend (Adjusted)	Weekend Total
ER Visits & Hospitalizations	29.0	145	56.5	113
EMS	13.0	65	21.5	43
Total	42.0	210	78.0	156

Age Group

Age group 0-9 years had the highest EMS response (35, 4.67 per 100,000) and combined ER visit & hospitalization (95, 9.06 per 100,000). While mortality rates increased with age, they were highest in the 70+ age group (12 deaths, 1.59 per 100,000). Mortality, ER and hospitalization visits include 2018-2024 and EMS responses include 2021-2025.

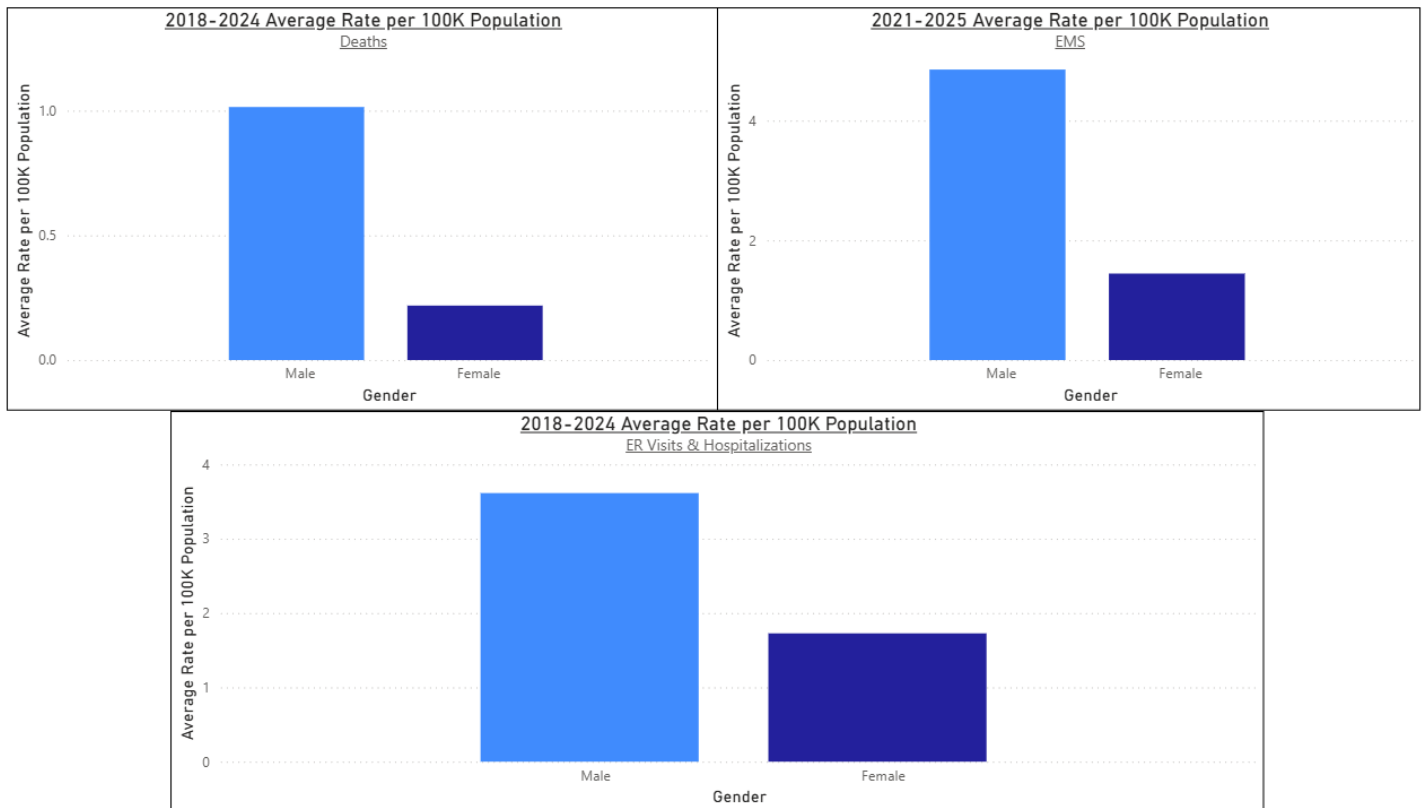
Type Age Group	Deaths		EMS		ER Visits & Hospitalizations	
	Count	Rate per 100K	Count	Rate per 100K	Count	Rate per 100K
0-9	6	0.57	35	4.67	95	9.06
10-29	7	0.55	25	2.74	73	5.71
30-49	13	1.06	14	1.60	34	2.78
50-69	21	1.48	19	1.88	36	2.54
70+	12	1.59	15	2.78	20	2.65



