

Drownings: ER Visits, Inpatient Hospitalizations and Deaths

Nassau County Residents NY, 2018-2022

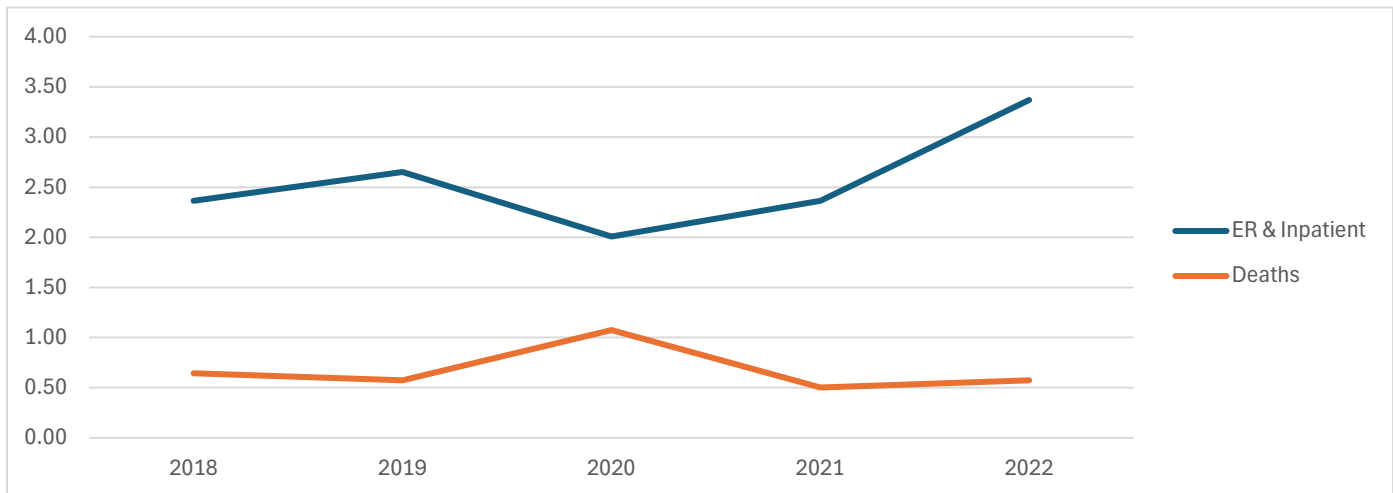
*Since 95% of all drownings were undetermined or unintentional, the report will only focus on these characterizations

**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

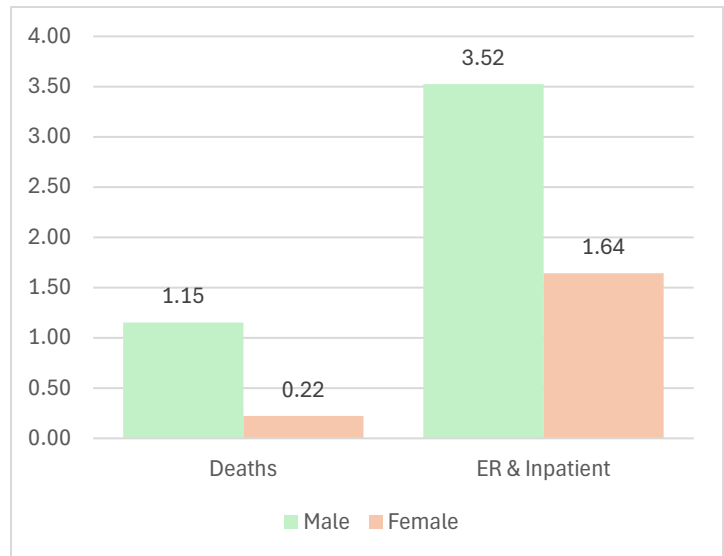


Description

- 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%)

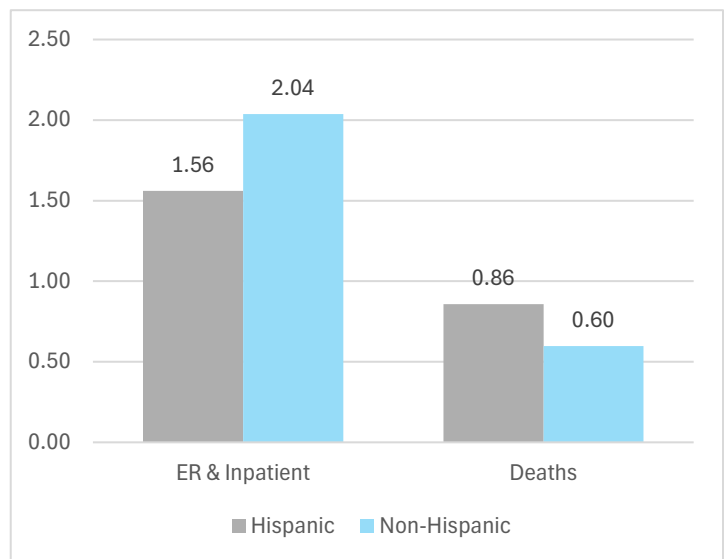
Gender

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



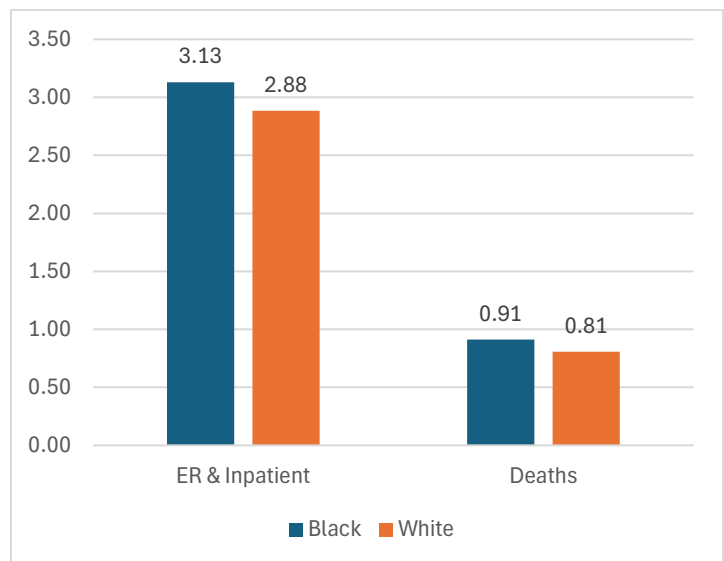
Ethnicity

- 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.

