

PROTECT
CHICAGO ★

PROTEGE A
CHICAGO ★

Chicago COVID-19 Community Transmission Matrix

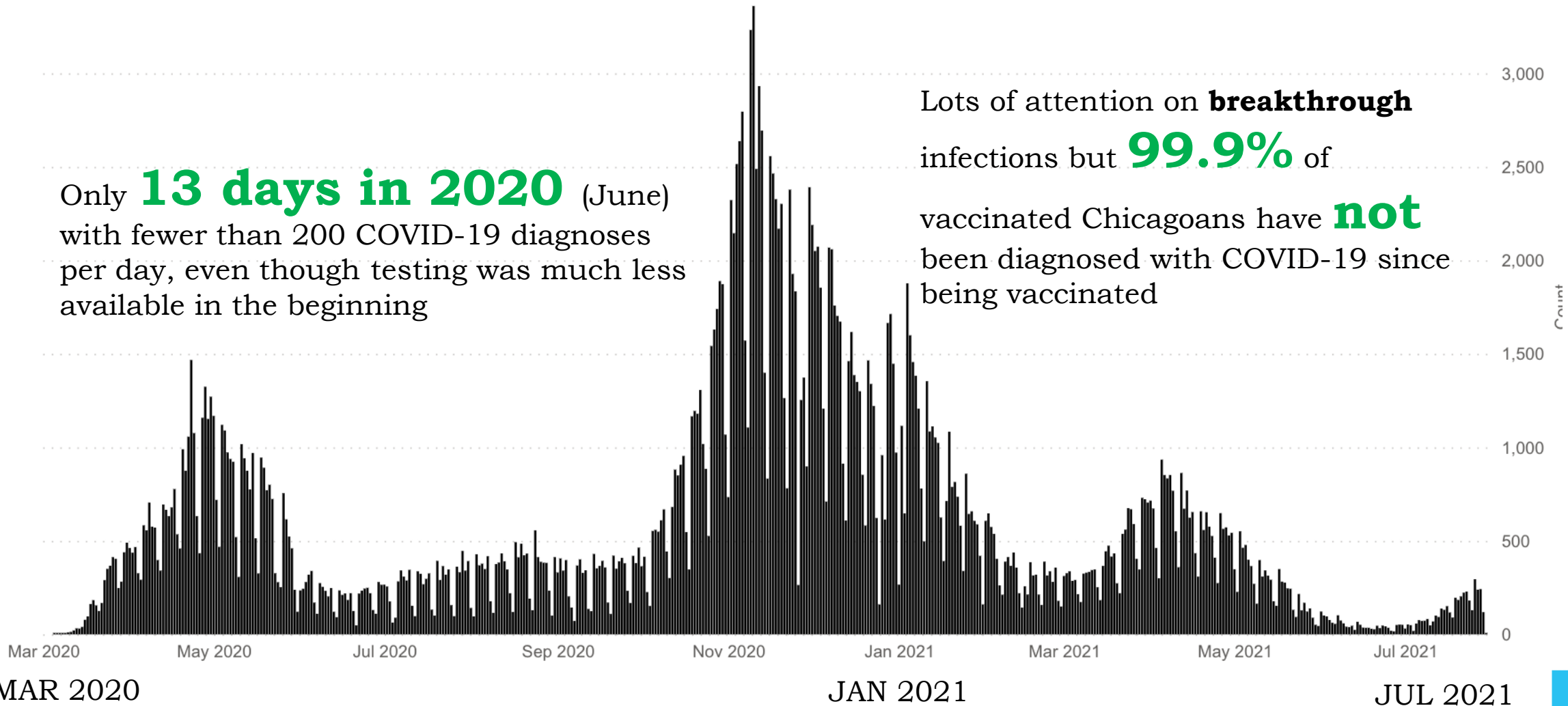
	Very high transmission	High transmission	Substantial transmission	Lower transmission	Controlled transmission
COVID-19 cases diagnosed per day <small>Chicago residents 7-day rolling daily average</small>	800+	400 – 799	200 – 399 <i>Current: 234</i> <i>Increasing</i>	20 – 199	<20
COVID-19 test positivity <small>Chicago residents 7-day rolling daily average</small>	10%+	6.6 - 9.9%	5.0 - 6.5%	2 - 4.9% <i>Current: 3.3%</i> <i>Increasing</i>	<2%
Hospital beds(non-ICU) occupied by COVID patients <small>Chicago hospitals 7-day rolling daily average</small>	1250+	750-1249	250 - 749	100 – 249 <i>Current: 125</i> <i>Increasing</i>	<100
ICU beds occupied by COVID patients <small>Chicago hospitals 7-day rolling daily average</small>	400+	300 - 399	100 – 299	20 - 99 <i>Current: 42</i> <i>Increasing</i>	<20

New daily COVID-19 diagnoses in Chicago residents, full pandemic



Only **13 days in 2020** (June) with fewer than 200 COVID-19 diagnoses per day, even though testing was much less available in the beginning

Lots of attention on **breakthrough** infections but **99.9%** of vaccinated Chicagoans have **not** been diagnosed with COVID-19 since being vaccinated



MAR 2020

JAN 2021

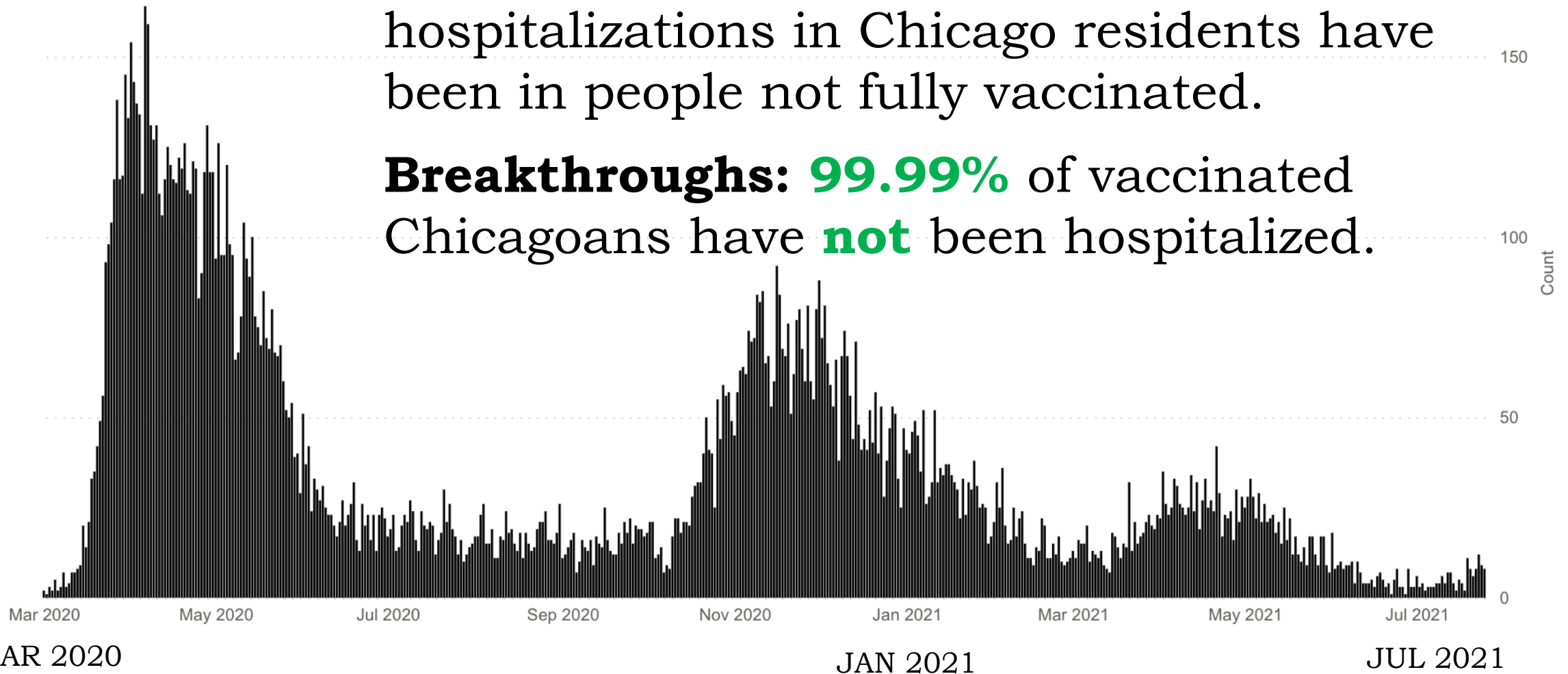
JUL 2021

New daily COVID-19 hospitalizations in Chicago residents, full pandemic



Since January 2021: **97%** of COVID-19 hospitalizations in Chicago residents have been in people not fully vaccinated.