Gender

Males had the highest mortality rates (48, 1.01 per 100,000, 2018-2024), EMS response rate (164, 4.85 per 100,000, 2021-2025), and combined ER visits and hospitalization rates (171, 3.61 per 100,000, 2018-2024).

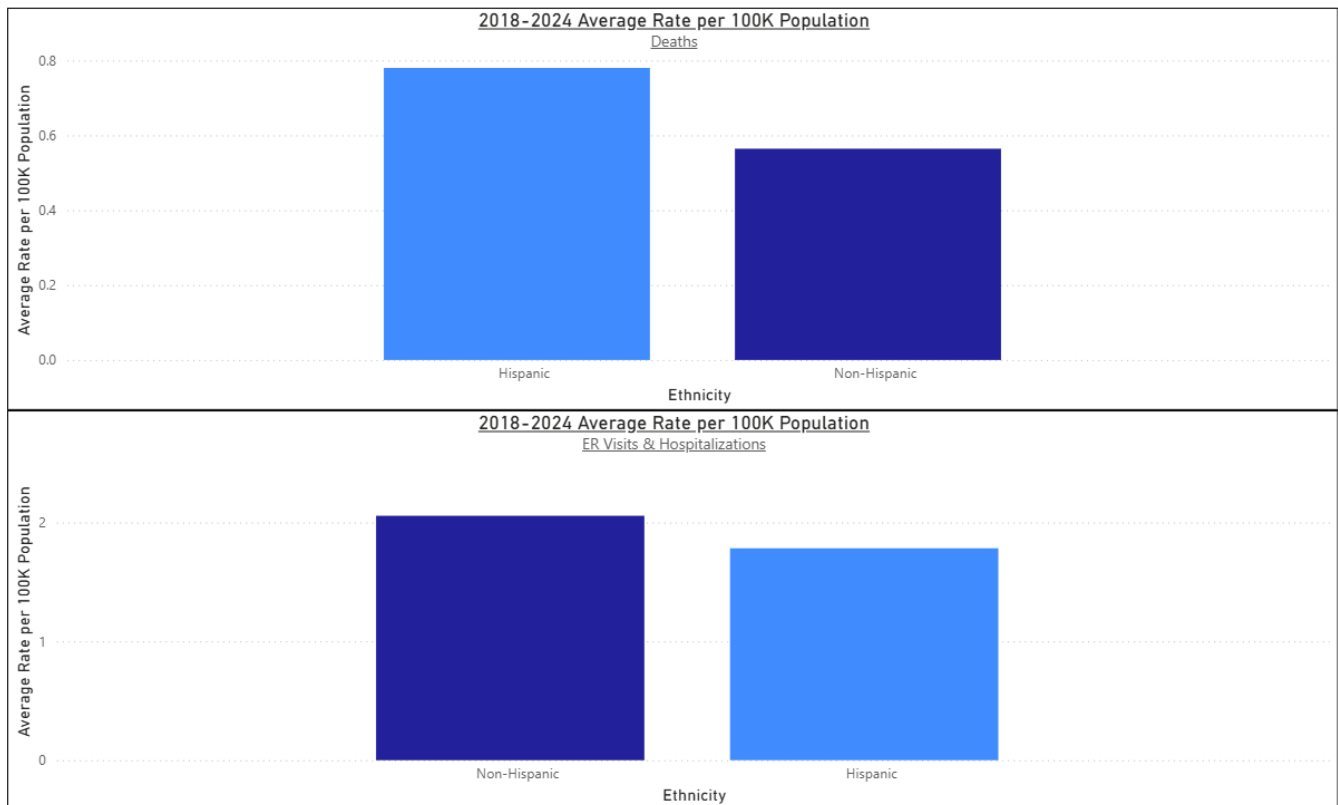
Type Gender	Deaths		EMS		ER Visits & Hospitalizations	
	Count	Rate per 100K	Count	Rate per 100K	Count	Rate per 100K
Male	48	1.01	164	4.85	171	3.61
Female	11	0.22	52	1.44	87	1.73



