



THE WHITE HOUSE
WASHINGTON

COVID-19 Press Briefing

April 7, 2021



Daily Change in COVID-19 Cases, US

January 22, 2020 – April 5, 2021

TOTAL Cases Reported Since 1/22/20

30,596,830

NEW Cases Reported to CDC on 4/5/21

62,878

Change in 7-Day Case Average

+2.3%

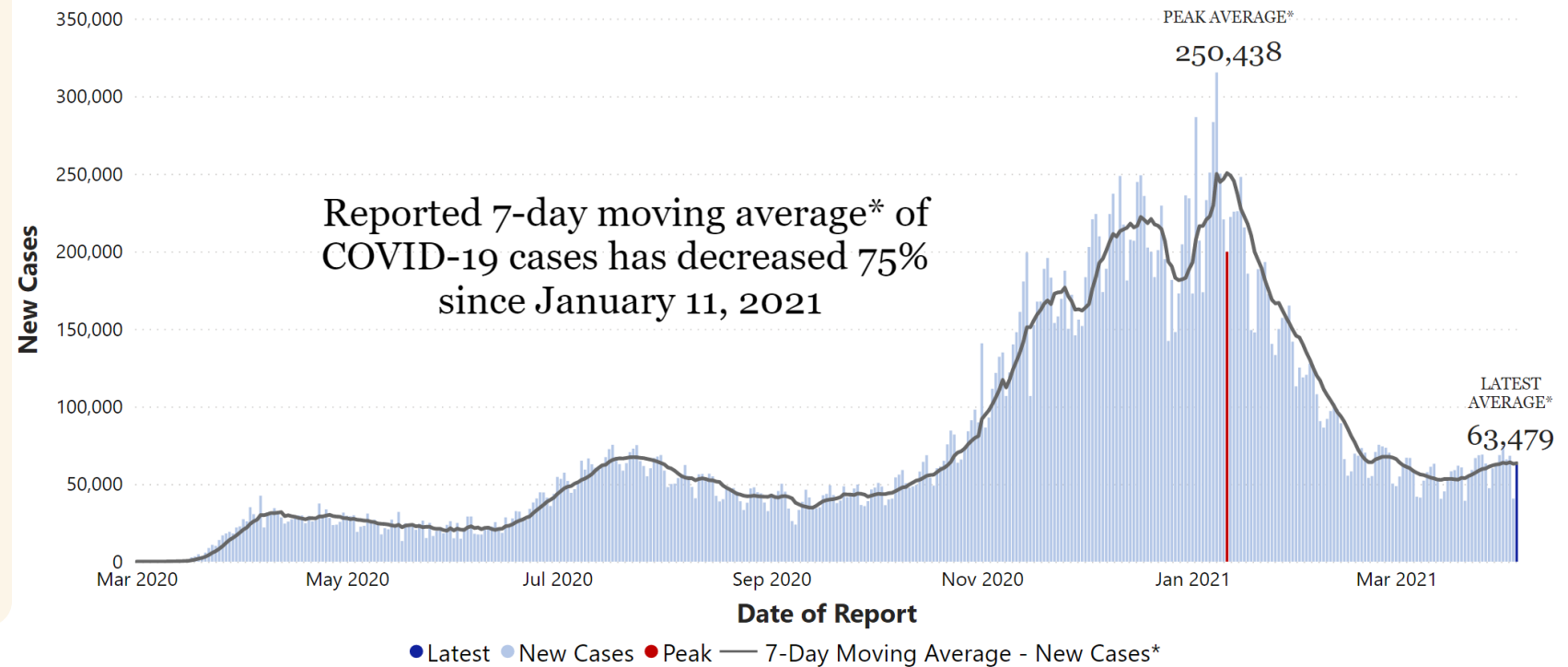
Current 7-Day Case Average (3/30/21 - 4/5/21)

63,479

Prior 7-Day Case Average (3/23/21 - 3/29/21)

