

Drownings: ER Visits, Inpatient Hospitalizations and Deaths

Nassau County Residents NY, 2018-2022

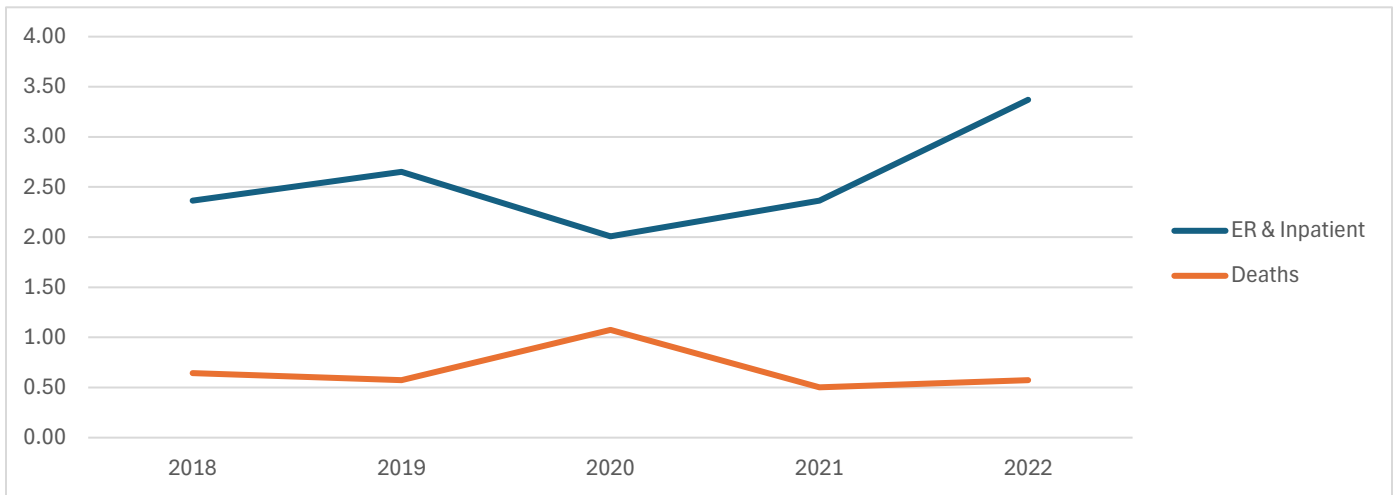
*Since 95% of all drownings were undetermined or unintentional, the report will only focus on these characterizations

**All rates are per 100,000 population, based on 2020 census

***Data Includes Deaths to Nassau Residents occurring in NYC for 2018-2021

Year

- 5-year average:
 - ER & Inpatient rate: 2.55
 - Mortality rate: 0.67
- ER & Hospitalization rate increased 42% from 2021 to 2022.
 - Increasing, overall, 42% from 2018 to 2022
- Mortality rates temporarily peaked in 2020, almost doubling (87% increase) from 2019 rates.
 - Decreasing, overall, by 12% from 2018 to 2022

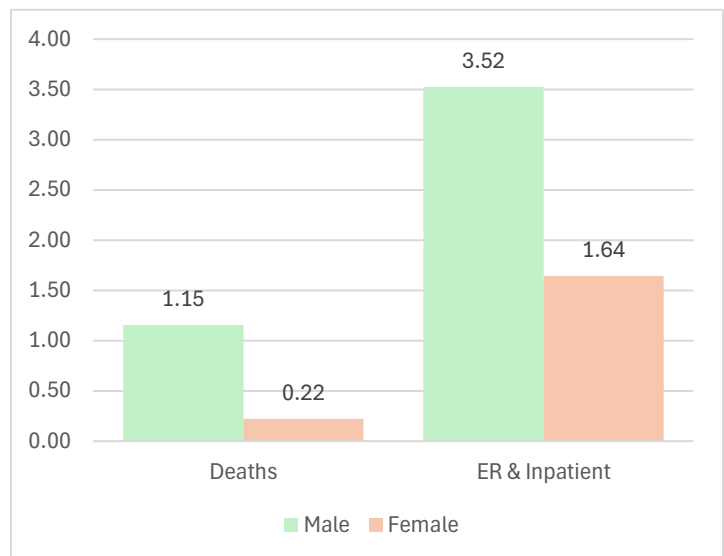


Description

- ER & Inpatient
 - The reason for most drownings was unspecified (47%)
 - Watercraft related was the second leading reason (25%)
 - Swimming pool related was the third leading reason (22%)
- Deaths
 - Natural water was the number one reason (36%)
 - Swimming pools was the second highest reason (28%)