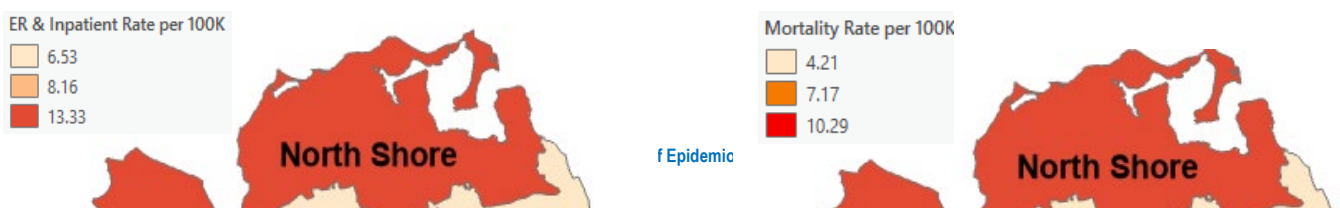
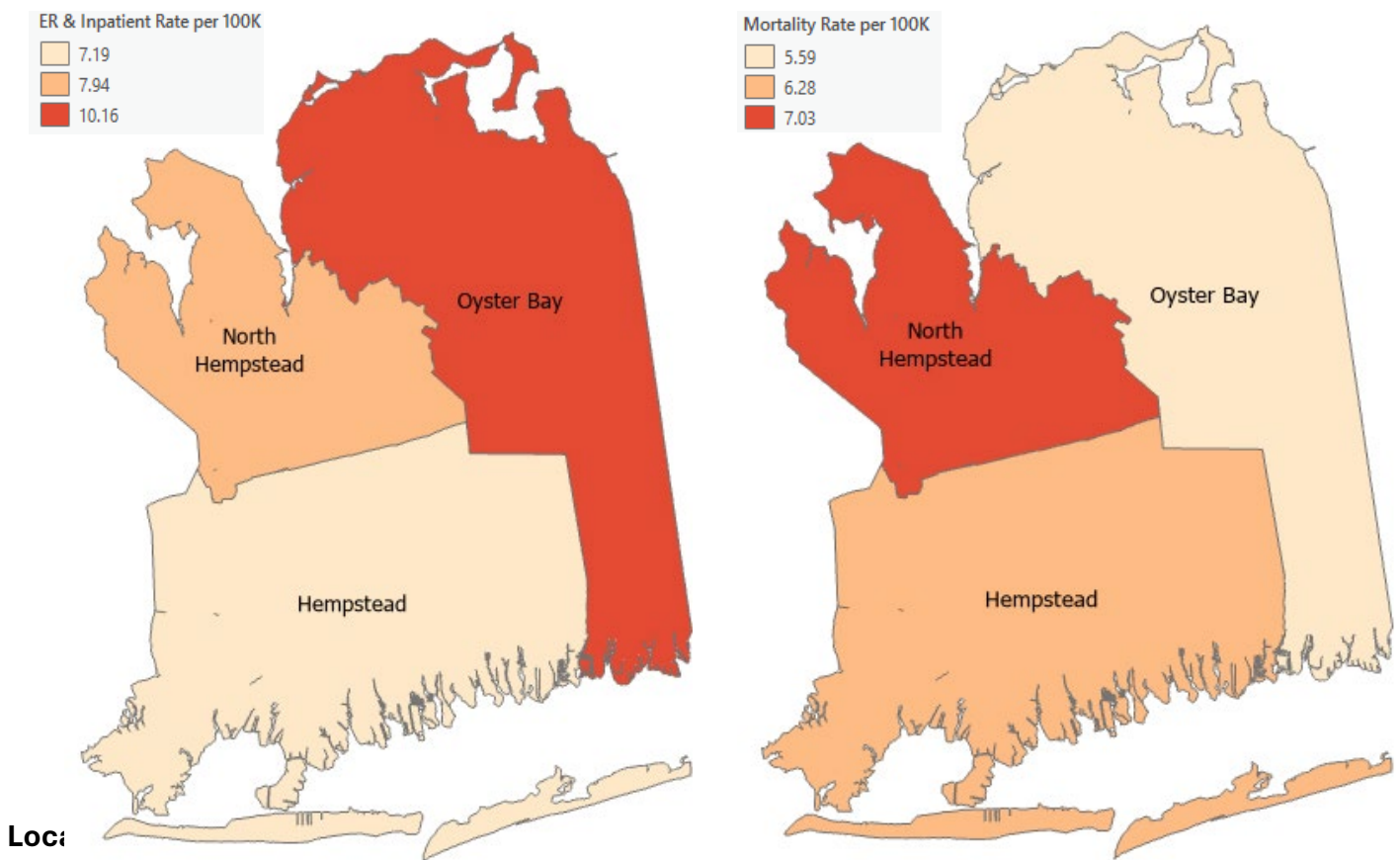


Age Group

- 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



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

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