Ethnicity

Hispanics had a higher mortality rate (14 deaths, 0.78 per 100,000, 2018-2024), while non-Hispanics had a higher combined ER visit & hospitalization rate (164, 2.06 per 100,000 for 2018-2024).

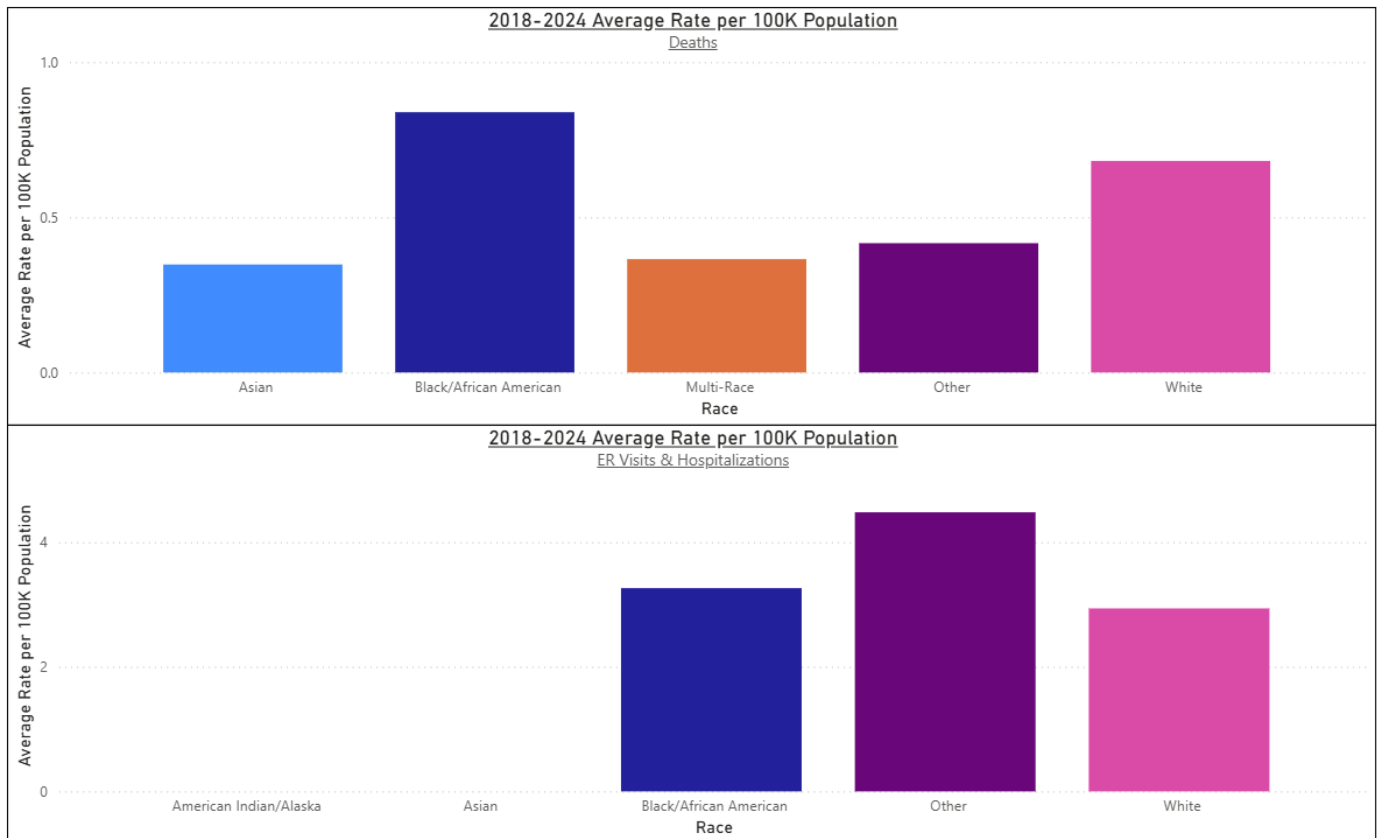
Type Ethnicity	Deaths		ER Visits & Hospitalizations		Total	
	Count	Rate per 100K	Count	Rate per 100K	Count	Rate per 100K
Non-Hispanic	45	0.56	164	2.06	209	2.62
Hispanic	14	0.78	32	1.78	46	2.56
Unknown			62		62	