Breakthroughs: **99.99%** of vaccinated Chicagoans have **not** been hospitalized.

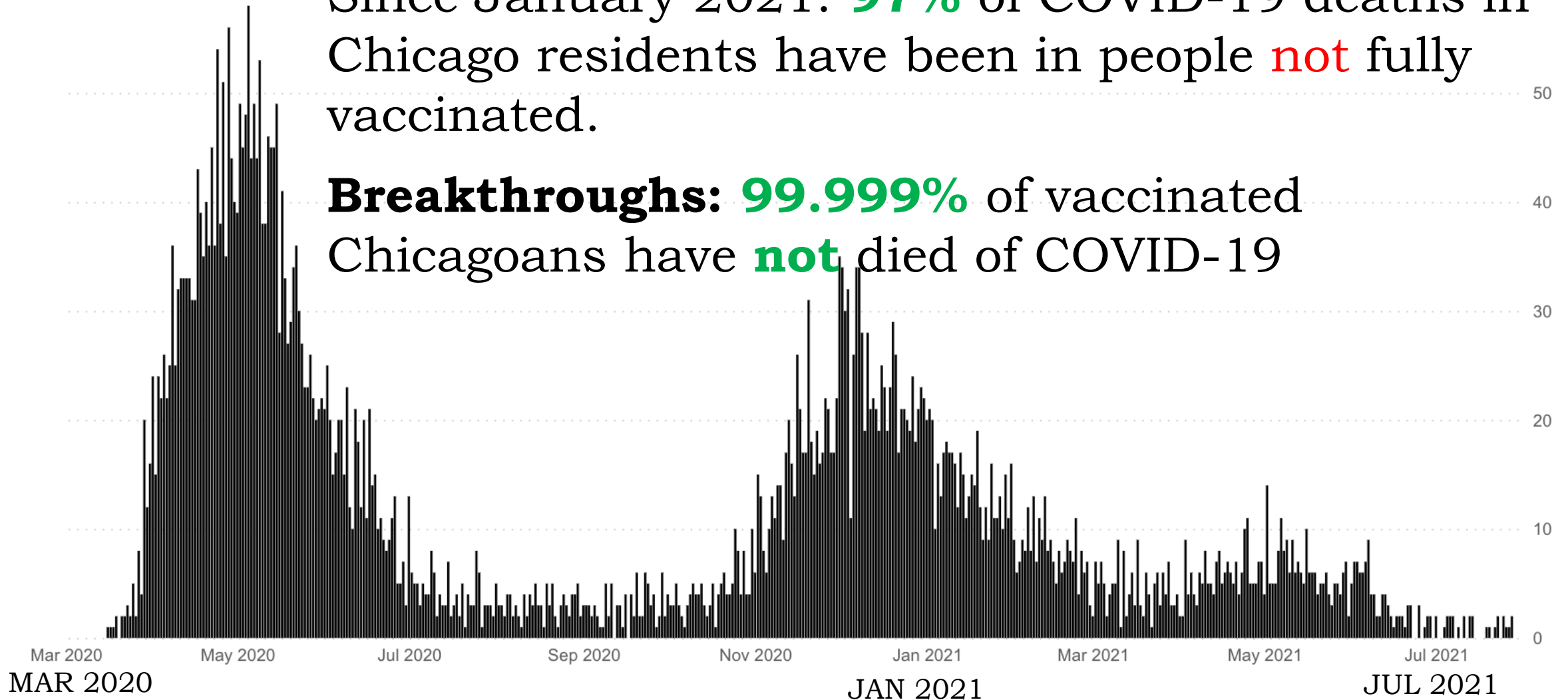


New daily COVID-19 **deaths** in Chicago residents, full pandemic

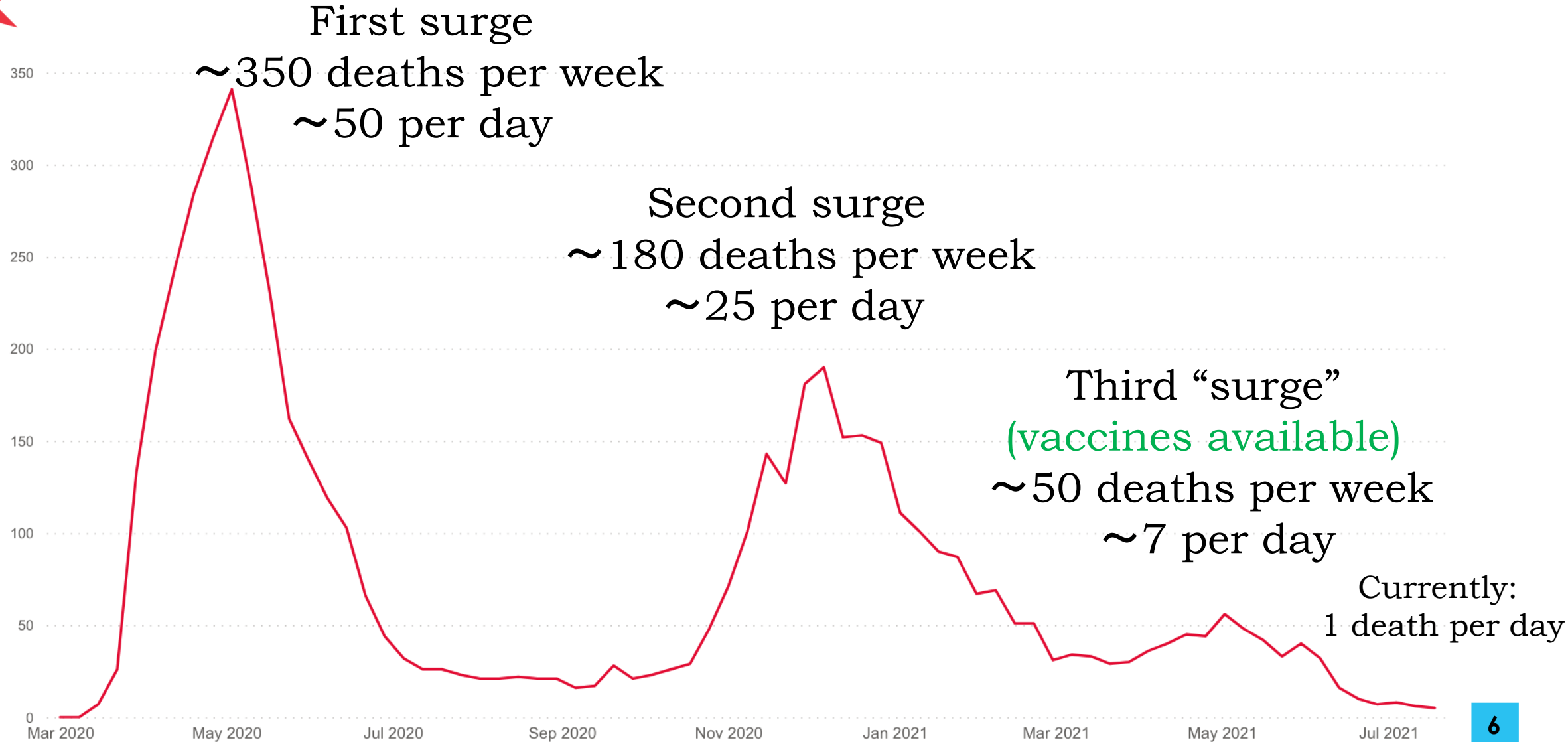


Since January 2021: **97%** of COVID-19 deaths in⁶⁰ Chicago residents have been in people **not** fully vaccinated.