62,058

Peaks in New Cases and Highest 7-Day Moving Average		
	Highest Daily Number of New Cases	Highest 7-Day Moving Average
Current	315,323 (1/8/21)	250,438 (1/11/21)
2nd Peak	75,335 (7/17/20)	67,358 (7/23/20)
1st Peak	42,536 (4/6/20)	31,952 (4/12/20)



*7-day averages exclude historical cases reported retroactively by states



New Admissions of Patients with Confirmed COVID-19

August 1, 2020 – April 4, 2021

Patients Currently Hospitalized with COVID on 4/4/21

33,901

New Admissions on 4/4/21

4,853

Peak in New Admissions (1/5/21)

17,988

Change in 7-Day Average of New Admissions

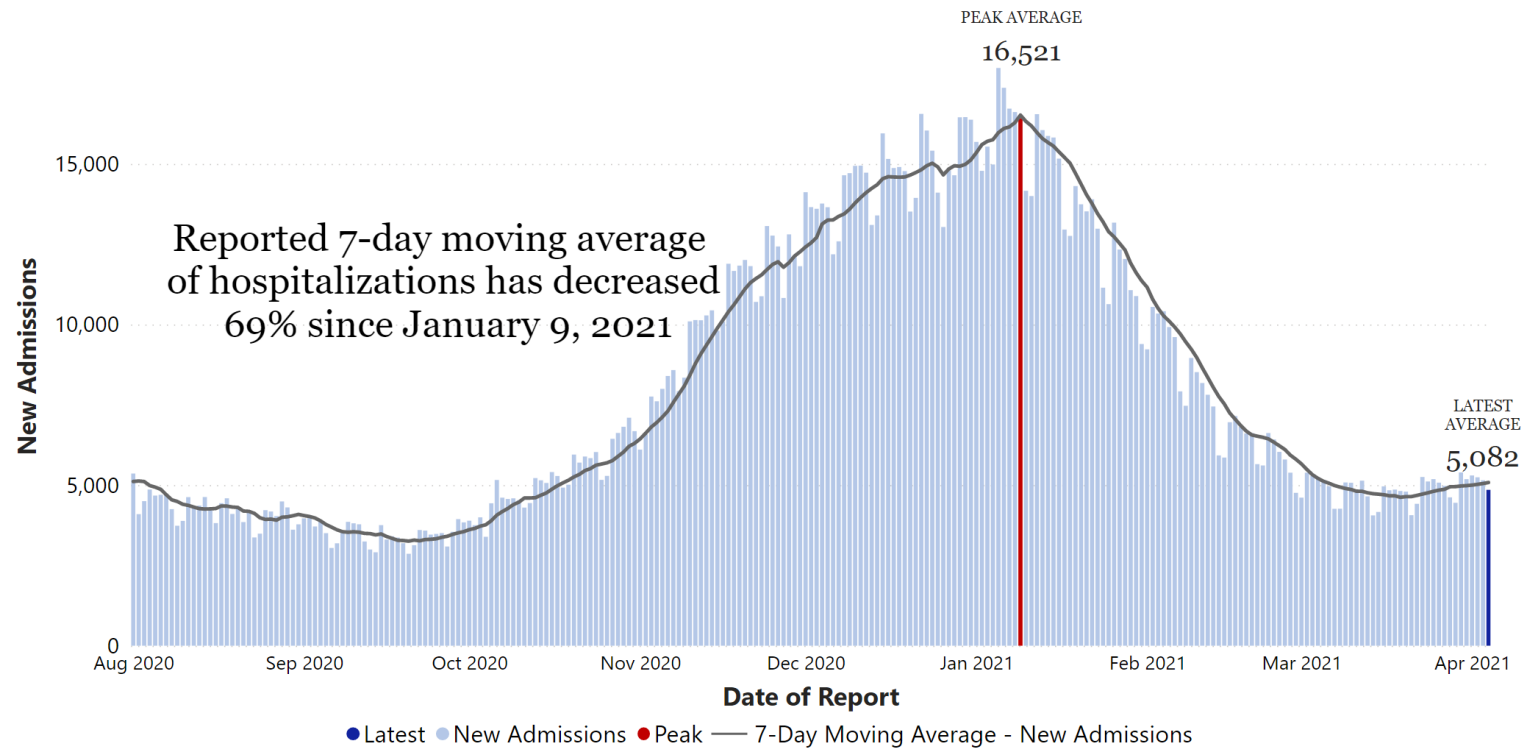
+2.7%

Current 7-Day Average of New Admissions (3/29/21 - 4/4/21)

