



## COVID-19

# Risk for COVID-19 Infection, Hospitalization, and Death By Age Group

Updated June 24, 2021 [Print](#)

## Rate ratios compared to 18- to 29-year-olds<sup>1</sup>

|                                    | 0-4<br>years old | 5-17<br>years old | 18-29<br>years old | 30-39<br>years old | 40-49<br>years old | 50-64<br>years old | 65-74<br>years old | 75-84<br>years old | 85+<br>years old |
|------------------------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|
| <b>Cases<sup>2</sup></b>           | <1x              | 1x                | Reference<br>group | 1x                 | 1x                 | 1x                 | 1x                 | 1x                 | 1x               |
| <b>Hospitalization<sup>3</sup></b> | <1x              | <1x               | Reference<br>group | 2x                 | 2x                 | 4x                 | 6x                 | 9x                 | 15x              |
| <b>Death<sup>4</sup></b>           | <1x              | <1x               | Reference<br>group | 4x                 | 10x                | 35x                | 95x                | 230x               | 610x             |

All rates are relative to the 18- to 29-year-old age category. This group was selected as the reference group because it has accounted for the largest cumulative number of COVID-19 cases compared to other age groups. Sample interpretation: Compared with 18- to 29-year-olds, the rate of death is four times higher in 30- to 39-year-olds, and 610 times higher in those who are 85 years and older. (In the table, a rate of 1x indicates no difference compared to the 18- to 29-year-old age category.)

## References

<sup>1</sup> Rates are expressed as whole numbers, with values less than 10 rounded to the nearest integer, two-digit numbers rounded to nearest multiple of five, and numbers greater than 100 rounded to two significant digits.

<sup>2</sup> Includes all cases reported by state and territorial jurisdictions (accessed on June 15, 2021). The denominators used to calculate rates were based on the 2019 [Vintage population](#) [link](#).

<sup>3</sup> Includes all hospitalizations reported through [COVID-NET](#) (from March 1, 2020 through June 5, 2021, accessed on June 15, 2021). Rates were standardized to the 2020 US standard COVID-NET catchment population.

<sup>4</sup> Includes all deaths in National Center for Health Statistics (NCHS) [provisional death counts](#) (accessed on June 15, 2021). The denominators used to calculate rates were based on the 2019 Vintage population.