



**NEW YORK CITY DEPARTMENT OF HEALTH  
AND MENTAL HYGIENE**  
Dave A. Chokshi, MD MSc  
Commissioner

**FOR IMMEDIATE RELEASE  
Wednesday, August 25, 2021**

## **HEALTH DEPARTMENT RELEASES DATA ON COVID-19 VACCINE EFFECTIVENESS**

*The overwhelming majority of COVID-19 illness, hospitalizations and deaths are among New Yorkers who are not fully vaccinated*

*The COVID-19 vaccines are very effective at preventing the most severe outcomes of COVID-19, like hospitalization and death*

**August 25, 2021** – The Health Department today released [new data on vaccine effectiveness](#) and breakthrough cases, hospitalizations and deaths. Between January 17 and August 7, 2021, 96.1% of COVID-19 cases, 96.9% of COVID-19 hospitalizations, and 97.3% of COVID-19 deaths in New York City were in people who were unvaccinated or not fully vaccinated. Additionally, for the same time period, 0.33% of fully vaccinated New Yorkers have ever been diagnosed with COVID-19, 0.02% have been hospitalized with COVID-19, and 0.003% have died due to complications with COVID-19.

“Our new analysis shows that the vaccines continue to be highly effective against COVID-19 illness, including against the Delta variant,” said **Health Commissioner Dr. Dave A. Chokshi**. “The best way that unvaccinated New Yorkers can protect themselves and their loved ones is by getting vaccinated. The data we’re presenting today is real-world and rigorous. The bottom line: vaccines keep you alive and out of the hospital.”

For the most recent week of data from August 7, unvaccinated New Yorkers are 3.1 times more likely to get COVID-19 than fully vaccinated New Yorkers. Additionally, unvaccinated New Yorkers are almost 10 times more likely to be hospitalized with COVID-19 than those who are fully vaccinated.

**Table 1: Very few fully vaccinated New Yorkers are being infected and getting severely sick from COVID-19**

Cumulative cases, hospitalizations, and deaths among fully vaccinated New Yorker since January 17, 2021							
As of:	Fully vaccinated:	— Number among fully vaccinated people —			— Percent of fully vaccinated people —		
		Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
6/26/21	4,004,121	5,543	669	118	0.1384	0.0167	0.0030
7/3/21	4,131,830	5,898	697	123	0.1428	0.0169	0.0030
7/10/21	4,224,848	6,502	725	128	0.1539	0.0172	0.0030
7/17/21	4,299,254	7,637	777	137	0.1776	0.0181	0.0032
7/24/21	4,365,144	9,509	832	141	0.2178	0.0191	0.0032
7/31/21	4,427,563	12,104	926	152	0.2734	0.0209	0.0034
8/7/21	4,484,599	14,986	1,042	153	0.3342	0.0232	0.0034

**Table 2: Illness, hospitalizations and deaths are overwhelmingly among people who are not full vaccinated**

Proportion of cumulative COVID-19 cases, hospitalizations, and deaths in New Yorks that are not fully vaccinated since January 17, 2021							
As of:	Total cases:	— Among not fully vaccinated people —			— Proportion among not fully vaccinated people —		
		Cases	Hospitalizations	Deaths	Cases	Hospitalizations	Deaths
6/26/21	351,083	345,540	30,350	5,478	98.42	97.84	97.89
7/3/21	352,685	346,787	30,490	5,490	98.33	97.77	97.81
7/10/21	355,127	348,625	30,638	5,503	98.17	97.69	97.73
7/17/21	358,947	351,310	30,846	5,517	97.87	97.54	97.58
7/24/21	365,143	355,634	31,117	5,544	97.40	97.40	97.52
7/31/21	374,116	362,012	31,510	5,570	96.76	97.15	97.34
8/7/21	385,344	370,358	32,035	5,601	96.11	96.85	97.34

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