5,082

Prior 7-Day Average of New Admissions (3/22/21 - 3/28/21)

4,949



Daily Change in COVID-19 Deaths, United States

January 22, 2020 – April 5, 2021

TOTAL Deaths Reported Since 1/22/2020

554,420

NEW Deaths Reported to CDC on 4/5/21

353

Change in 7-Day Death Average

-19.7%

Current 7-Day Death Average (3/30/21 - 4/5/21)

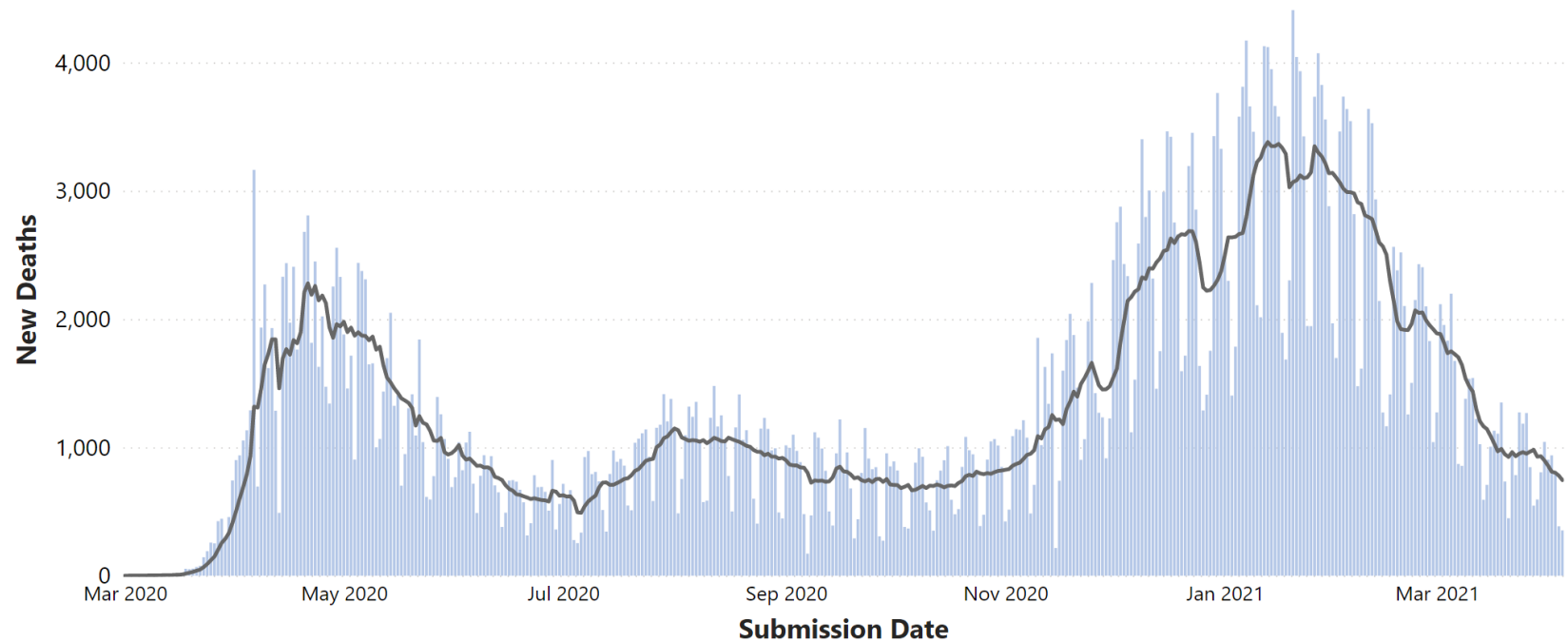
745

Prior 7-Day Death Average (3/23/21 - 3/29/21)