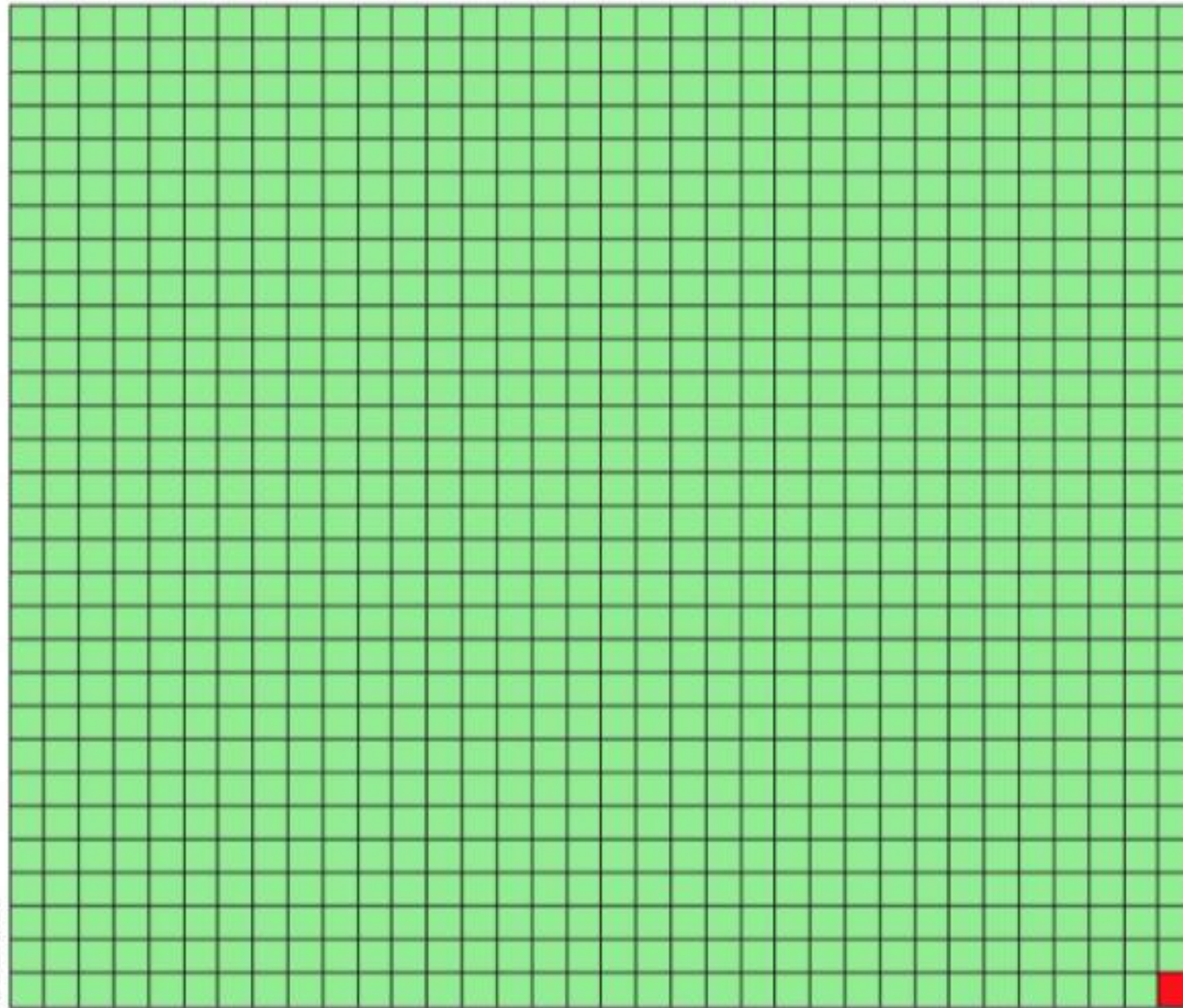
Breakthroughs: **99.999%** of vaccinated Chicagoans have **not** died of COVID-19



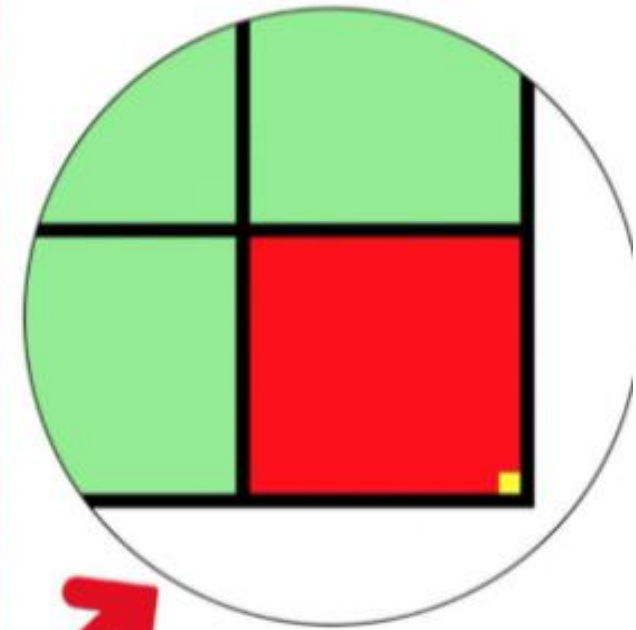
Weekly COVID-19 deaths in Chicago residents, full pandemic



Symptomatic breakthrough COVID-19 infections



- Currently...
- For every 102K vaccinated
 - There are 100 symptomatic breakthrough infections
 - And ONE death



