



**Department
of Health**

Sepsis Report User Guide

General Page Structure

NEW YORK STATE Department of Health

New York State Report on Sepsis Care Improvement Initiative
2021

Introduction Technical Notes and Terms Total Event Counts by Hospitalization Characteristics **Total Case Counts and In-Hospital Mortality Rates by Patient Demographics** NYS Resident Case Counts and In-Hospital Mortality Rates by Patient County NYS Resident Case Counts and Population Rates by Patient Demographics NYS Resident Case Counts and Population Rates by Patient County NYS Resident Risk-Adjusted 30-Day Mortality Rates by Hospital Risk-Adjusted 30-Day Mortality Rate Methodology

Navigation Panel

Total Case Counts and In-Hospital Mortality Rates by Patient Demographics

The interactive view below shows the number of cases and the in-hospital mortality rate of severe sepsis/septic shock in NYS hospitals during the calendar year, including non-NYS residents. The unit of analysis for this view is a severe sepsis/septic shock 'case'. A 'case' is defined as a single instance of severe sepsis/septic shock, even if reported across more than one hospital (i.e. transfers). Subsequent admission of the same patient for severe sepsis/septic shock that is not a transfer and occurs greater than one day after a previous discharge with severe sepsis/septic shock is counted as a separate case. Users can select data to be presented for adult (age 21 years or older) or pediatric (age 20 years or younger) cases, or both populations combined. Users can also select data to be presented for all severe sepsis/septic shock cases or separate severe sepsis/septic shock cohorts defined by whether a patient was diagnosed with COVID-19 or MIS-C (for the pediatric population). Demographic information is reported, and users can examine either case counts or mortality rates to look for potential differences among demographic groups. Mortality rates are defined as the percent of cases in which a patient died before being discharged from the hospital. Age-adjusted mortality rates are also presented to compare while controlling for the age composition of each demographic group. Please hover over the 'i' for more details on the data contained within this view.

Key Points

- Case volume and mortality rates should not be compared to previous reports due to changes in data collection and case identification.
- Severe sepsis/septic shock occurs across all age groups but is more frequent in older adults and the youngest children.
- The COVID-19 pandemic resulted in increased mortality rates. Nearly one-third of all severe sepsis/septic shock cases ended with in-hospital death. The mortality rate was substantially higher for severe sepsis/septic shock cases with COVID-19 compared to cases without COVID-19.

Narrative Section

- Description of what can be seen in the data section
- Key points

Severe Sepsis/Septic Shock Patient Demographics, 2021

Select Metric to View: Case Counts In-Hospital Mortality Rates Per 100 Cases

Select Population Group: Adult Pediatric Adult and Pediatric

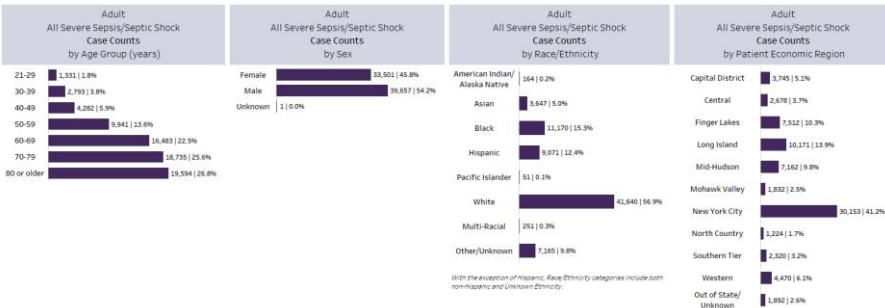
Select Cohort: All Severe Sepsis/Septic Shock Severe Sepsis/Septic Shock without COVID-19 Severe Sepsis/Septic Shock with COVID-19

Includes severe sepsis/septic shock cases in NYS hospitals regardless of patient residence.

Selection Banner - Data Section

- Filter selection
- Data notes

Adult Case Counts by Cohort

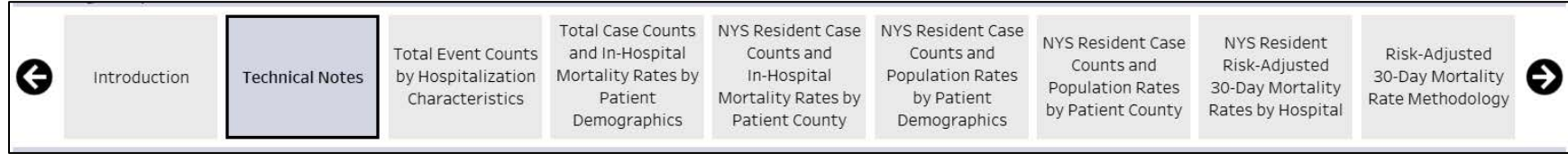


Visualizations - Data Section

Navigation Buttons

Dashboard Page Navigation

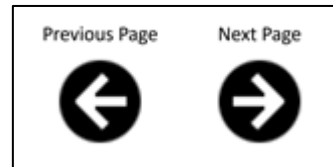
Click any of the tiles to navigate to that page.



