

City of Easthampton COVID-19 Weekly Dashboard

14-Day* Avg / 100k
8/28 – 9/10

↓ 22.5

7-Day** Avg /100k
9/4 – 9/10

↓ 15.9

7-Day** Test Positivity
9/4 – 9/10

↓ 4.9%

14-Day* Test Positivity
8/28 – 9/10

↓ 8.4%

New Cases Last Week**
9/7 – 9/13

↑ 35

Active Cases***
9/4 – 9/15

↑ 55

Hampshire County



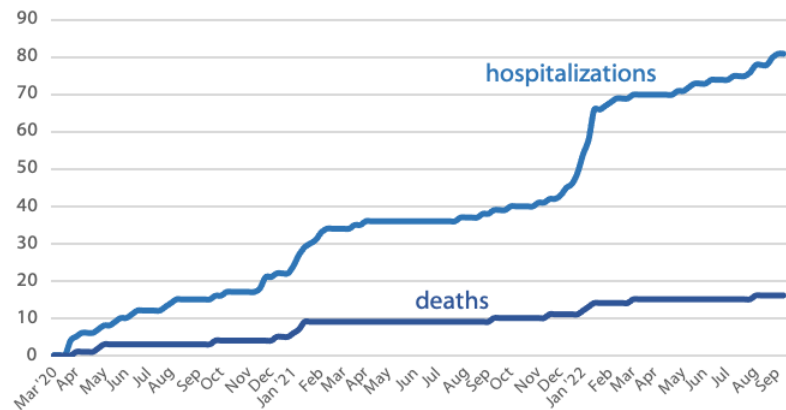
Daily Avg: 16.4/100k
Test Positivity 5.6%

Hampden County



Daily Avg: 21.8/100k
Test Positivity: 9.7%

Cumulative COVID-19 Hospitalizations and Deaths in Easthampton



Source: Massachusetts Virtual Epidemiologic Network (MAVEN).

City and County data are obtained from MDPH and MAVEN and generally believed to be current and accurate. *Includes confirmed cases (positive PCR test). **Includes confirmed cases and probable cases (positive antigen or antibody test, or clinically diagnosed based on symptoms and exposure, in the absence of a positive test result). ***Active cases are considered potentially infectious and are subject to public health isolation for at least five days. †Prime series considered two doses of Pfizer or Moderna, or one dose of Johnson & Johnson.

Updated 9/15/22

56.3% prime series† + booster(s)