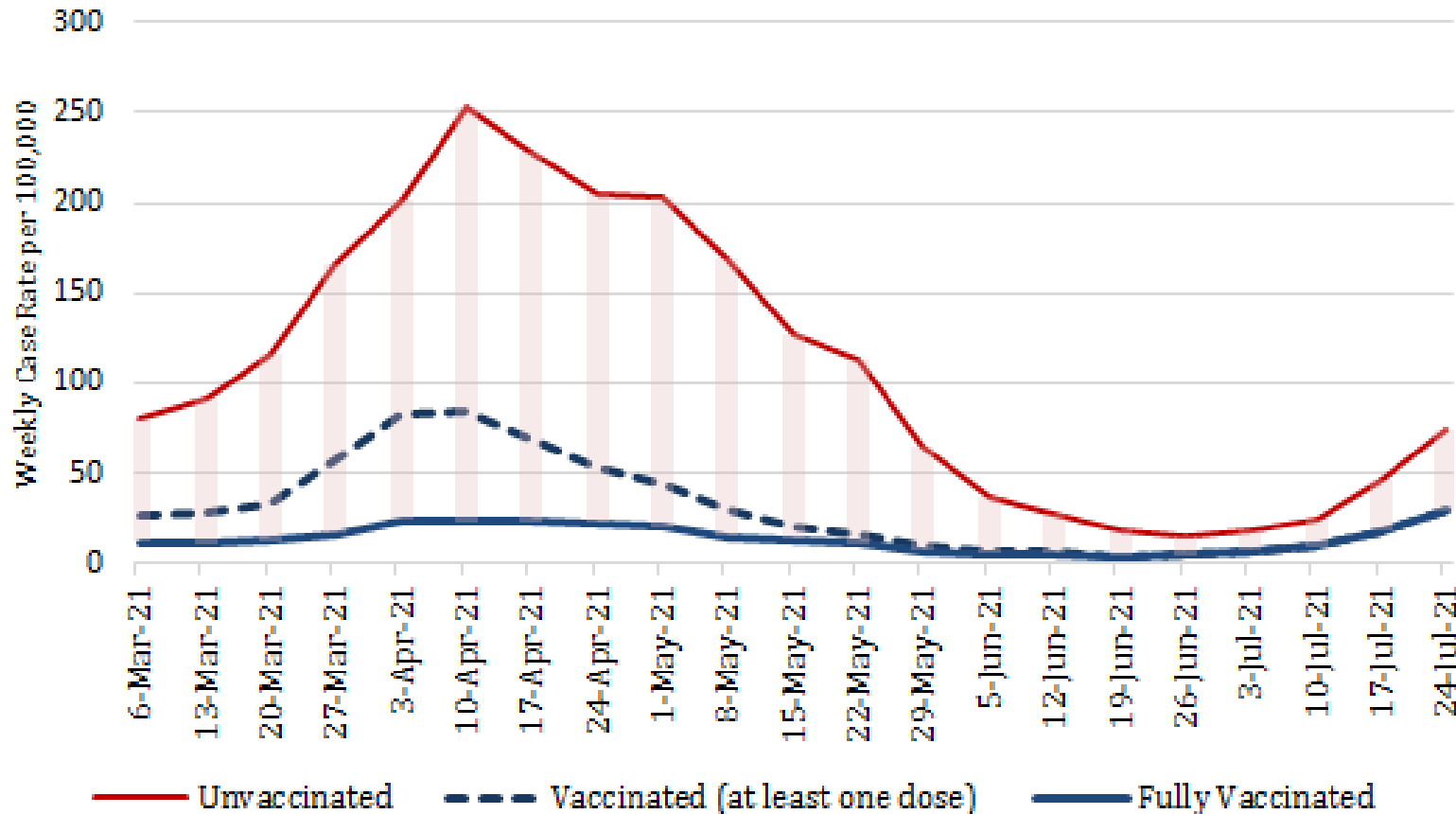
/u/DarrenLu

as of 26 July 2021, source: <https://abcn.ws/3y9lpvv>

In Chicago, **unvaccinated** people remain much more likely to be diagnosed with COVID-19 than partially or fully vaccinated people



Weekly Chicago Case Rate per 100,000 by Vaccination Status

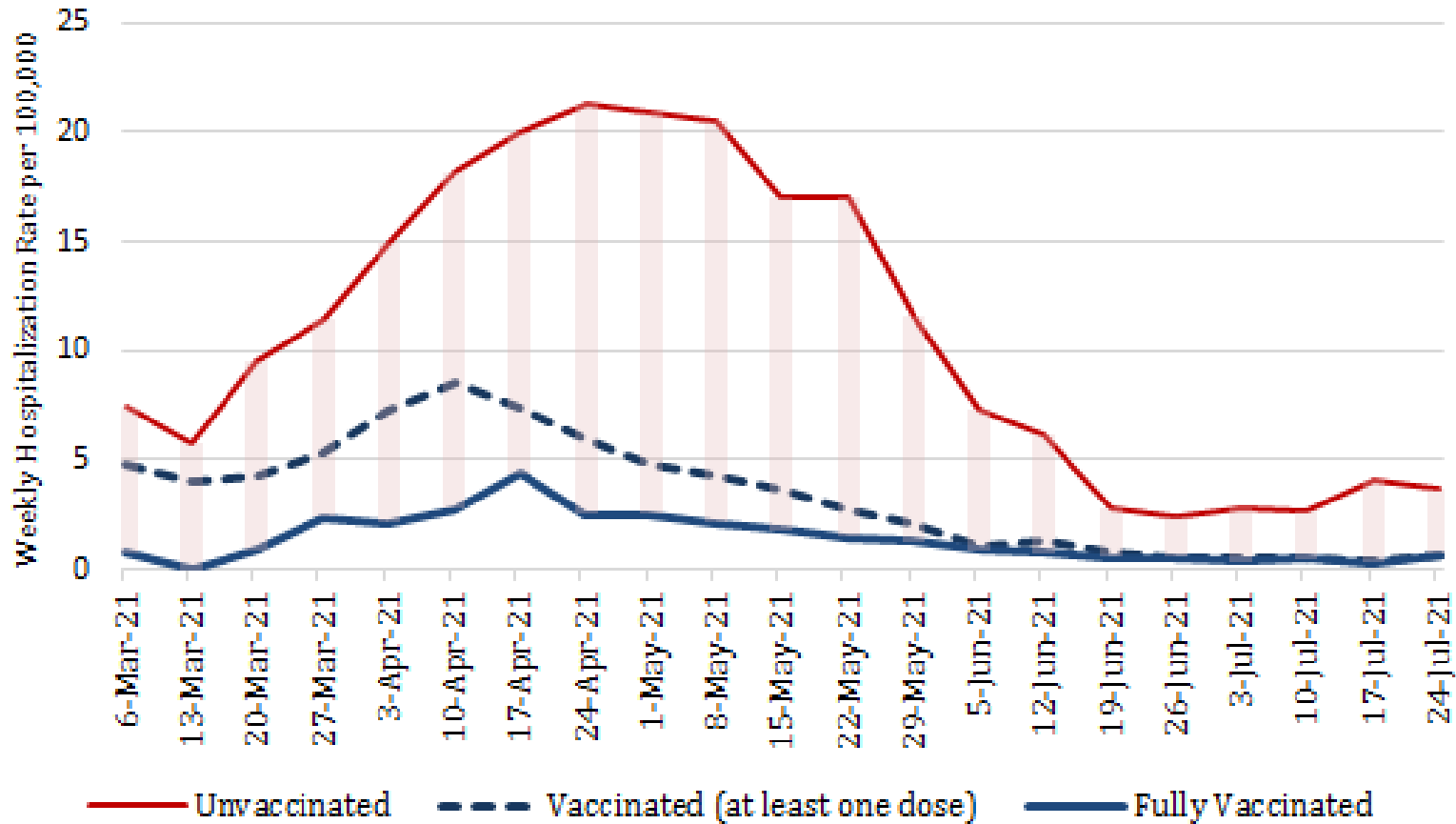


Notes: Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-7/24/2021, pulled 7/27/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry; Vaccinated defined as having had at least one dose **prior to** a positive test. Rate for vaccinated calculated as total cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.

In Chicago, **unvaccinated** people remain much more likely to be hospitalized with COVID-19 than partially or fully vaccinated people



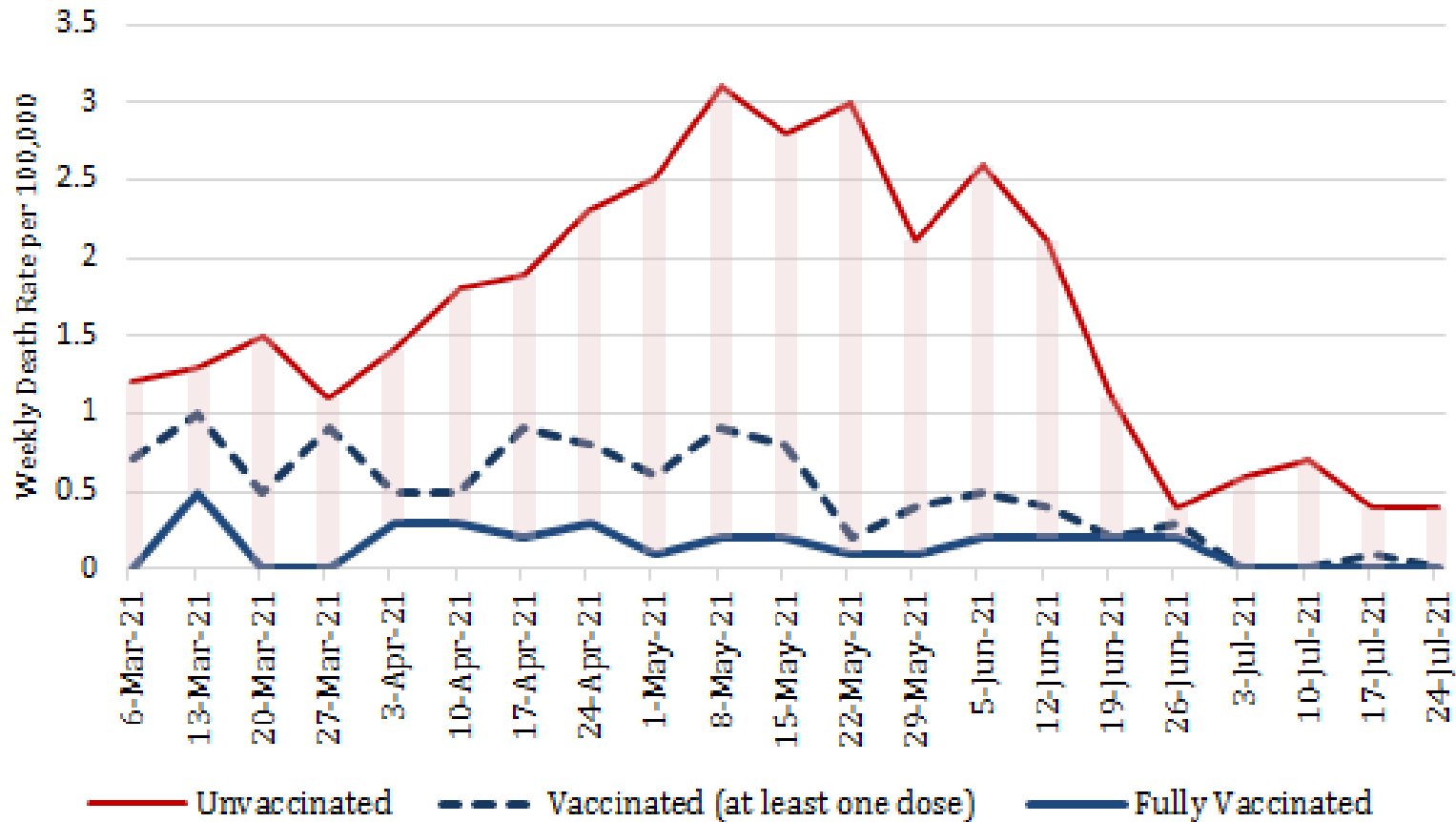
Weekly Hospitalization Rate per 100,000 by Vaccination Status