Race

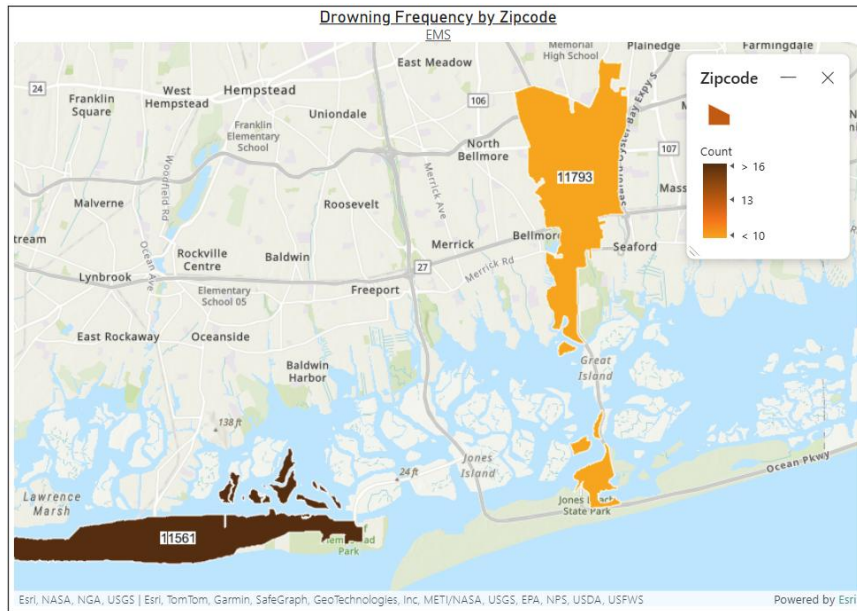
Black/African Americans had the highest mortality rate (9 deaths, 0.84 per 100,000). Other race has the highest combined ER visit and hospitalization rate (43, 4.48 per 100,000), followed by American Indian/Alaska native, then White race. Mortality, ER and hospitalization visits include 2018-2024 and EMS responses include 2021-2025.