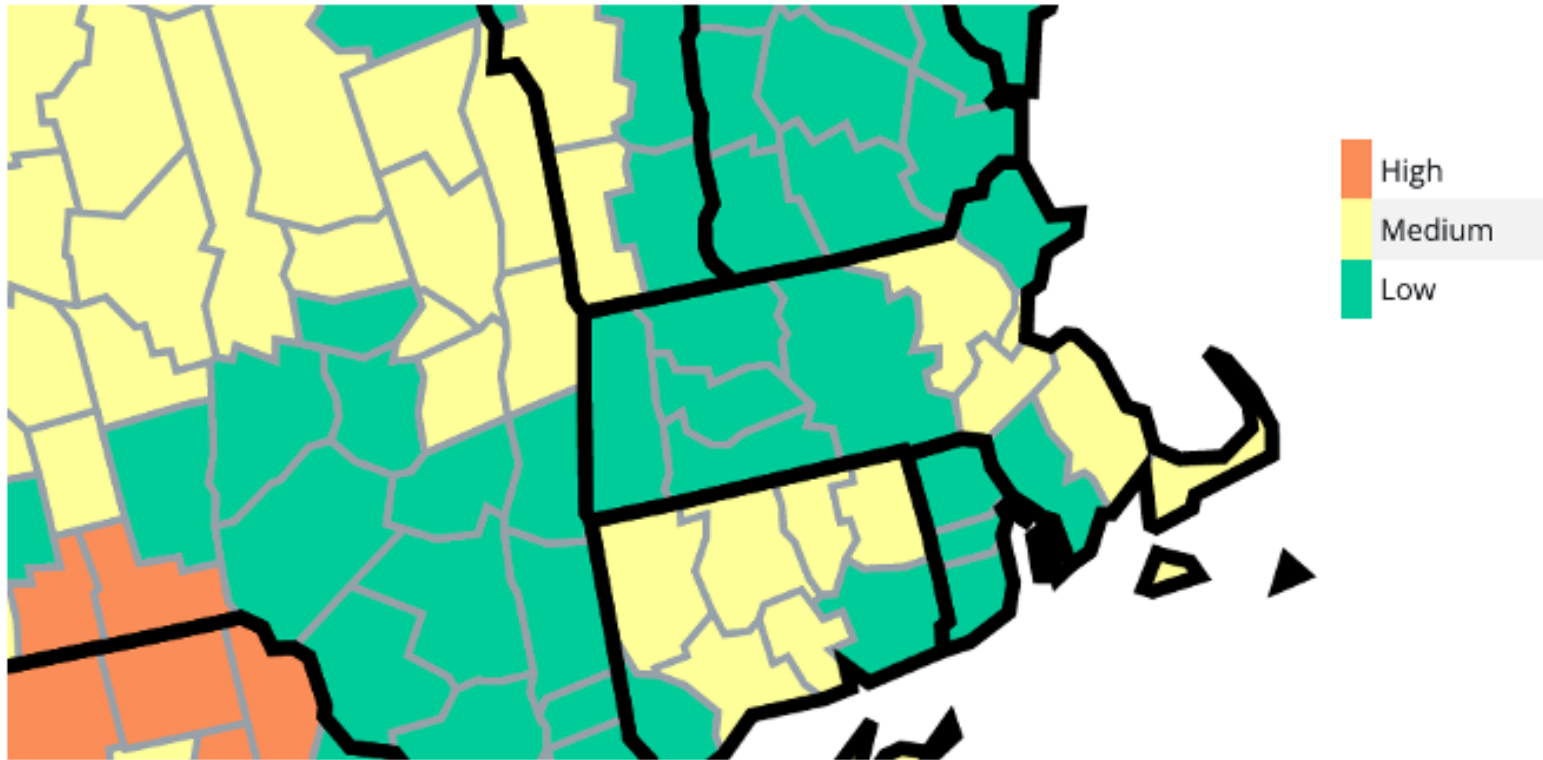
82.5% prime series†

Total Cases to Date

4106

	Low	Medium	High
<28.6 cases per 100k			
New COVID hospitalizations	<10 per 100k	10-20 per 100k	>20 per 100k
Hospital beds occupied	<10%	10 – 15%	>15%
>28.6 cases per 100k			
New COVID hospitalizations	-	<10 per 100k	>10 per 100k
Hospital beds occupied	-	<10%	>10%