928

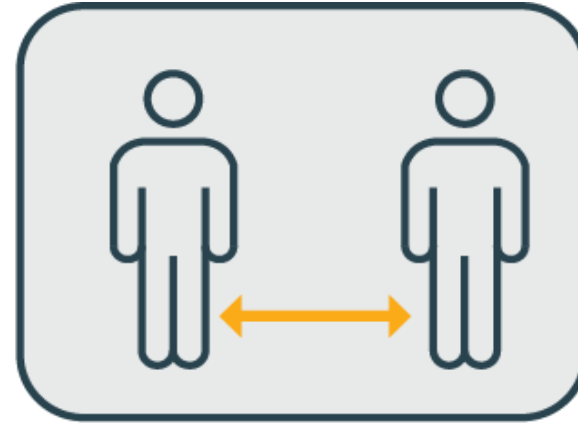
Forecasted Total Deaths by 4/24/21

565,000 to 585,000





WEAR A MASK



STAY 6 FEET APART



AVOID CROWDS



AVOID TRAVEL

COVID 19: Duration of Immunity

- **Natural infection**
- **Post-vaccination**



COVID 19: Duration of Immunity

■ Natural infection

■ Post-vaccination



Multiple Immune Memory Responses to SARS-CoV-2 Infection Persist for Months



Immunological Memory to SARS-CoV-2 Assessed for Up to 8 Months After Infection

JM Dan, S Crotty et al.

- Substantial immune memory generated after COVID-19 infection involving all four major types of immune memory (B cells, antibodies, CD4+ T cells, CD8+ T cells)
- About 95% of subjects retained immune memory at ~6 months after infection

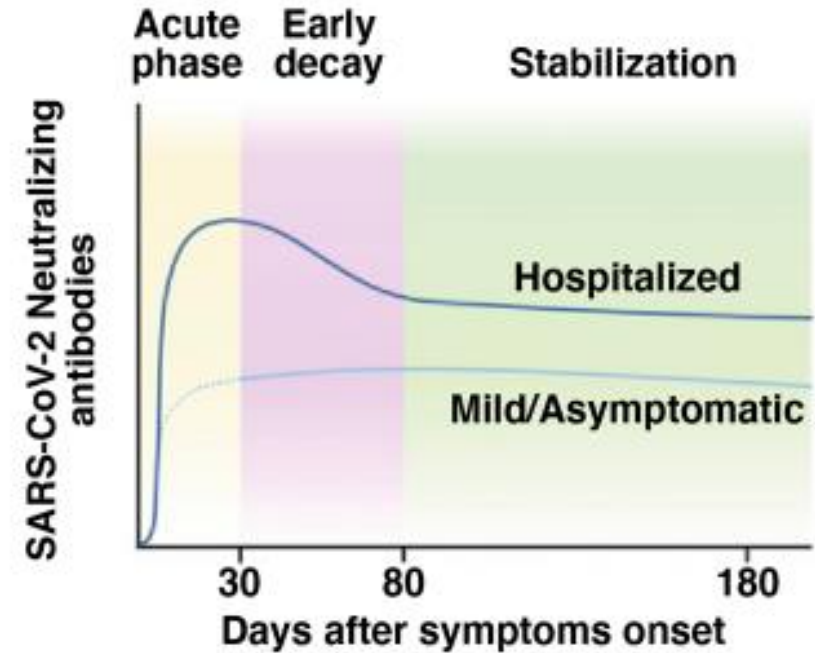
Med

March 12, 2021
Volume 2, Number 3

Stable Neutralizing Antibody Levels 6 Months After Mild and Severe COVID-19 Episodes

E Pradenas, J Blanco et al.