Type Race	Deaths		ER Visits & Hospitalizations		Total	
	Count	Rate per 100K	Count	Rate per 100K	Count	Rate per 100K
American Indian/Alaska			*	*	*	*
Asian	4	0.35	*	*	14	1.22
Black/African American	9	0.84	35	3.26	44	4.10
Multi-Race	3	0.37			3	0.37
Other	4	0.42	43	4.48	47	4.90
White	39	0.68	168	2.94	207	3.62



Location (EMS)

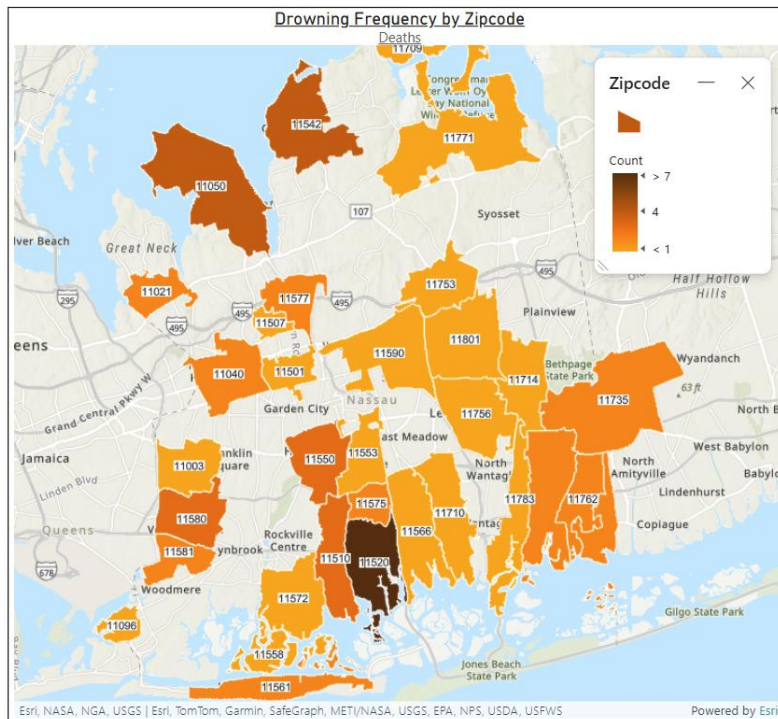
Most EMS responses occurred in Long Beach - 11561 (16 responses, 40.89 per 100,000 population) and Wantagh - 11793 (10 responses, 31.13 per 100,000 population).



Zipcode	Community	Count	Rate per 100K
11561	Long Beach	16	40.89
11793	Wantagh	10	31.13

Location (Deaths)

