Summary

In July, unvaccinated individuals 5 years and older had:

- 18X Risk of Hospitalization from COVID-19*
- 47X Risk of Dying from COVID-19*

compared to individuals who were up-to-date on vaccination.

- 6.9X Risk of Hospitalization from COVID-19*
- 7.2X Risk of Dying from COVID-19*

compared to individuals who were vaccinated but not up-to-date.

- COVID-19 vaccines are safe and effective tools to bring the pandemic under control.
- ADHS is working with CDC and local health departments to investigate SARS-CoV-2 infections among people who received COVID-19 vaccine to identify patterns or trends in patient characteristics, the administered vaccine, or variant strains.
- Every week and across all age groups, people who were unvaccinated had a greater risk of hospitalization from COVID-19 and a greater risk of dying from COVID-19 than people who were up-to-date on their vaccinations.

Age-Adjusted Rates of COVID-19 Hospitalizations and Deaths per 100K by Specimen Collection Date Among Up-to-Date on Vaccination, Vaccinated but Not Up-to-Date, and Unvaccinated Individuals 5 Years and Older

Hospitalizations Per 100K

Deaths Per 100K
Rates of COVID-19 Hospitalizations per 100K by Specimen Collection Date Among Up-to-Date on Vaccination, Vaccinated but Not Up-to-Date, and Unvaccinated Individuals 5 Years and Older

Stratified by Age Group

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Graph</th>
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<tbody>
<tr>
<td>5–17 years</td>
<td><img src="5-17-years.png" alt="Graph" /></td>
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<tr>
<td>18–29 years</td>
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<tr>
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<td>65–79 years</td>
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<tr>
<td>80 years and older</td>
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Rates of COVID-19 Deaths per 100K by Specimen Collection Date Among Up-to-Date on Vaccination, Vaccinated but Not Up-to-Date, and Unvaccinated Individuals 5 Years and Older

Stratified by Age Group

5–17 years

18–29 years

30–49 years

50–64 years

65–79 years

80 years and older

9/7/2022

Arizona Department of Health Services
Hospitalizations

Deaths
About the Data:

- Beginning 8/3/2022, case information was removed from the report due to changes in testing practices, including the increased use of at-home tests, which affects the cases that are reported (i.e., reports are mostly symptomatic individuals who sought healthcare).
- Beginning 9/7/2022, the report shifted to comparing unvaccinated individuals to individuals who are up-to-date on their vaccinations as well as individuals who are not up-to-date on their vaccinations.
- Data included in the report are on a rolling 6-month timeframe.
  - Rates of COVID-19 Deaths: 1/30/2022 7/30/2022
    - Death data have a month lag in order to help with data completeness.
- Incidence rates in the report are weekly rates grouped by age and calculated by dividing the number of hospitalizations or deaths by the up-to-date on vaccination, vaccinated but not up-to-date or unvaccinated population then multiplied by 100,000. The overall incidence rates are standardized by age.
- Rates are not adjusted for underlying conditions or most demographic factors, aside from age.
- *Incidence rate ratios (IRRs) are provided for the most recent month with complete hospitalization and death data. These ratios are calculated by dividing the average weekly incidence rates among unvaccinated by the incidence rates of up-to-date on vaccination and vaccinated but not up-to-date.

Definitions:

- Vaccination status is determined by CDC's current recommendations and is different depending on an individual's age, the first vaccine they received, and the time since their last dose.
  - Up-to-date on vaccination: individuals who have received all of the CDC recommended COVID-19 vaccines when eligible.
  - Vaccinated but not up-to-date: individuals who have received at least 1 CDC recommended COVID-19 vaccine, but have not received all recommended vaccine doses.

References:

2. Stay Up to Date with Your COVID-19 Vaccines

Additional resources:

- Rates of COVID-19 Cases and Deaths by Vaccination Status
- Rates of laboratory-confirmed COVID-19 hospitalizations by vaccination status