Click to navigate to previous page.

Shaded box and border indicates current page.

Click to navigate to next page.



(Found at the bottom of each page.)

How to Use Selection Banner

Select a metric to view on the page.

Select a cohort.

Select a population group.

Select Metric to View

Case Counts

In-Hospital Mortality Rates Per 100 Cases

Select Population Group

Adult

Pediatric

Adult and Pediatric

Select Cohort

All Severe Sepsis/Septic Shock

Severe Sepsis/Septic Shock without COVID-19

Severe Sepsis/Septic Shock with COVID-19

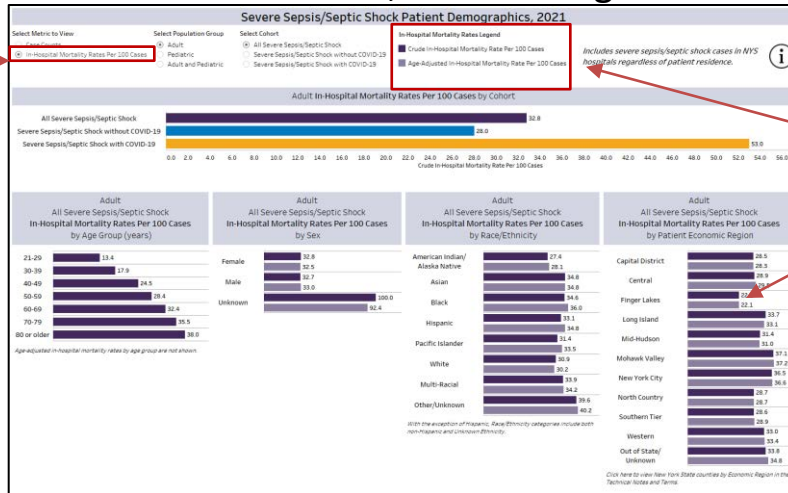
Includes severe sepsis/septic shock cases in NYS hospitals regardless of patient residence.

i

Includes severe sepsis/septic shock cases in NYS hospitals regardless of patient residence.





When a 'Rates' metric is selected, a 'Rates Legend' will appear.



Use the Rates Legend to distinguish between Crude and Age-Adjusted Rates.

How to See More Information on Data

- Hover over  for more information on the data presented on the page.

Select Metric to View	Select Population Group	Select Cohort	
<input checked="" type="radio"/> Case Counts <input type="radio"/> In-Hospital Mortality Rates Per 100 Cases	<input checked="" type="radio"/> Adult <input type="radio"/> Pediatric <input type="radio"/> Adult and Pediatric	<input checked="" type="radio"/> All Severe Sepsis/Septic Shock <input type="radio"/> Severe Sepsis/Septic Shock without COVID-19 <input type="radio"/> Severe Sepsis/Septic Shock with COVID-19	<i>Includes severe sepsis/septic shock cases in NYS hospitals regardless of patient residence.</i> 

☰

All cases of severe sepsis/septic shock that are eligible for reporting are represented, with exclusions as described in the Technical Notes.

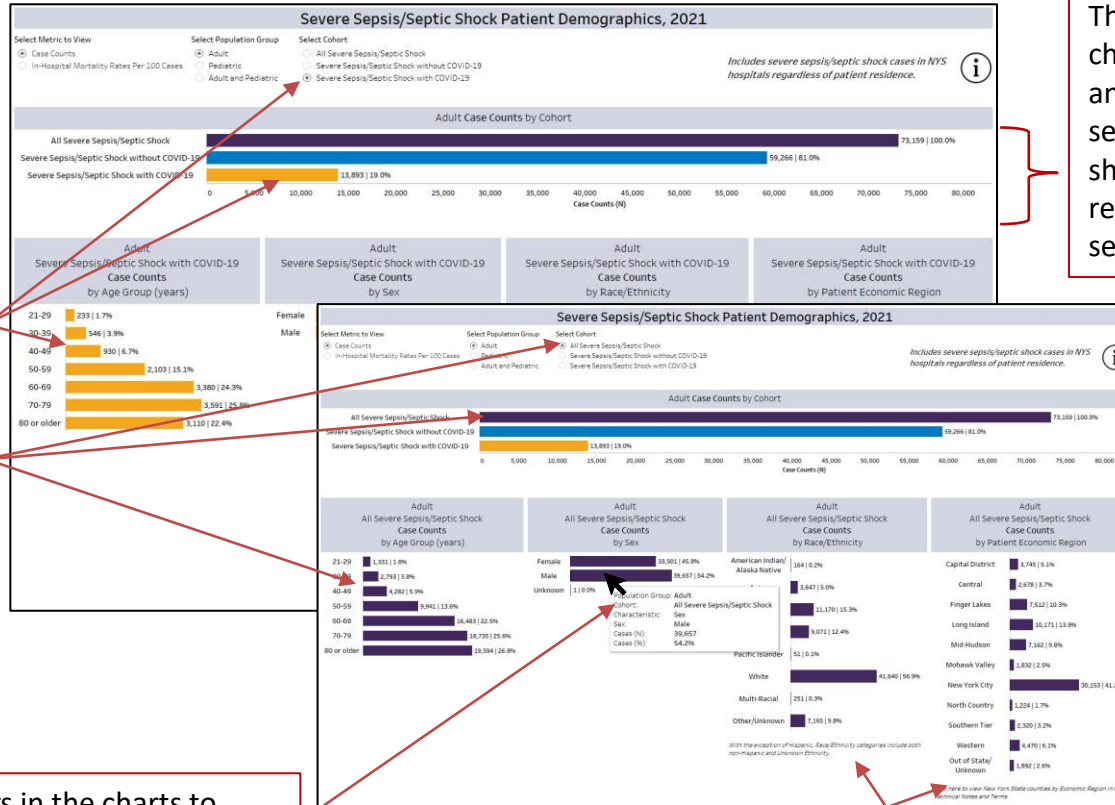
Age adjustment for in-hospital mortality rates was performed by indirect standardization.