Notes: Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-7/24/2021, pulled 7/27/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry; Vaccinated defined as having had at least one dose **prior to** a positive test. Rate for vaccinated calculated as total hospitalized cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total hospitalized cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.

In Chicago, **unvaccinated** people remain much more likely to die from COVID-19 than **partially** or **fully vaccinated** people

Weekly Chicago Death Rate per 100,000 by Vaccination Status

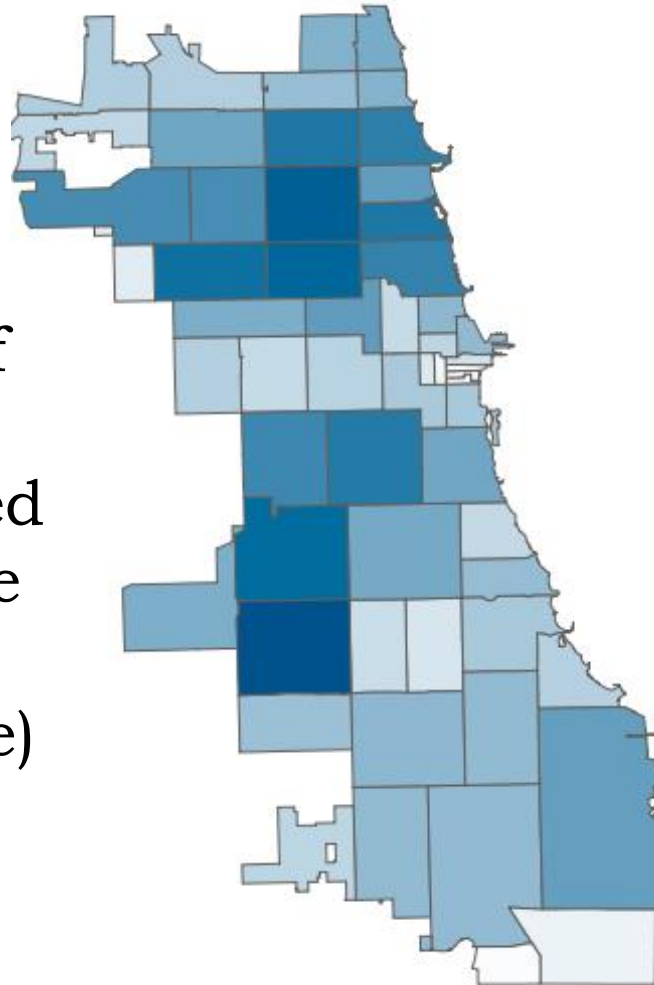


Notes: Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-7/24/2021, pulled 7/27/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry; Vaccinated defined as having had at least one dose **prior to** a positive test. Rate for vaccinated calculated as total cases known to have died divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total cases known to have died divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.

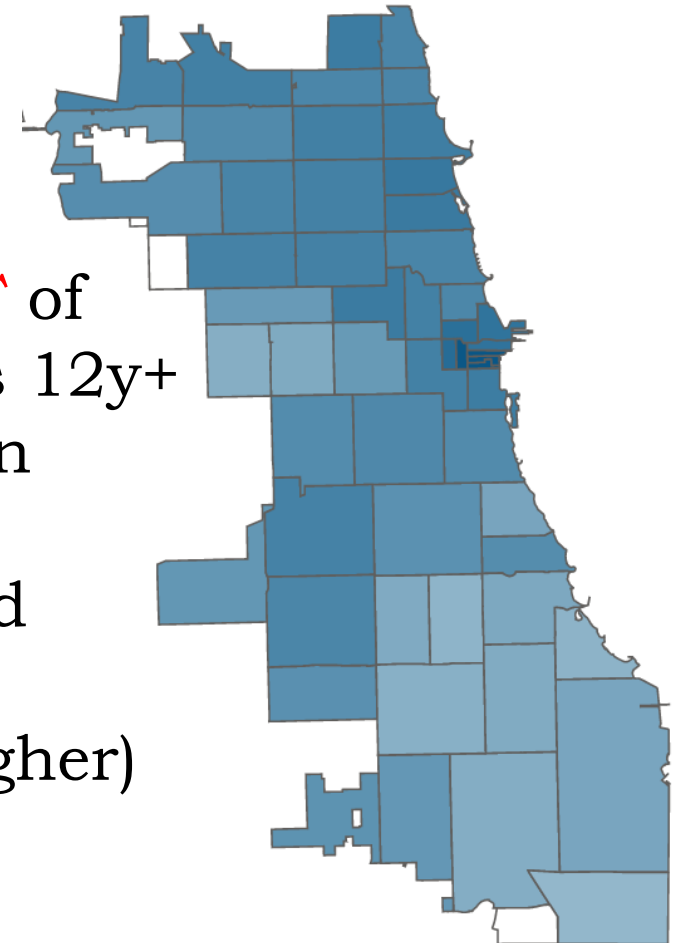
More than **3 million**
COVID-19 vaccines
administered

At least 40% of age-
eligible Chicagoans
(12y+) in every ZIP code
have vaccine

NUMBER of
vaccines
administered
per ZIP code
(darker
shade=more)



PERCENT of
ZIP code's 12y+
population
first-dose
vaccinated
(darker
shade=higher)

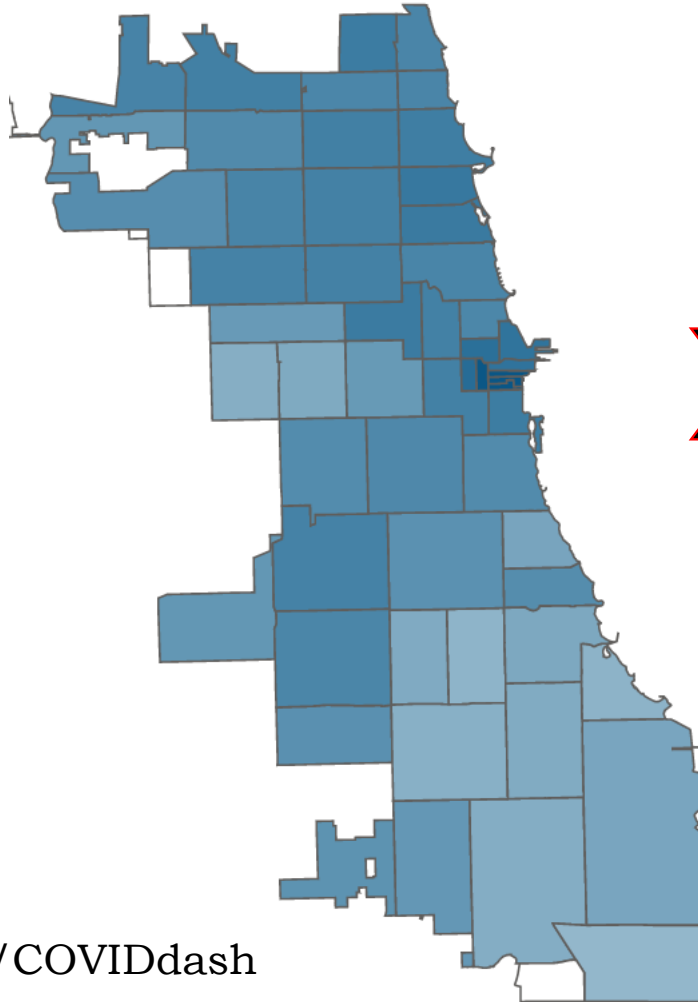


Shaded zip codes: **X** percent of age-eligible Chicagoans 12y+ are vaccinated (first dose)