CellPress



COVID 19: Duration of Immunity

■ **Natural infection**

■ **Post-vaccination**





The
New England
Journal of Medicine

Established in 1812 as THE NEW ENGLAND JOURNAL OF MEDICINE AND SURGERY

April 6, 2021

Antibody Persistence through 6 Months after the Second Dose of mRNA-1273 Vaccine for COVID-19

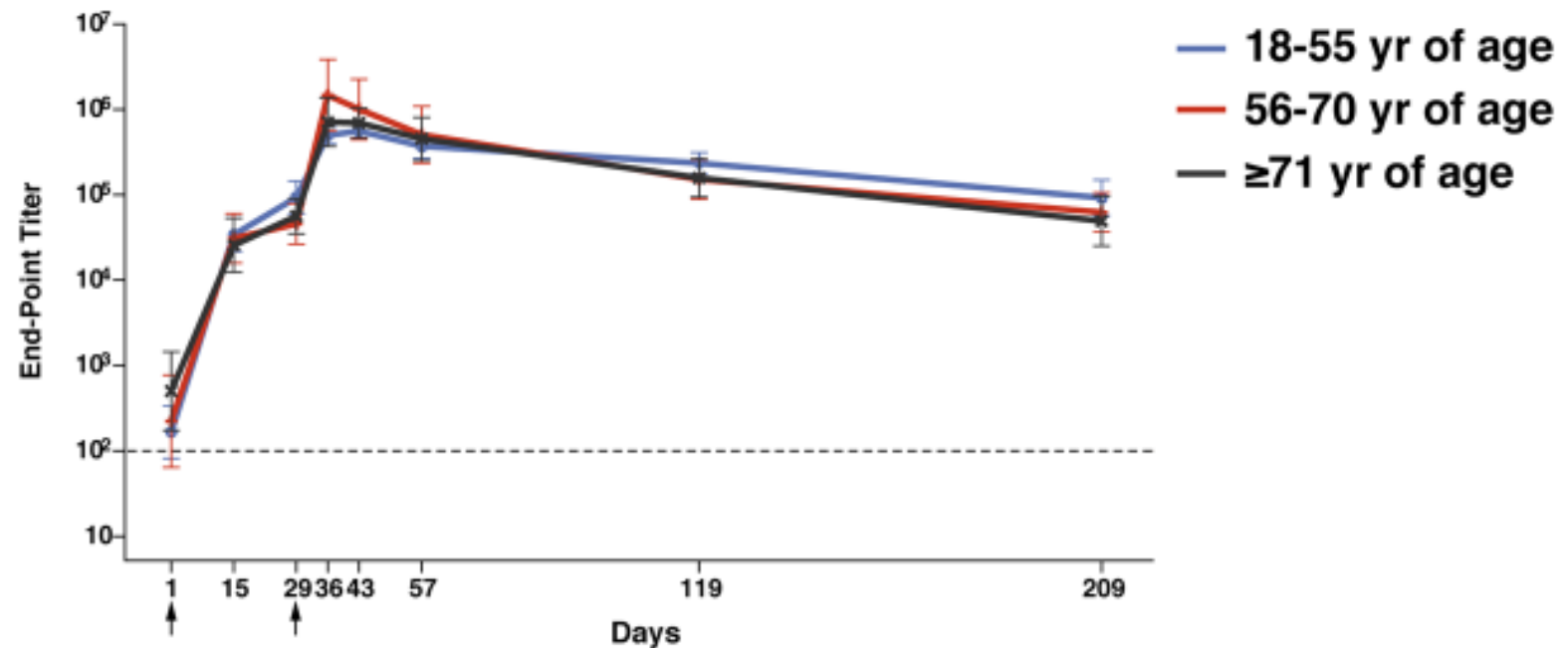
N Doria-Rose, MS Suthar et al. for the mRNA-1273 Study Group