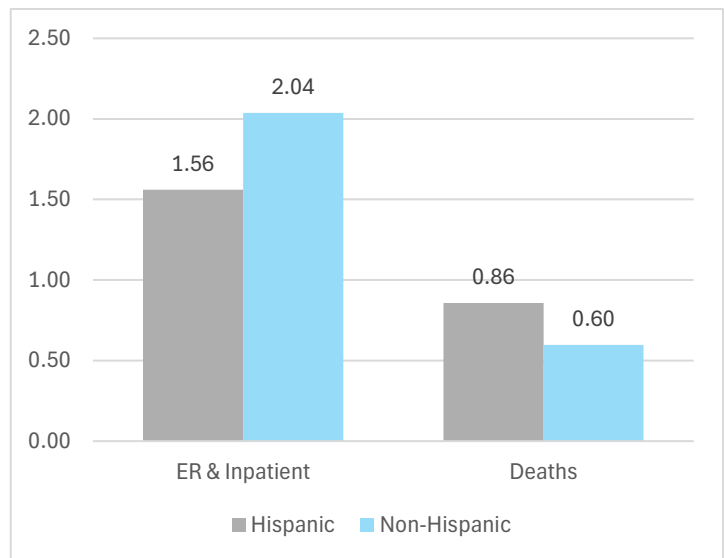
Gender

- Males compared to Females:
 - Two times higher ER & Inpatient rate
 - Five times higher mortality rate



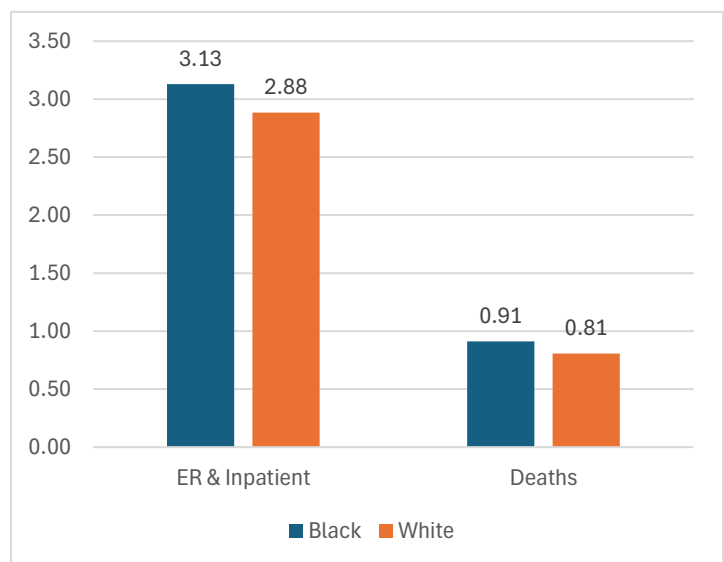
Ethnicity

- Hispanics compared to non-Hispanics:
 - 76% lower ER & Inpatient rate
 - 43% higher mortality rate



Race

- Black residents compared to white residents:
 - 8% higher ER & Inpatient rate
 - 13% higher mortality rate
- Asian population had lowest rate in both categories, not shown.