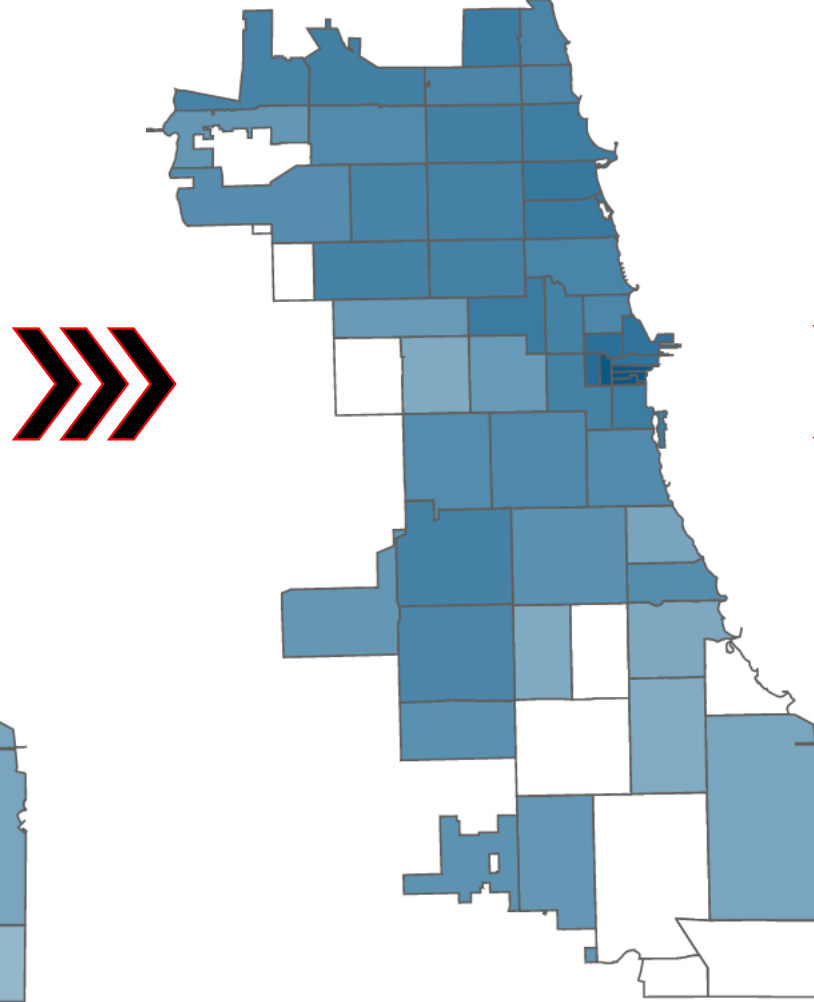
ALL ZIPS:

At least **40% vax**



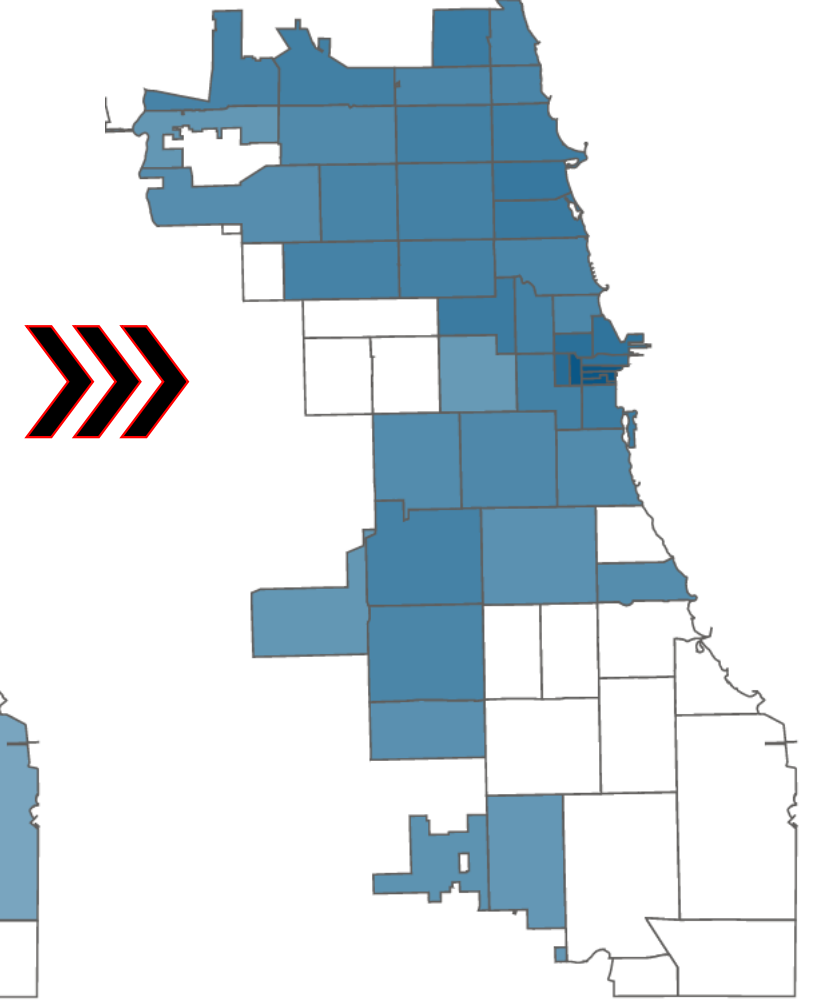
ALL BUT 6 ZIPS:

At least **50% vax**



ALL BUT 13 ZIPS:

At least **60% vax**

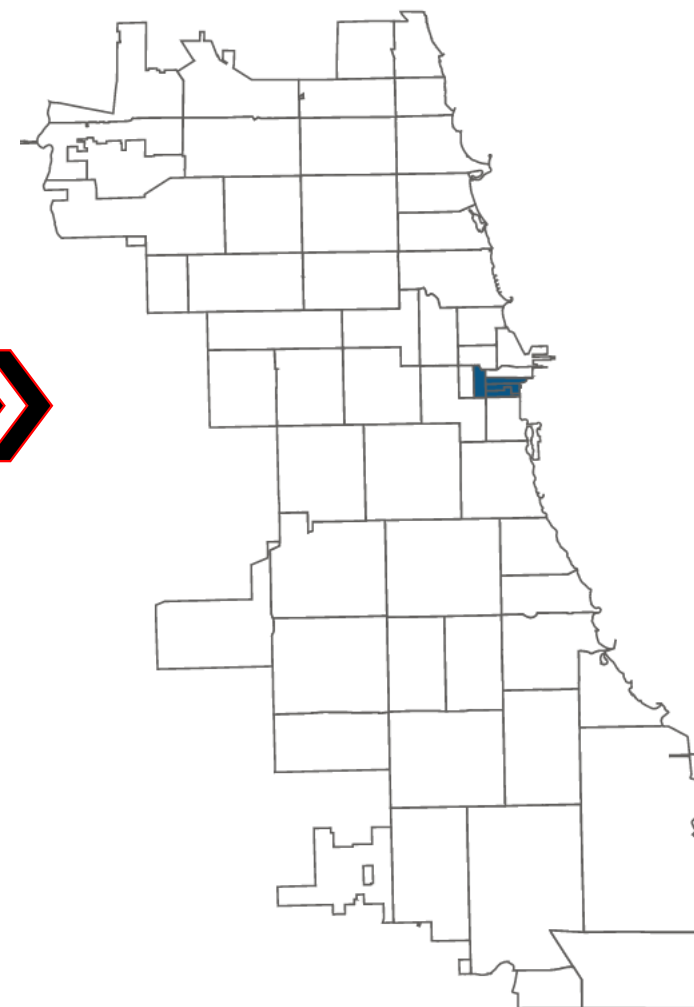
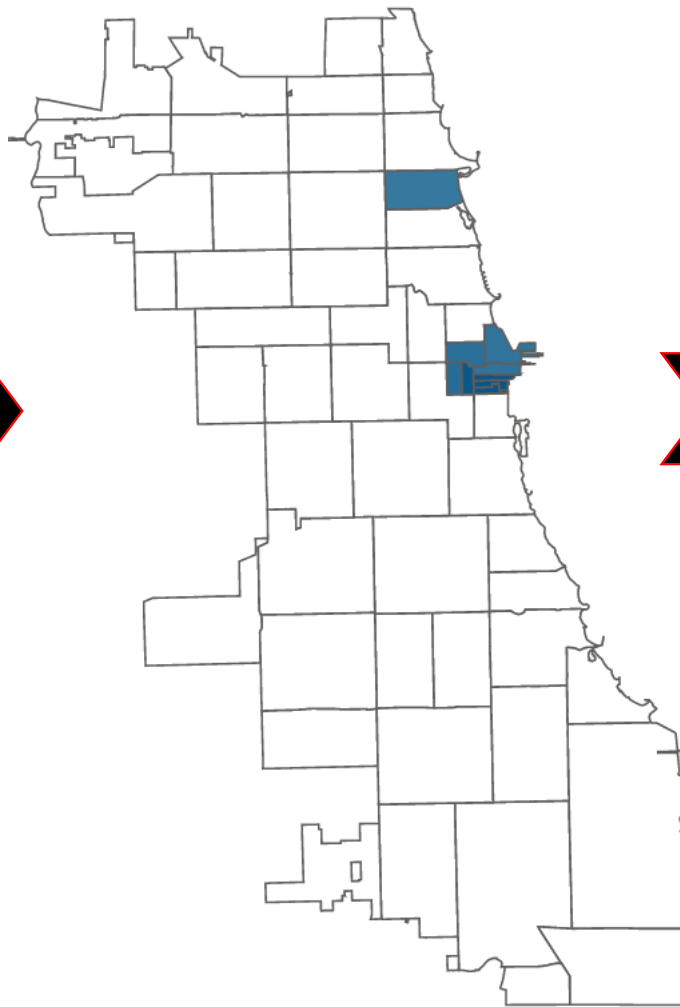
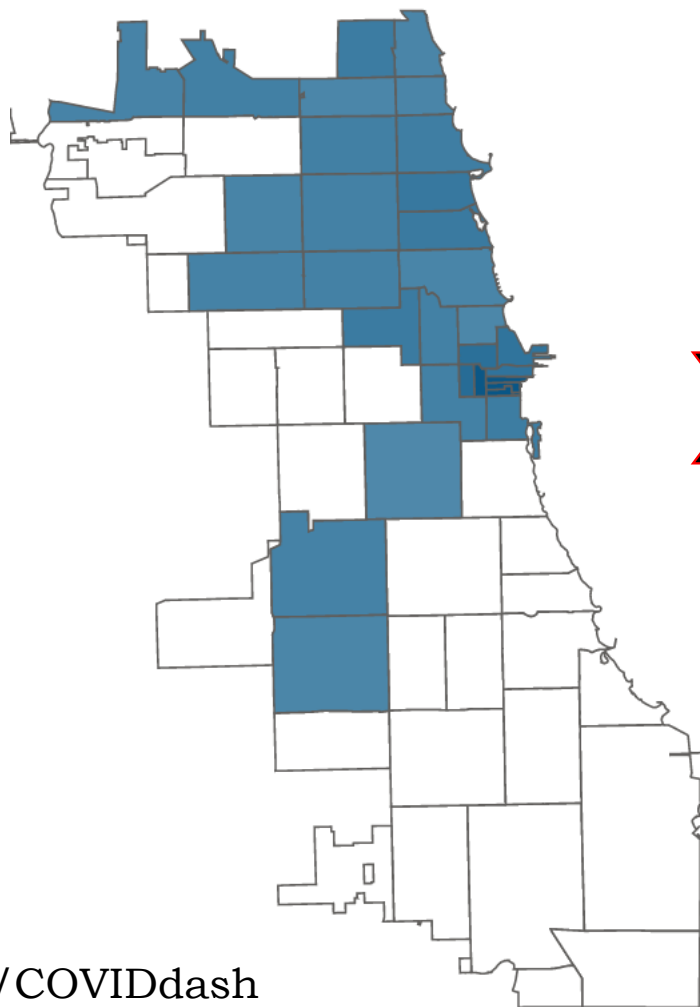


Shaded zip codes: **X** percent of eligible Chicagoans 12y+ are vaccinated (first dose)

At least **70% vax**

At least **80% vax**

At least **90% vax**





Cases

People tested positive

Latest data provided on 3 August 2021

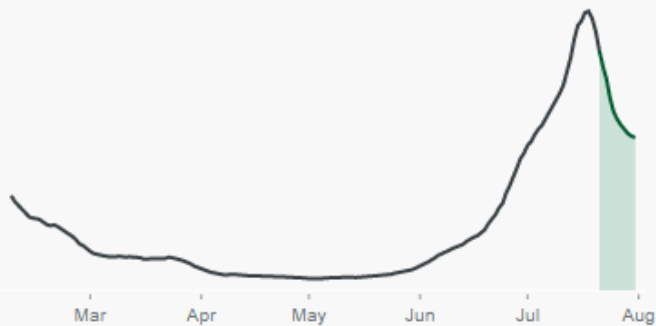
Daily

21,691

Last 7 days

182,730 ↓ -47,098 (-20.5%)

▶ Rate per 100,000 people: **279.5**



Healthcare

Patients admitted

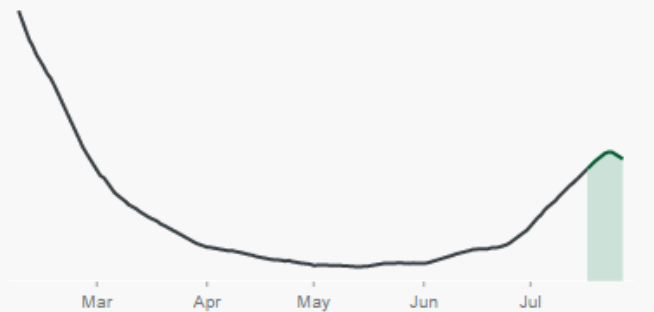
Latest data provided on 30 July 2021

Daily

731

Last 7 days

6,003 ↓ -27 (-0.4%)



