

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			
Notes				
	Vaxed and unvaxed mortality are an average of 3 data points for start/middle/end of period			
	Vaccinated = completed primary series (usually 2 shots)			

Preventable COVID-19 Deaths, with available vaccination, 7/15/21 to 3/15/23

Date	Unvaxed deaths, per week, per 100k	Vaxed deaths, per week, per 100k	Weekly deaths	Weekly deaths weighting	Vaxed deaths, per week, per 100k, weighted
7/18/2021	7.21	0.49	1948	0.031	0.015
9/12/2021	14.97	0.99	14085	0.223	0.221
11/14/2021	12.73	0.24	7498	0.119	0.028
1/16/2022	18.07	1.36	13227	0.209	0.285
3/13/2022	1.06	0.11	7821	0.124	0.014
5/15/2022	1.24	0.29	2122	0.034	0.010
7/17/2022	2.68	0.40	2755	0.044	0.017
9/25/2022	2.47	0.2	3158	0.050	0.010
11/27/2022	3.93	0.39	2657	0.042	0.016
1/29/2023	1.99	0.28	3766	0.060	0.017
02/26/2023	1.07	0.19	2317	0.037	0.007
03/15/2023 (est)	1.07	0.19	1815	0.029	0.005
Totals			63169	1.000	0.645
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	1,121,500				
Deaths this period	513,666				
Vaxed deaths this period predicted by weighted rate	175,761				
Preventable deaths this period, estimated	337,905				
Data Sources					
Deaths	https://covid.cdc.gov/covid-data-tracker/#trends_dailydeaths_select_00				
Vaccine effectiveness	https://covid.cdc.gov/covid-data-tracker/#rates-by-vaccine-status				
Vaccination pace	https://covid.cdc.gov/covid-data-tracker/#vaccination-trends				
Vaccine demographics	https://covid.cdc.gov/covid-data-tracker/#vaccination-demographics-trends				
Population	Various Internet sources				
Notes					
	Black numbers are entered. Blue numbers are calculated.				
	Vaccinated = primary series + all boosters recommended.				
	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.				

Preventable COVID-19 Deaths, with available vaccination, 4/15/21 to 3/15/23

Deaths at start of period, actual	567,000			
Deaths at end of period, actual	1,121,500			
Deaths this period	554,500			
Preventable deaths 4/15/21 to 7/15/21, estimated	20,200			
Preventable deaths 7/15/21 to 3/15/23, estimated	337,905			
Preventable deaths this period, estimated	358,105			
Preventable deaths fraction of actual deaths, estimated	0.6458			