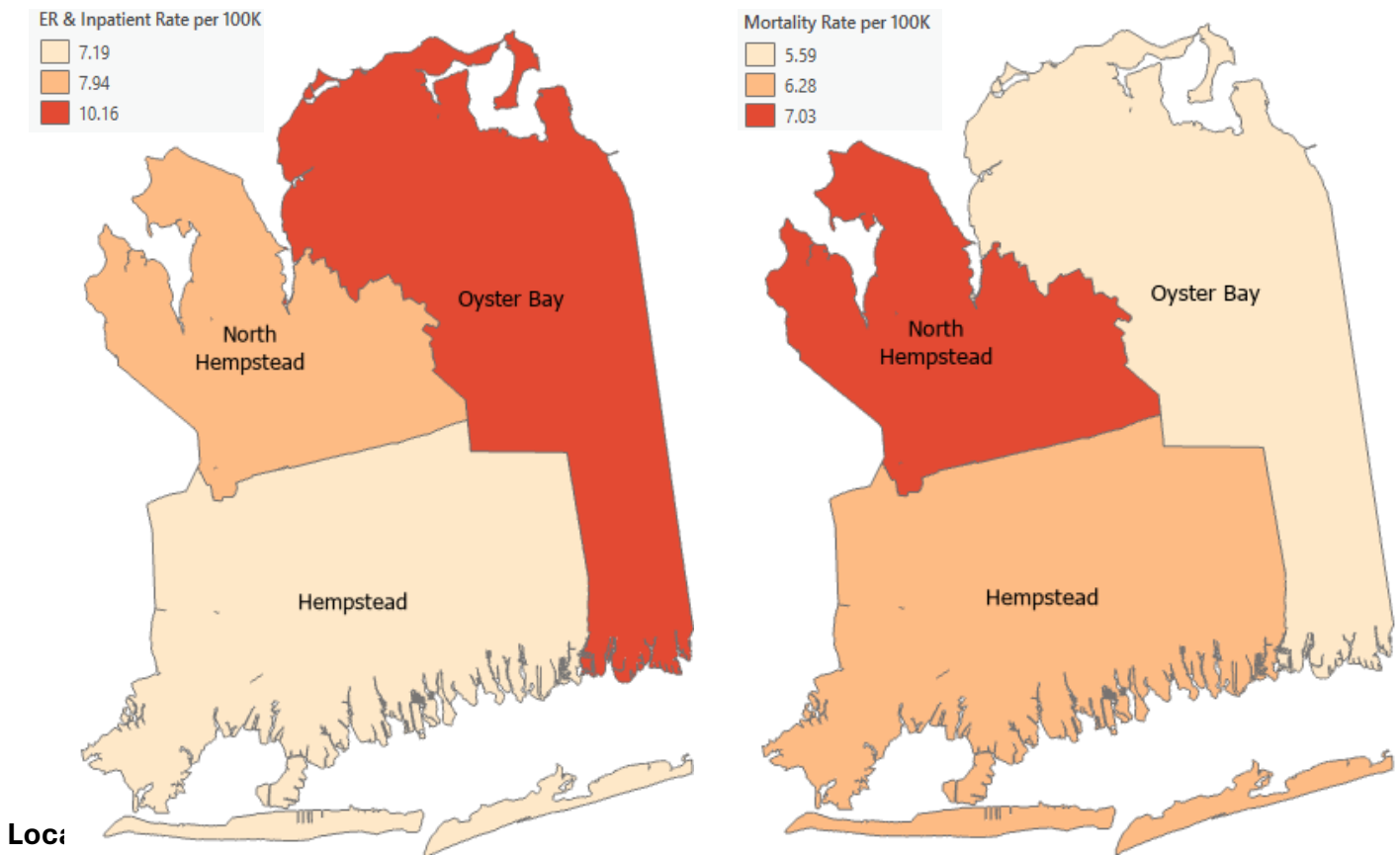


Age Group

- ER & Inpatient:
 - Average age: 27 years old
 - 1- to 4-year-olds have highest rate
 - Six times higher the total rate for all age groups
 - 5- to 14-year-olds and 15- to 24-year-olds also had elevated rate
 - 28% and 19% higher, respectively, than the total rate for all age groups
- Deaths:
 - Average age: 48 years old
 - 45 to 54 age group had highest mortality rate (1.07)
 - 60% higher than the total rate for all ages
 - 65+ Population had the most deaths and an elevated rate (0.93)
 - 39% higher than the total rate
 - 1- to 4-year-olds had the highest rate (0.71) of anyone under the age of 45
 - *This rate was calculated with a small frequency and may be unstable*
 - 6% higher than the total rate
 - Unintentional/Undetermined drowning is one of the top leading causes of all deaths for this age group.

Town/City of Residence

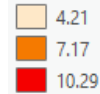
*For the purposed of this map, Oyster Bay includes City of Glen Cove and Hempstead includes City of Long Beach



ER & Inpatient Rate per 100K



Mortality Rate per 100K



References:

1. NYS SPARCS, Nassau County residents, 2018-2022
2. NYS Vital Statistics, Nassau County residents, 2018-2022
3. NYC Vital Statistics, Nassau County residents, 2018-2021

This publication was produced from raw data purchased from or provided by the New York State Department of Health (NYSDOH). However, the calculations, metrics, conclusions derived, and views expressed herein are those of the author(s) and do not reflect the conclusions or views of NYSDOH. NYSDOH, its employees, officers, and agents make no representation, warranty or guarantee as to the accuracy, completeness, currency, or suitability of the information provided here.

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.