- **Binding and neutralizing antibodies in 33 healthy adult participants assessed at 180 days after the second 100 µg dose of Moderna vaccine mRNA-1273 -- i.e. day 209**
- **Antibody activity remained high in all age groups at day 209 according to 3 different serologic assays**



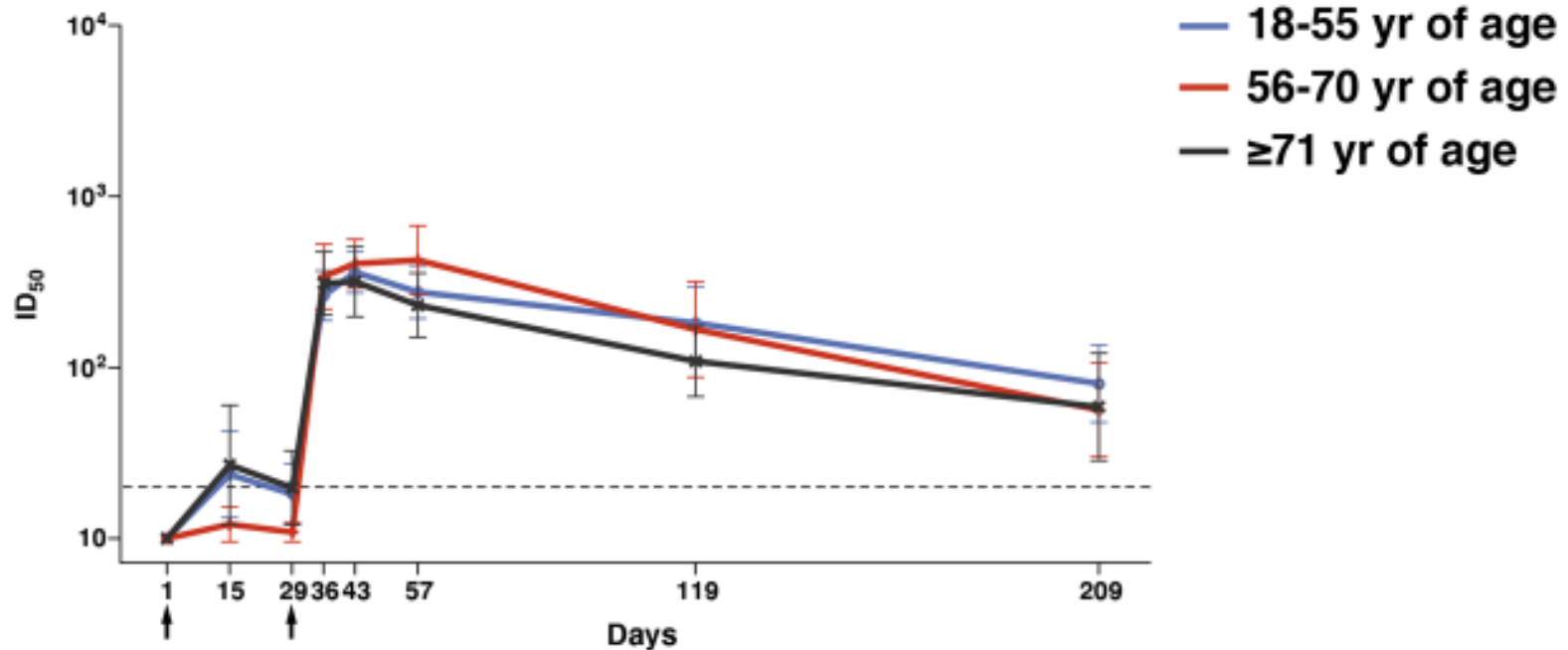
Time Course of SARS-CoV-2 Antibody Binding and Neutralization Responses after mRNA-1273 Vaccination

- **Binding antibodies**, measured with enzyme-linked immunosorbent assay (ELISA) against SARS-CoV-2 spike receptor-binding domain. Note increase **with 2nd dose.**