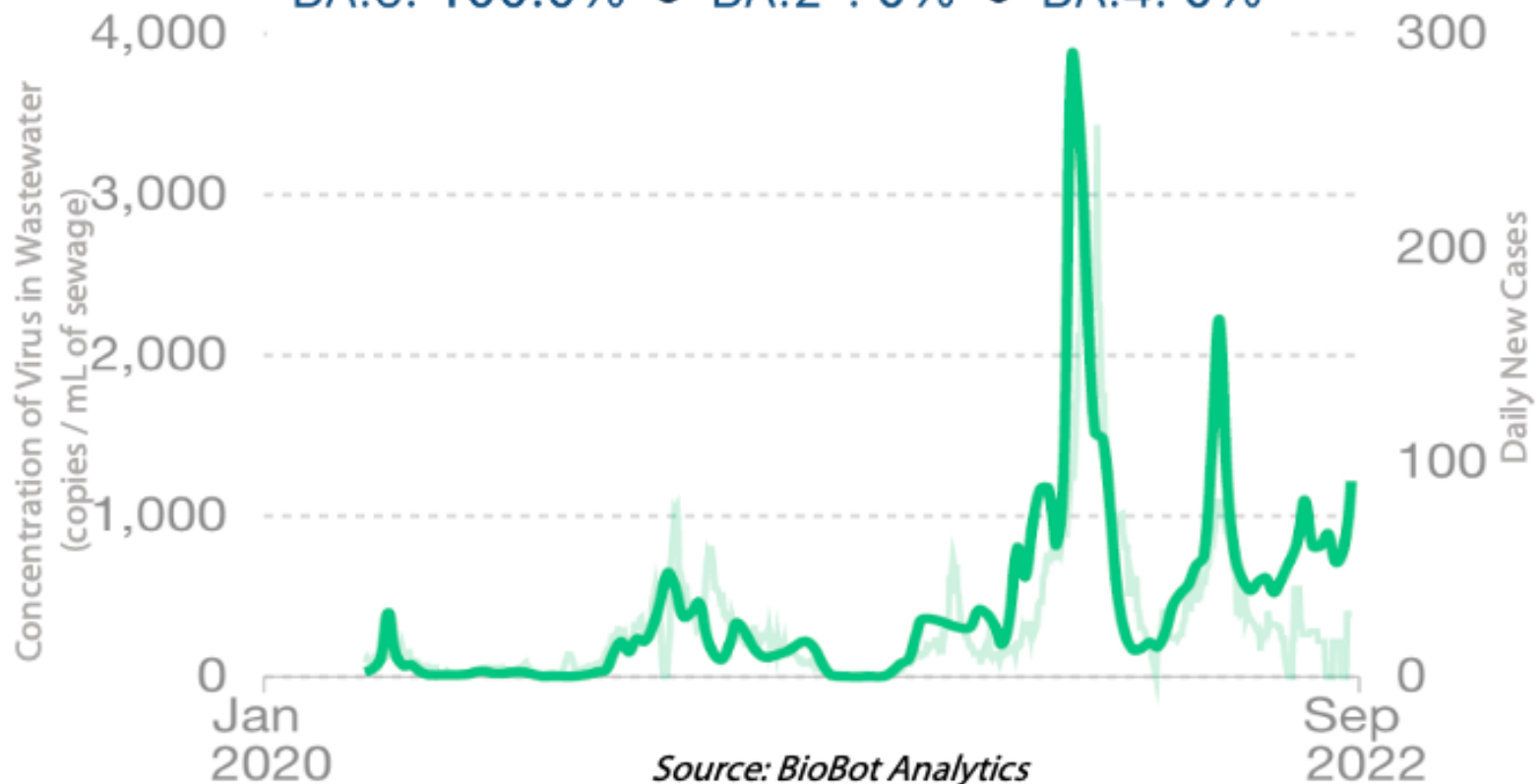
CDC "County Risk" Levels



Source: Centers for Disease Control and Prevention COVID-19 Integrated County View

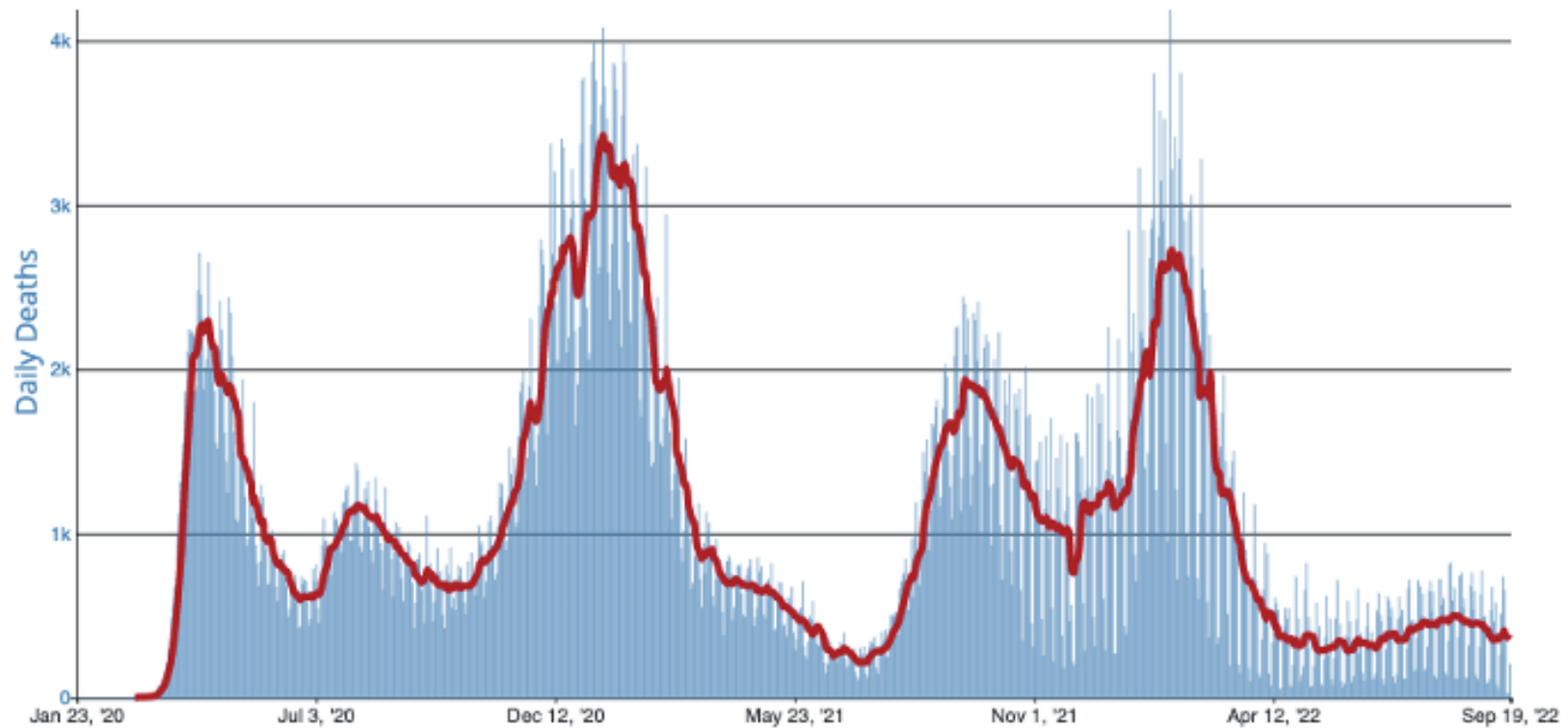
Hampshire County Wastewater Surveillance Data