The exclusion of severe sepsis/septic shock during birth hospitalizations may impact counts and rates for the pediatric population.

[Go to Technical Notes](#)

Click to go to the linked page.

How to Use Charts



The display on the top will change based on the Metric and Population Group selection. All cohorts are shown in this display, regardless of cohort selection.

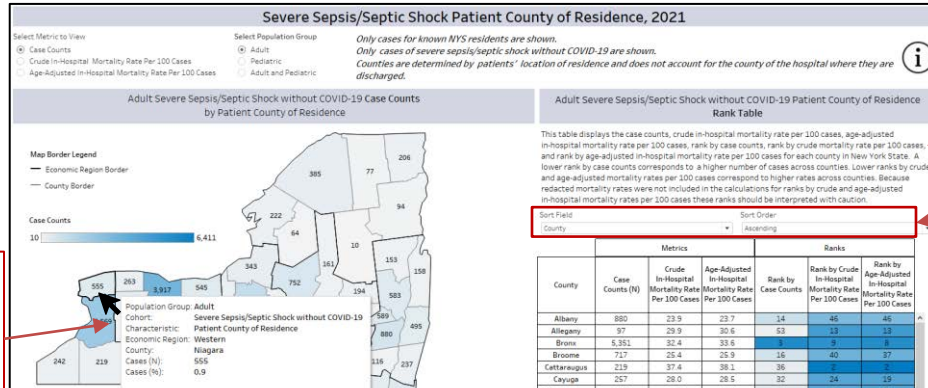
Each color corresponds to a specific cohort. Can identify selected cohort by the color of the charts.

Selecting Metrics, Population Groups, and Cohorts will change the data presented on the bottom charts.

Hover over bars in the charts to view more information.

Footnotes contain more detailed information for a chart or links to other pages.

How to Use Map Pages



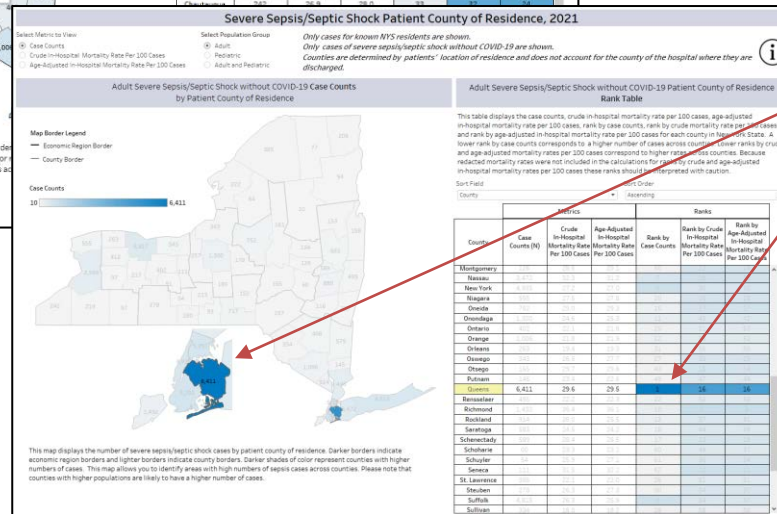
A description of what can be viewed in the table.

Use the dropdown menus to select the order of the data displayed in the table.

Hover over a county to view more information.