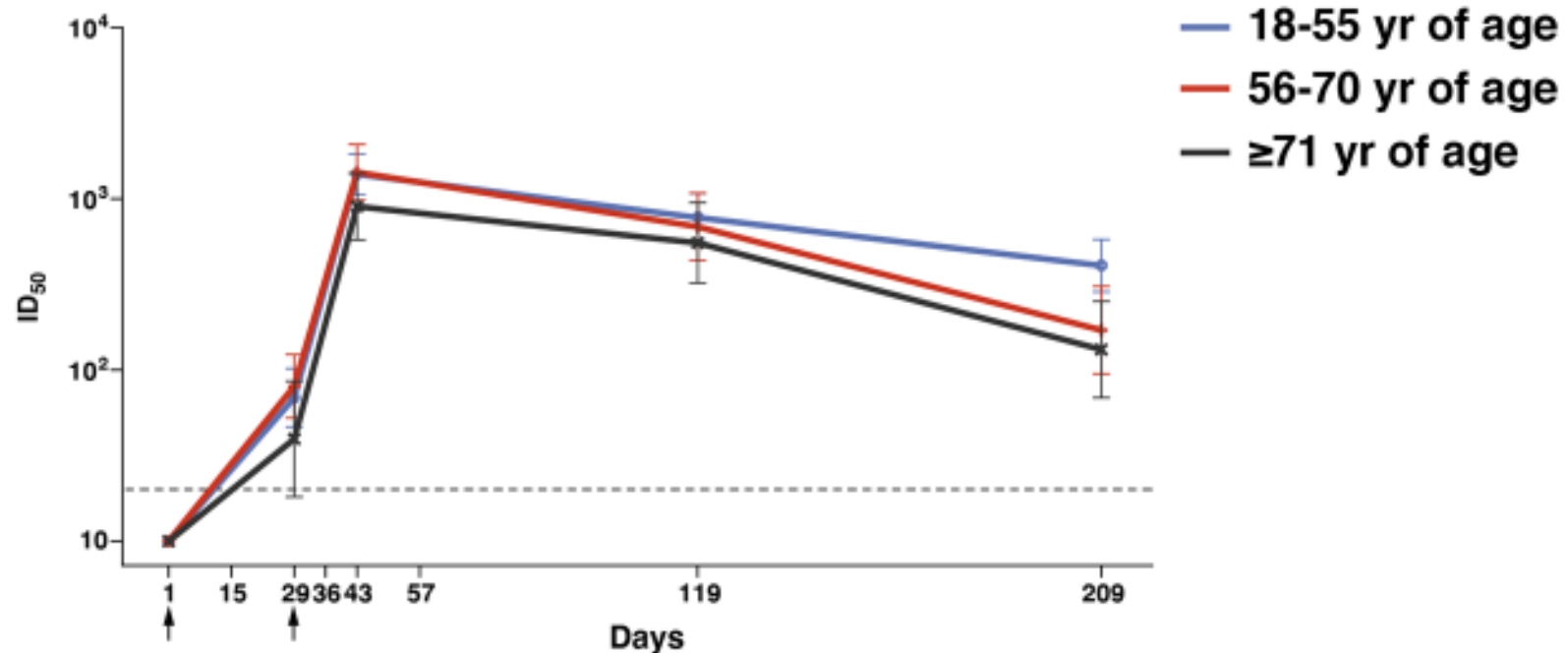
Time Course of SARS-CoV-2 Antibody Binding and Neutralization Responses after mRNA-1273 Vaccination

■ Pseudovirus neutralization assay. Note increase with 2nd dose.



Time Course of SARS-CoV-2 Antibody Binding and Neutralization Responses after mRNA-1273 Vaccination

■ Live-virus neutralization assay. Note increase with 2nd dose.



Conclusions

- **Although the precise correlates of immunity remain to be determined, antibodies elicited by mRNA-1273 persisted through 6 months after the second dose**
- **Ongoing studies are monitoring immune responses beyond 6 months as well as determining the effect of a booster dose to extend the duration and breadth of activity against emerging viral variants**





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