BA.5: 100.0% ● BA.2*: 0% ● BA.4: 0%



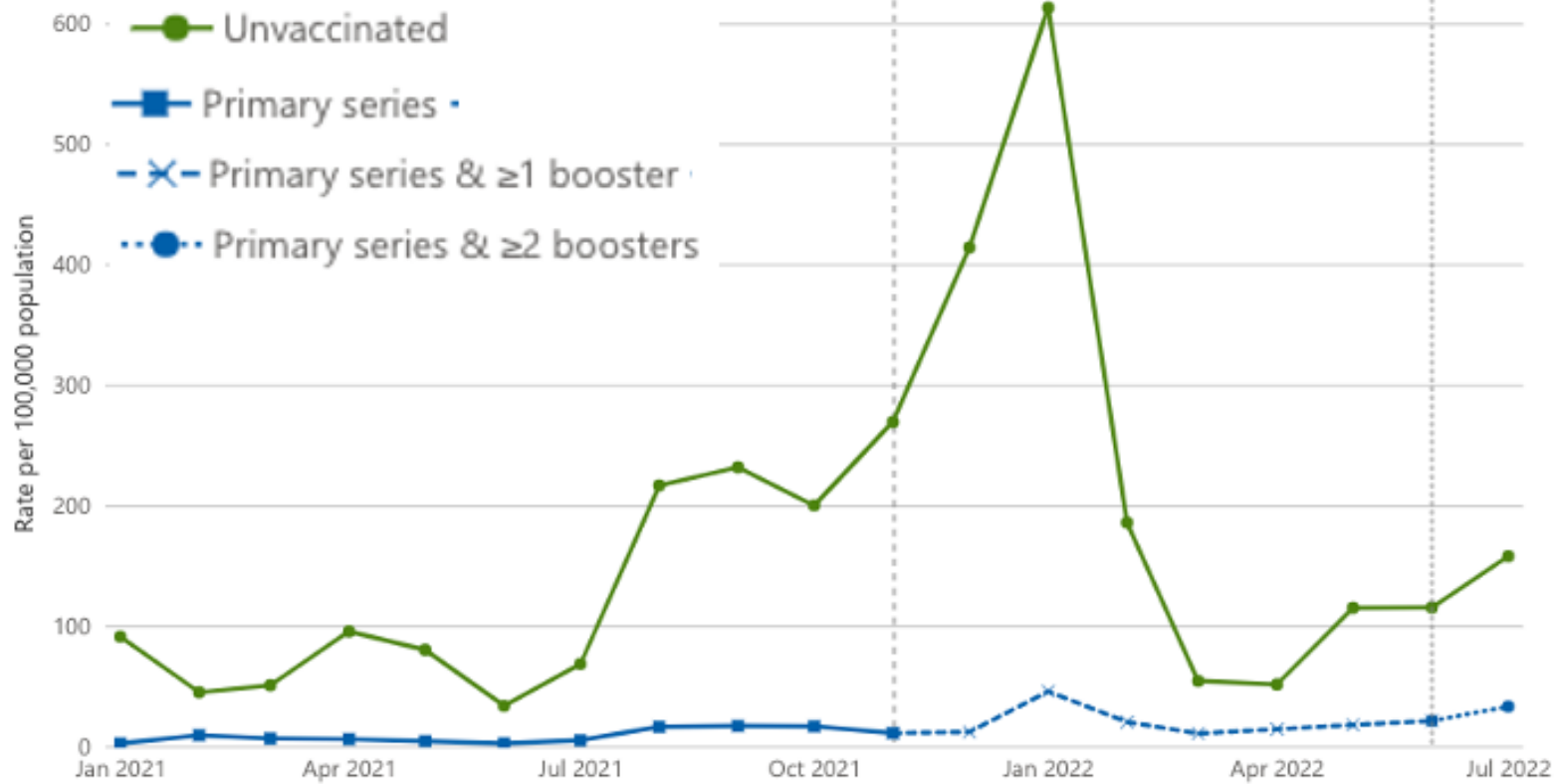
Source: BioBot Analytics

