

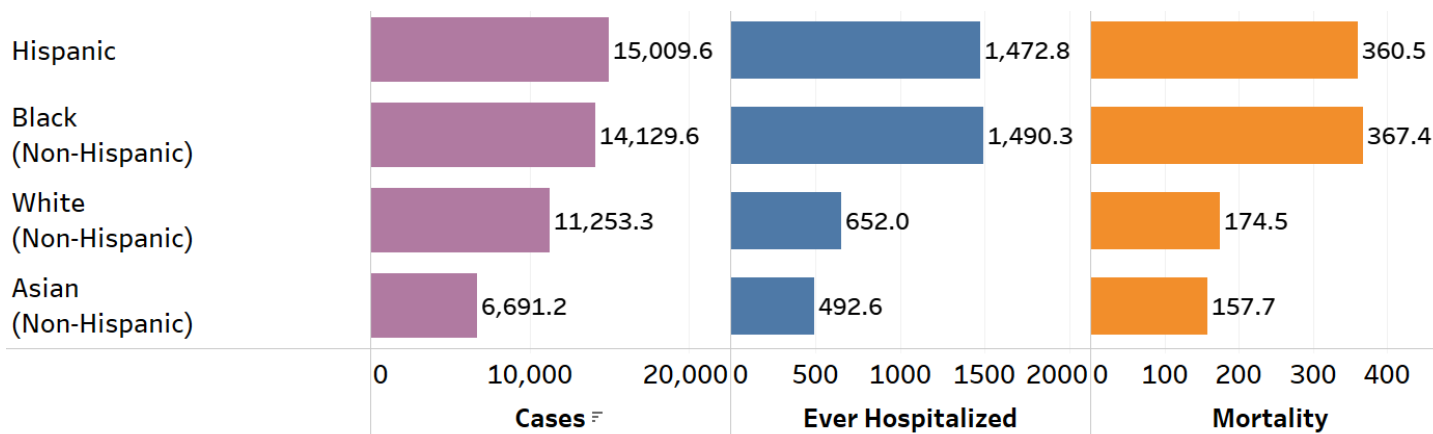
## Age-adjusted laboratory confirmed case, hospitalization, and mortality rates by race/ethnicity as of January 5, 2022, New Jersey

NJ age-adjusted case rate
NJ age-adjusted hospitalization rate
NJ age-adjusted mortality rate

**13913.7**

**930.5**

**231.6**



### Age-adjusted laboratory confirmed case, hospitalization, and mortality rates by race/ethnicity per 100,000:

	Race/Ethnicity	Cases	Ever Hospitalized	Mortality
<b>Age-adjusted rate per 100,000</b>	White	11253.3	652.0	174.5
	Black	14129.6	1490.3	367.4
	Hispanic	15009.6	1472.8	360.5
	Asian	6691.2	492.6	157.7
<b>Crude rate per 100,000</b>	White	10905.7	922.2	296.1
	Black	14194.3	1556.3	371.7
	Hispanic	14798.5	1239.1	255.6
	Asian	6799.0	487.3	137.9
<b>Case counts</b>	White	533603	45122	14486
	Black	163254	17900	4275
	Hispanic	272197	22792	4702
	Asian	59368	4255	1204
<b>Case counts (%)</b>	White	43.2%	46.3%	55.8%
	Black	13.2%	18.3%	16.5%
	Hispanic	22.0%	23.4%	18.1%
	Asian	4.8%	4.4%	4.6%
	<b>Total cases (N)</b>		1236513	97558
<b>Total laboratory-confirmed cases: 1,440,336</b> <b>Total hospitalized cases: 101,622</b> <b>Total deaths: 26,354</b>	<b>Percent of total records with age and race/ethnicity data</b>	85.8%	96.0%	98.5%

**Notes**

- This report includes PCR positive records (cases, hospitalized and mortality) with known race/ethnicity and age information.
- Data are obtained from Communicable Disease Reporting and Surveillance System (CDRSS).
- COVID-19 associated deaths are identified through public health investigations (i.e., Disease Surveillance) and NJDOH's vital statistics system.
- Hospitalization data have been collected through public health investigations.
- Age-adjusted rates on cases who identify as American Indian/Alaska Native and Native Hawaiian/Pacific Islander, or Other race categories were excluded. Hispanic/Latino includes people of any race; White, Black, Asian and Other exclude Hispanic ethnicity.
- Confirmed case rates include cases who died, case and mortality data are not **mutually exclusive**.
- Age is standardized using U.S. 2000 standard population, source: <https://www-doh.state.nj.us/doh-shad/home/AARate.html>
- Crude rates are calculated using 2018 NJ population estimates obtained from NJ Department of Labor.

### **What is age-adjusted rate?**

One way of examining the pattern of diseases in communities of different age groups is to calculate crude rates, which are the number of cases or deaths divided by the size of the population. Age-adjusting is a way to make fairer comparisons between groups with different age distributions. For example, a county with a higher percentage of elderly people is expected to have a higher crude (unadjusted) death rate than a county with a younger population. Therefore, it is often important to control for differences among the age distributions of populations when making comparisons among rates to assess the risk. Age-adjustment is a statistical method to remove differences caused by different age distributions, so that the rates are based on the same age structure.

### **What are the findings from this report?**

In New Jersey, based on 2018 population estimates, Black and Hispanic racial and ethnic groups have younger populations than the White racial group. After age-adjusting using a standard population, the case and mortality rates for the White racial group decreased while rates increased for the Hispanic ethnic group. The age-adjusted case rate among the Black racial group decreased slightly and the mortality rate was unchanged. The age-adjusted hospitalization rate increased among the Hispanic ethnic group and decreased for the White and Black racial groups.

### **Resources**

1. Age-adjusted Death Rate. New Jersey Department of Health, New Jersey State Health Assessment Data website: <https://www-doh.state.nj.us/doh-shad/home/AARate.html#:~:text=An%20age%2Dadjusted%20rate%20is,have%20on%20health%20event%20rates>.
2. Age-adjustment. National Institutes of Health: [https://www.nlm.nih.gov/nichsr/stats\\_tutorial/section2/mod5\\_age.html](https://www.nlm.nih.gov/nichsr/stats_tutorial/section2/mod5_age.html)