Click counties in the map to highlight in the table. Can also click a county in the table to highlight in the map. Hold down the Ctrl button for multiple selection. Re-click selected counties or click on white space to clear selection on map. Re-click selected counties or click on table column headers to clear selection in table.

A description of what can be viewed on the map.

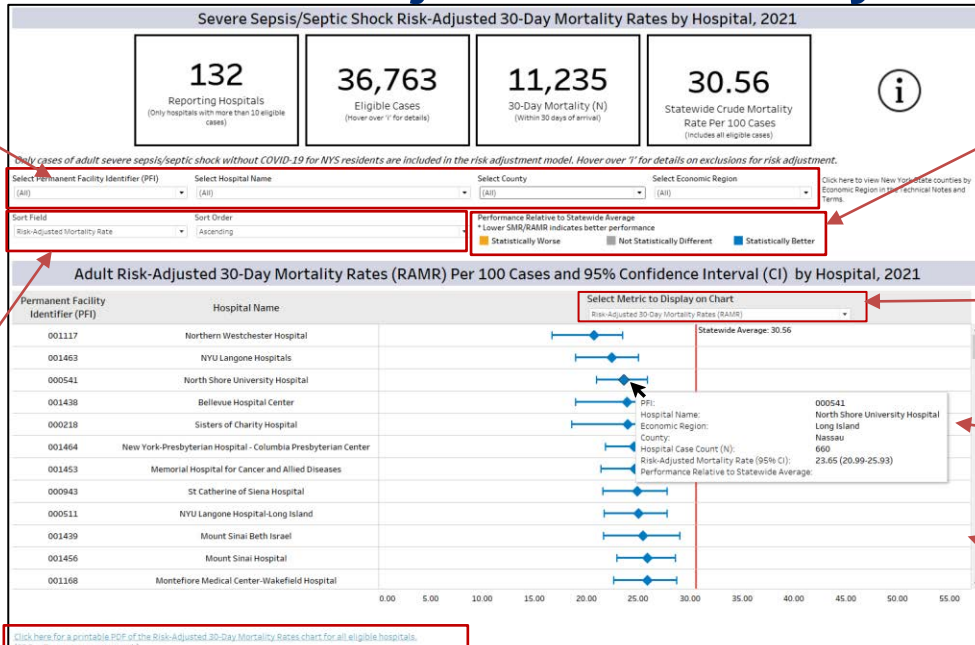


How to Use Risk-Adjusted Mortality Rates by Hospital Page

Use these dropdown menus to filter hospitals in the chart and table.

Use these dropdown menus to sort the order of the data presented on the page.

Click here for a printable PDF of the Risk-Adjusted Mortality chart. PDF will open in a separate page.



Use this legend to see hospital performance in the chart below. Click on a legend value to highlight hospitals within that performance level. Re-click selected legend value or white space to clear selection.

Use this dropdown menu to select the metric displayed on the chart.

Hover over a data point in the chart to view more information.

Click on hospitals in the chart to highlight in the table. Can also click on hospitals in the table to highlight in the chart. Hold down the Ctrl button for multiple selection. Re-click selected hospitals or click on white space to clear selection.

Adult 30-Day Post Arrival Mortality Facility Summary Table

Permanent Facility Identifier (PFI)	Hospital Name	County	Economic Region	Performance Relative to Statewide Average	Hospital Case Count (N)	30-Day Mortality (N)	Crude Mortality Rate Per 100 Cases	Standardized Mortality Ratio (95% CI)	Risk-Adjusted Mortality Rate (95% CI)
001117	Northern Westchester Hospital	Westchester	Mid-Hudson	Statistically Better	318	48	15.19	0.68 (0.55-0.77)	20.78 (18.79-23.49)
001463	NYU Langone Hospitals	New York	New York City	Statistically Better	335	85	25.37	0.73 (0.62-0.82)	22.45 (19.01-25.05)
000541	North Shore University Hospital	Nassau	Long Island	Statistically Better	660	168	25.45	0.77 (0.69-0.85)	23.85 (20.99-25.93)
001438	Bellevue Hospital Center	New York	New York City	Statistically Better	150	27	18.00	0.78 (0.62-0.90)	23.97 (19.00-27.46)
000218	Sisters of Charity Hospital	Erie	Western	Statistically Better	152	19	12.50	0.79 (0.61-0.91)	24.02 (18.64-27.86)
001464	New York-Presbyterian Hospital - Columbia Presbyterian Center	New York	New York City	Statistically Better	561	157	27.99	0.81 (0.72-0.89)	24.64 (21.88-27.05)
001453	Memorial Hospital for Cancer and Allied Diseases	New York	New York City	Statistically Better	334	115	34.43	0.81 (0.70-0.89)	24.65 (21.41-27.09)
000943	St Catherine of Siena Hospital	Suffolk	Long Island	Statistically Better	477	123	25.77	0.81 (0.71-0.91)	24.90 (21.64-27.83)