Daily COVID-19 Deaths in the United States



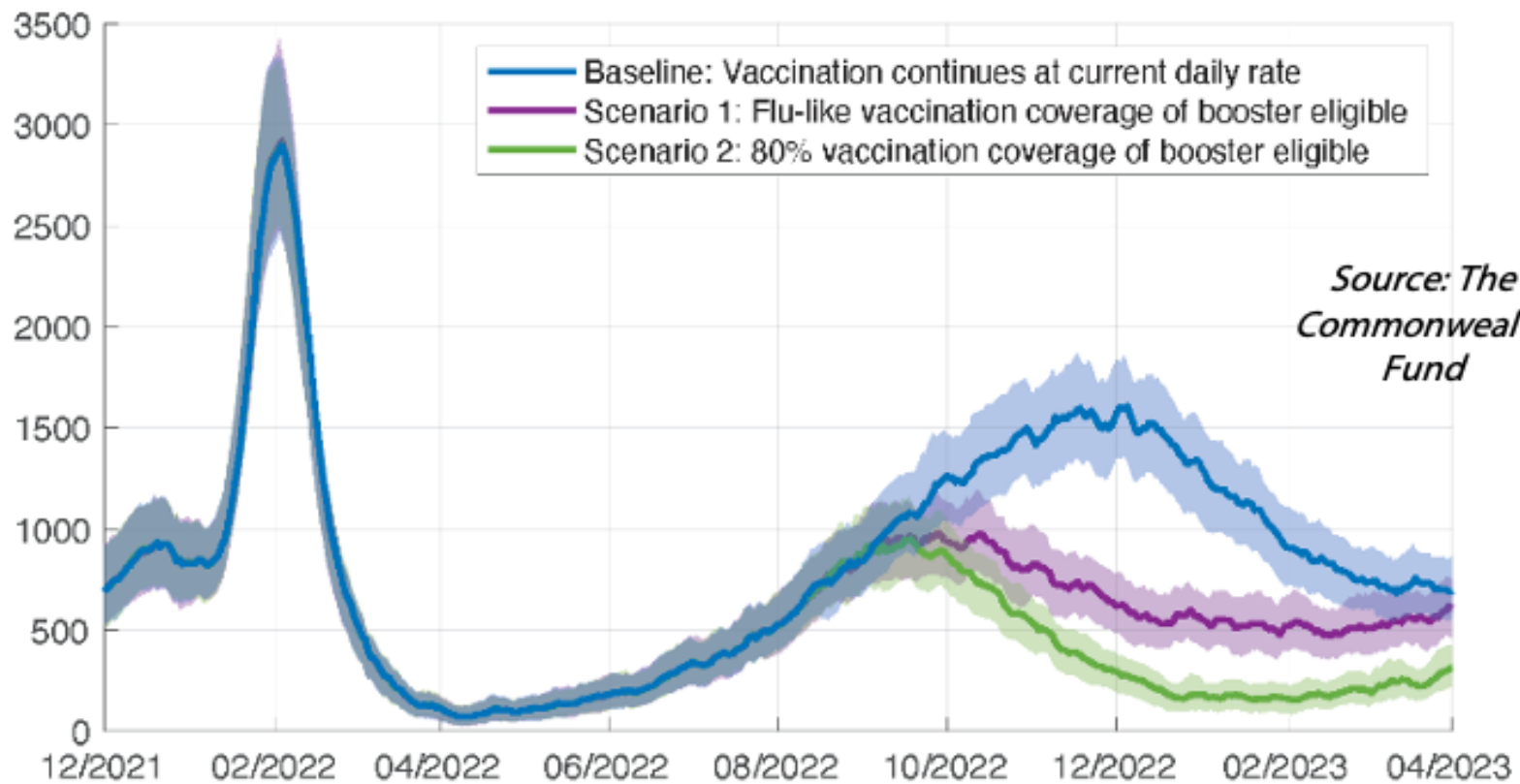
Source: Centers for Disease Control and Prevention