Deaths

Deaths within 28 days of positive test

Latest data provided on 3 August 2021

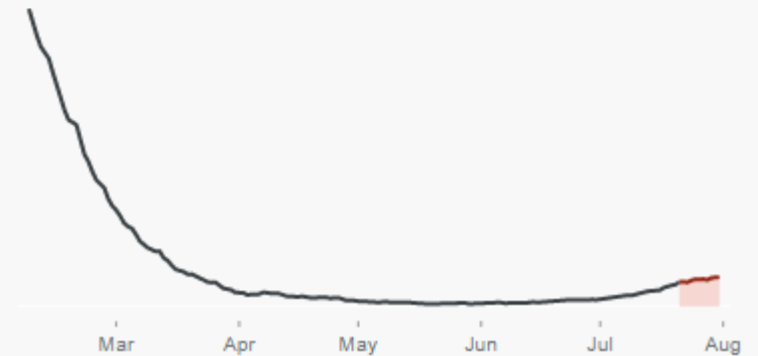
Daily

138

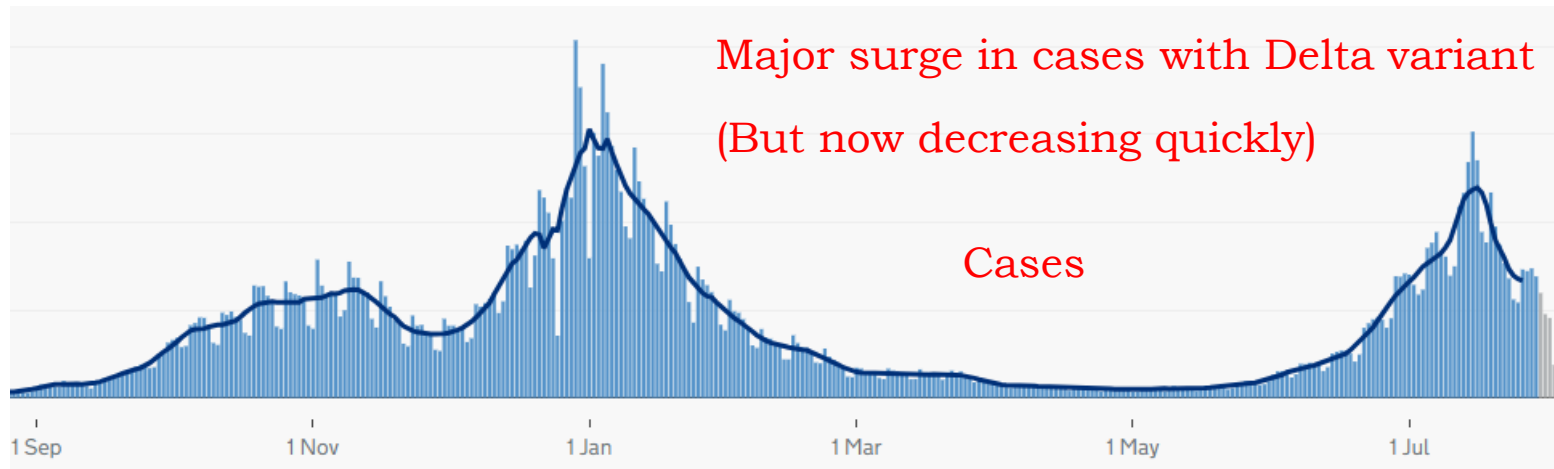
Last 7 days

542 ↑ 62 (12.9%)

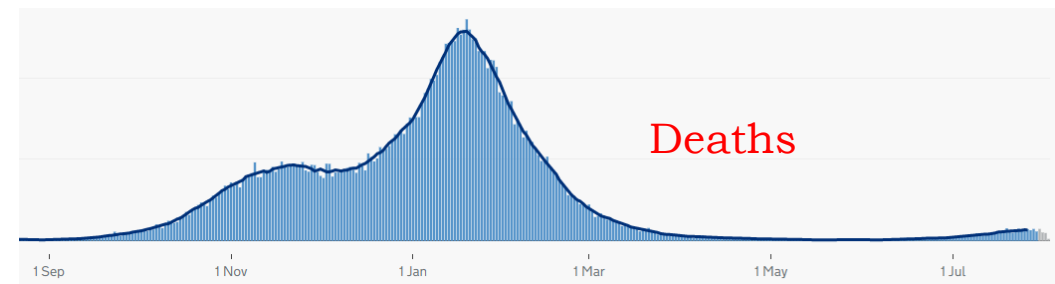
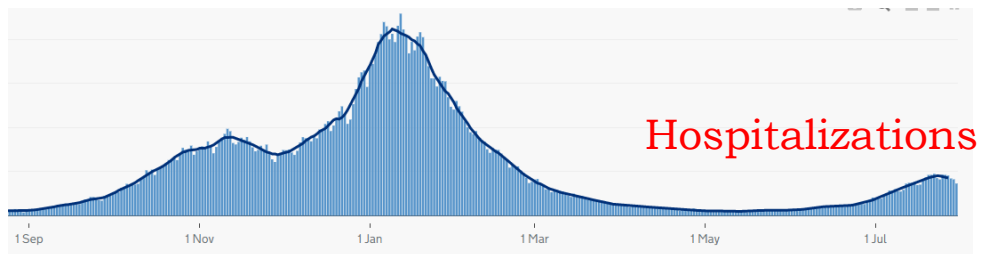
▶ Rate per 100,000 people: **0.7**



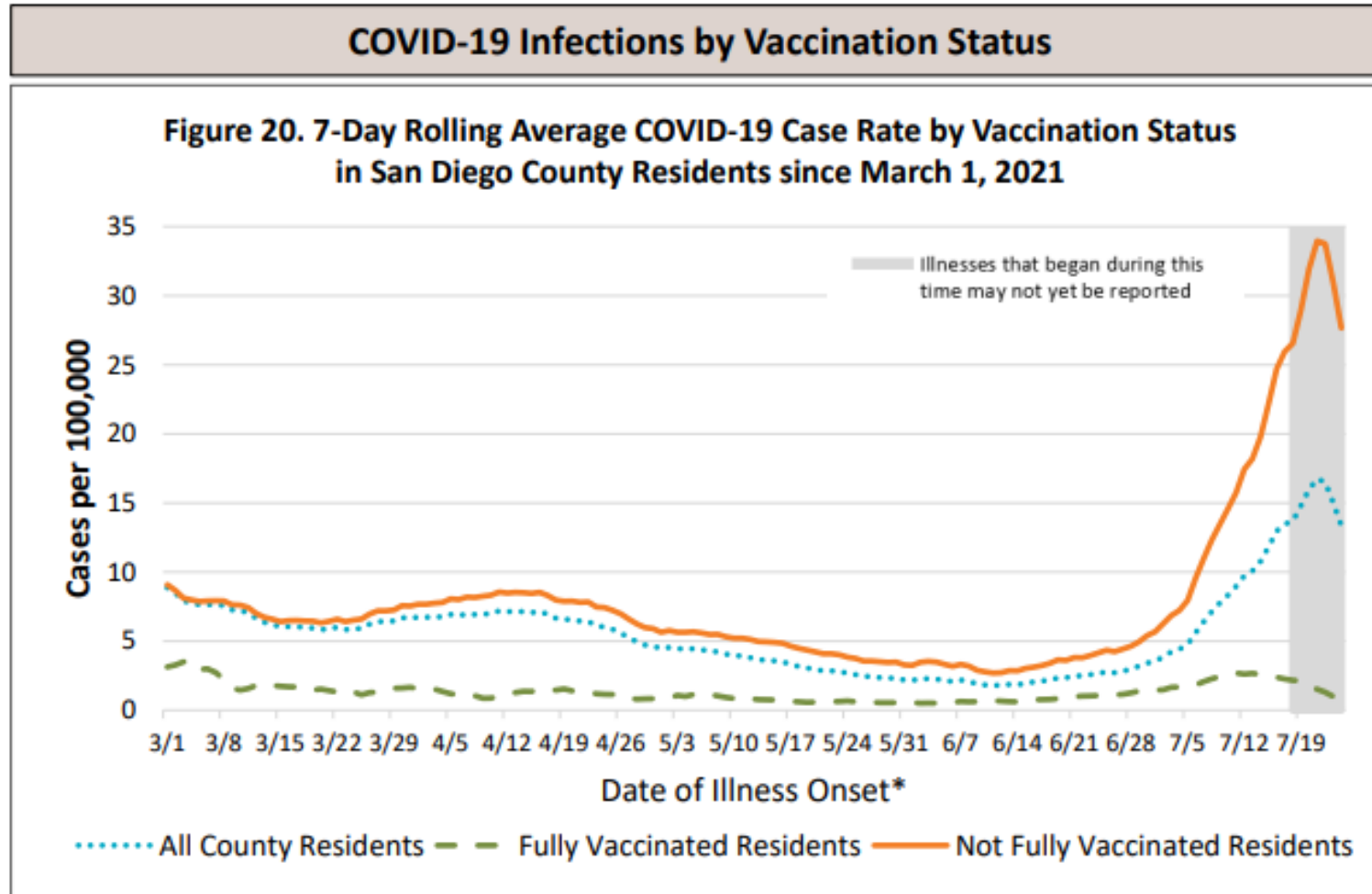
★ International example: United Kingdom



Thanks to vaccine, DRAMATICALLY fewer hospitalizations and deaths (1/15th peak)



U.S. Example: San Diego



NOT FULLY VACCINATED

ALL COUNTY RESIDENTS

FULLY VACCINATED