Preventable COVID-19 Deaths, with available vaccination, 4/15/21 to 7/15/21

| Deaths at start of period, actual | 567,000 | | | |
|---|--|--|--|--|
| Deaths at end of period, actual | 607,000 | | | |
| Deaths this period | 40,000 | | | |
| | | | | |
| Vaccinated at start | 91,000,000 | | | |
| Vaccinated at end | 167,000,000 | | | |
| | | | | |
| US adult population | 260,000,000 | | | |
| Missed vax this period | 93,000,000 | | | |
| Average missed vax over period | 46,500,000 | | | |
| | | | | |
| Unvaxed mortality this period, per week, per 100k | 3.86 | | | |
| Vaxed mortality this period, per week, per 100k | 0.24 | | | |
| Predicted deaths, missed people, unvaxed | 21,539 | | | |
| Predicted deaths, missed people, vaxed | 1,339 | | | |
| Preventable deaths this period, estimated | 20,200 | | | |
| | | | | |
| <u>Notes</u> | | | | |
| | Vaxed and unvaxed mortality are an average of 3 data points for start/middle/end of period | | | |
| | Vaccinated = completed primary series (usually 2 shots) | | | |

| Date | Unvaxed deaths, per week, per 100k | Vaxed deaths, per week, per 100k | Daily deaths, 7 day average | Daily deaths weighting | Vaxed deaths, per week, per 100k, weighted | | |
|---|--|----------------------------------|-----------------------------|------------------------|--|--|--|
| 7/18/2021 | 7.21 | 0.49 | 276 | 0.038 | 0.019 | | |
| 9/12/2021 | 14.97 | 0.99 | 1716 | 0.237 | 0.234 | | |
| 11/14/2021 | | 0.24 | 1028 | 0.142 | 0.034 | | |
| 1/16/2022 | | | 1934 | 0.267 | 0.363 | | |
| 3/13/2022 | | | 1234 | 0.170 | 0.019 | | |
| 5/15/2022 | | | 288 | 0.040 | 0.012 | | |
| | | | | | | | |
| 7/17/2022 | | | 412 | 0.057 | 0.023 | | |
| 10/23/2022 | 1.17 | 0.04 | 364 | 0.050 | 0.002 | | |
| Totals | | | 7252 | 1.000 | 0.705 | | |
| US pop age 5+ | 313,000,000 | | | | | | |
| US pop total | 332,000,000 | | | | | | |
| | , , , , , , | | | | | | |
| Deaths at start of period, actual | 607,834 | | | | | | |
| | | | | | | | |
| Deaths at end of period, actual | 1,083,279 | | | | | | |
| Deaths this period | 475,445 | | | | | | |
| Vaxed deaths this period predicted by weighted rate Preventable deaths this period, estimated | 136,732 338,713 | | | | | | |
| Data Sources | | | | | | | |
| Deaths | https://covid.cdc.gov/covid- | data-tracker/#trends_daily | deaths select 00 | | | | |
| Vaccine effectiveness Vaccination pace | https://covid.cdc.gov/covid-data-tracker/#rates-by-vaccine-status https://covid.cdc.gov/covid-data-tracker/#vaccination-trends | | | | | | |
| | | | | | | | |
| Vaccine demographics | https://covid.cdc.gov/covid- | uata-tracker/#vaccination- | -uemograpnics-trends | | | | |
| Population | Various Internet sources | | | | | | |
| | | | | | | | |
| <u>Notes</u> | | | | | | | |
| | Black numbers are entered. I | Blue numbers are calculat | ed. | | | | |
| | Vaccinated = primary series | + all boosters recommend | ed. | | | | |
| | Unvaxed death rates are out | of the total unvaccinated | population. | | | | |
| | Unvaxed death rates are out of the total unvaccinated population. | | | | | | |
| | Vaxed death rates are out of people who are vaccinated. | | | | | | |
| | Unvaxed deaths for 11/21 to present use a population base of 5+ years old. | | | | | | |
| | Unvaxed deaths for 7/21 and 9/21 use a population base of 6+ months. This does not affect any key calculations here. | | | | | | |
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Preventable COVID-19 Deaths, with available vaccination, 4/15/21 to 12/14/22

| Deaths at start of period, actual | 567,000 | |
|---|-----------|--|
| Deaths at end of period, actual | 1,083,279 | |
| Deaths this period | 516,279 | |
| | | |
| Preventable deaths 4/15/21 to 7/15/21, estimated | 20,200 | |
| Preventable deaths 7/15/21 to 12/14/22, estimated | 338,713 | |
| Preventable deaths this period, estimated | 358,913 | |
| | | |
| Preventable deaths fraction of actual deaths, estimated | 0.6952 | |
| | | |