Risk of Hospitalization by Vaccination Status



Source: Centers for Disease Control and Prevention

The Lifesaving Potential of the Omicron-Specific Booster projected deaths in 3 vaccination scenarios

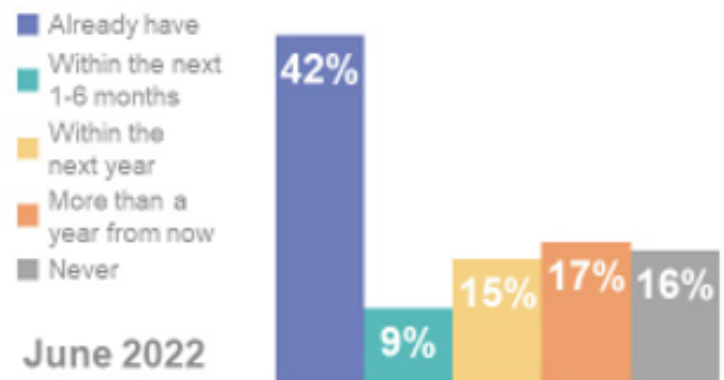


*Source: The
Commonwealth
Fund*

Americans are “living in different pandemic worlds”

Results from the latest – and, tellingly, last – Axios COVID-19 Survey indicate that just less than 50% of Americans are “back to normal” but that about 30% of Americans feel left behind.

When do you expect to be able to return to your normal, pre-COVID life?



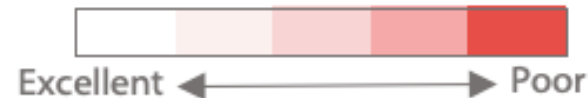
How concerned are you, if at all, about the coronavirus or COVID-19 outbreak?



Source: Axios-Ipsos COVID-19 Index Report

BA.2.75.2 Evades Immunity and Treatment

Ability to neutralize Omicron sub-variants:



monoclonal antibodies

IC50 (ng/ml)	B.1	BA.5	BA.4.6	BA.2.10.4	BA.2.75.2
S309 (sotrovimab)	119	559	925	560	442
Cilgavimab	12	71	>1000	168	>1000
Tixagevimab	4	>1000	>1000	>1000	>1000
Evusheld	6	120	>1000	816	>1000
LY-CoV1404 (bebtelovimab)	4	1	2	3	2
REGN10933 (casirivimab)	14	>1000	>1000	>1000	>1000
REGN10987 (imdevimab)	10	>1000	>1000	>1000	>1000
LY-CoV016 (etesevimab)	29	>1000	>1000	>1000	>1000
LY-CoV555 (bamlanivimab)	9	>1000	>1000	>1000	>1000

Source: Sheward et. al. (2022) Structural basis of Omicron neutralization by affinity-matured public antibodies. bioRxiv preprint, and co-author Ben Murrell's twitter feed explanation