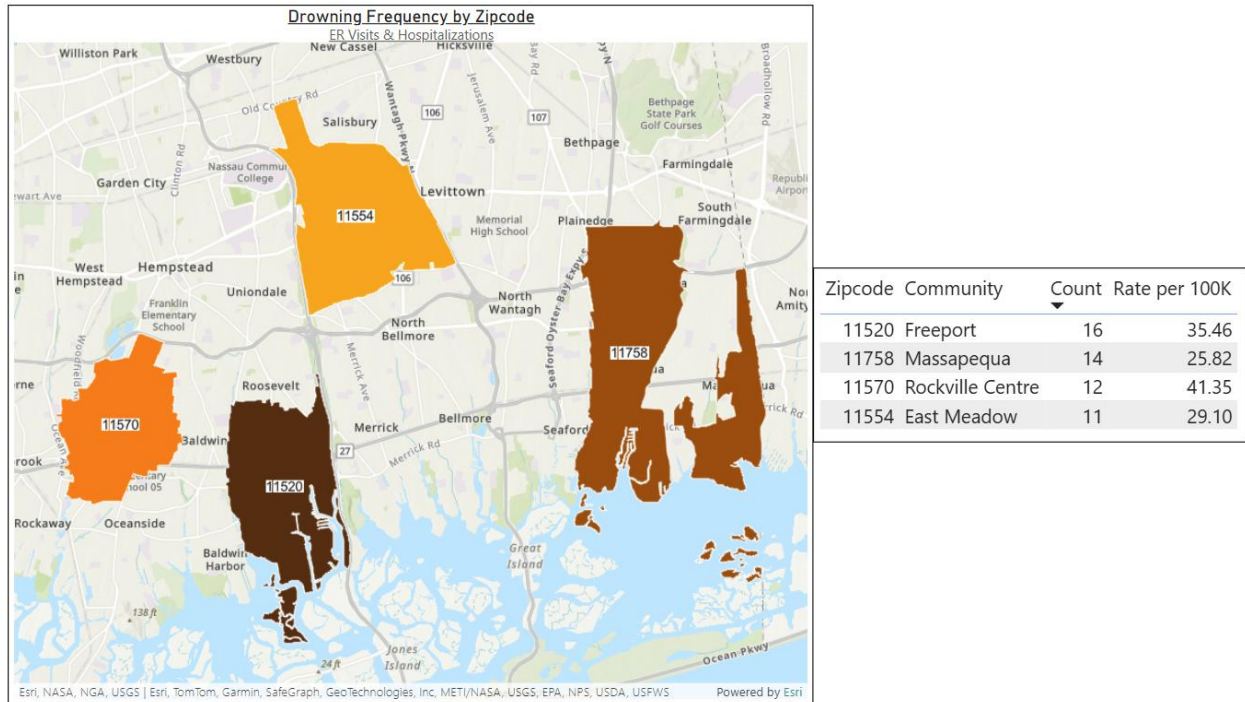
Most deaths occurred to residents of Freeport - 11520 (7 deaths, 15.5 per 100,000). While the highest rate was amongst residents of Roslyn Heights - 11577 (2 deaths, 15.75 per 100,000 population).



Top 10 (by Rate)			
Zipcode	Community	Deaths	Rate per 100K
11577	Roslyn Heights	2	15.75
11520	Freeport	7	15.51
11709	Bayville	1	14.82
11542	Glen Cove	4	13.71
11507	Albertson	1	13.42
11050	Port Washington	4	12.69
11558	Island Park	1	11.17
11575	Roosevelt	2	11.08
11096	Inwood	1	10.37
11021	Great Neck	2	10.32

Location (ER Visits & Hospitalizations)

Most ER visits and hospitalizations occurred to residents of Freeport – 11520 (16, 35.46 per 100,000). While the highest rate, with a count greater than 10, was amongst residents of Rockville Centre - 11570 (12, 41.35 per 100,000).



Sources

1. NYS SPARCS, Nassau County residents, 2018-2024
2. NYS Vital Statistics, Nassau County residents, 2018-2024
3. NYC Vital Statistics, Nassau County residents, 2018-2023
4. Biospatial EMS, 2021-2025
5. 2020 Census for Populations for calculated rates per 100,000 population

Disclaimers

NYS Vital Records

The raw Vital Records data used to produce this publication and/or public-facing artifact was purchased from or provided by the New York State Department of Health (NYSDOH) or the Bureau of Vital Records (BVR). However, the calculations, metrics, conclusions derived, and views expressed herein are those of the author(s) and do not reflect the work, conclusions, or views of NYSDOH or BVR. Neither NYSDOH nor BVR, its employees, officers, and/or agents make any representation, warranty or guarantee as to the accuracy, completeness, currency or suitability of the information provided here.

Death data related to vital events that occurred in NYC to Nassau County residents are from the NYC Department of Health & Mental Hygiene's Bureau of Vital Statistics.

NYS SPARCS

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Biospatial EMS

The views and opinions expressed in this article are those of the author(s) and do not necessarily reflect the official policy or position of the New York State Department of Health. Examples of analysis performed within this article are only examples. They should not be utilized in real-world analytic products.

Suppression Criteria

*Indicates data is suppressed

Hospitalizations and ER visits suppressed if less than 11

EMS responses suppressed if less than 10

Deaths suppressed if Population is less than 30 in the denominator

Rates calculated using small numbers may be statistically unstable

