



THE WHITE HOUSE
WASHINGTON

COVID-19 Press Briefing

May 5, 2021





Daily Change in COVID-19 Cases, US

January 22, 2020 – May 3, 2021

TOTAL Cases Reported Since 1/22/20

32,267,958

NEW Cases Reported to CDC on 5/3/21

32,460

Change in 7-Day Case Average

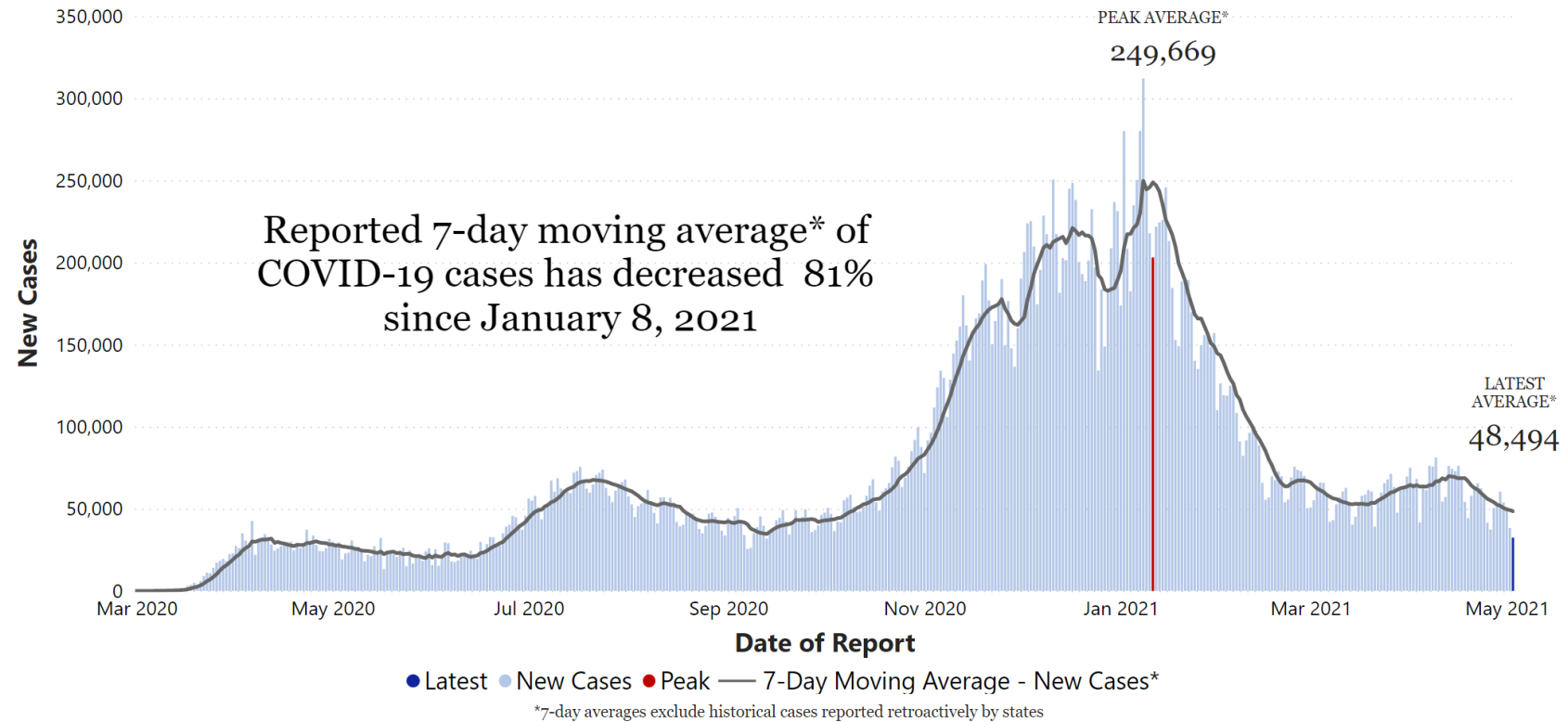
-12.0%

Current 7-Day Case Average (4/27/21 - 5/3/21)

48,494

Prior 7-Day Case Average (4/20/21 - 4/26/21)

55,075



New Admissions of Patients with Confirmed COVID-19

August 1, 2020 – May 2, 2021

Patients Currently Hospitalized with COVID on 5/2/21

32,303

New Admissions on 5/2/21

3,915

Peak in New Admissions (1/5/21)

17,958

Change in 7-Day Average of New Admissions

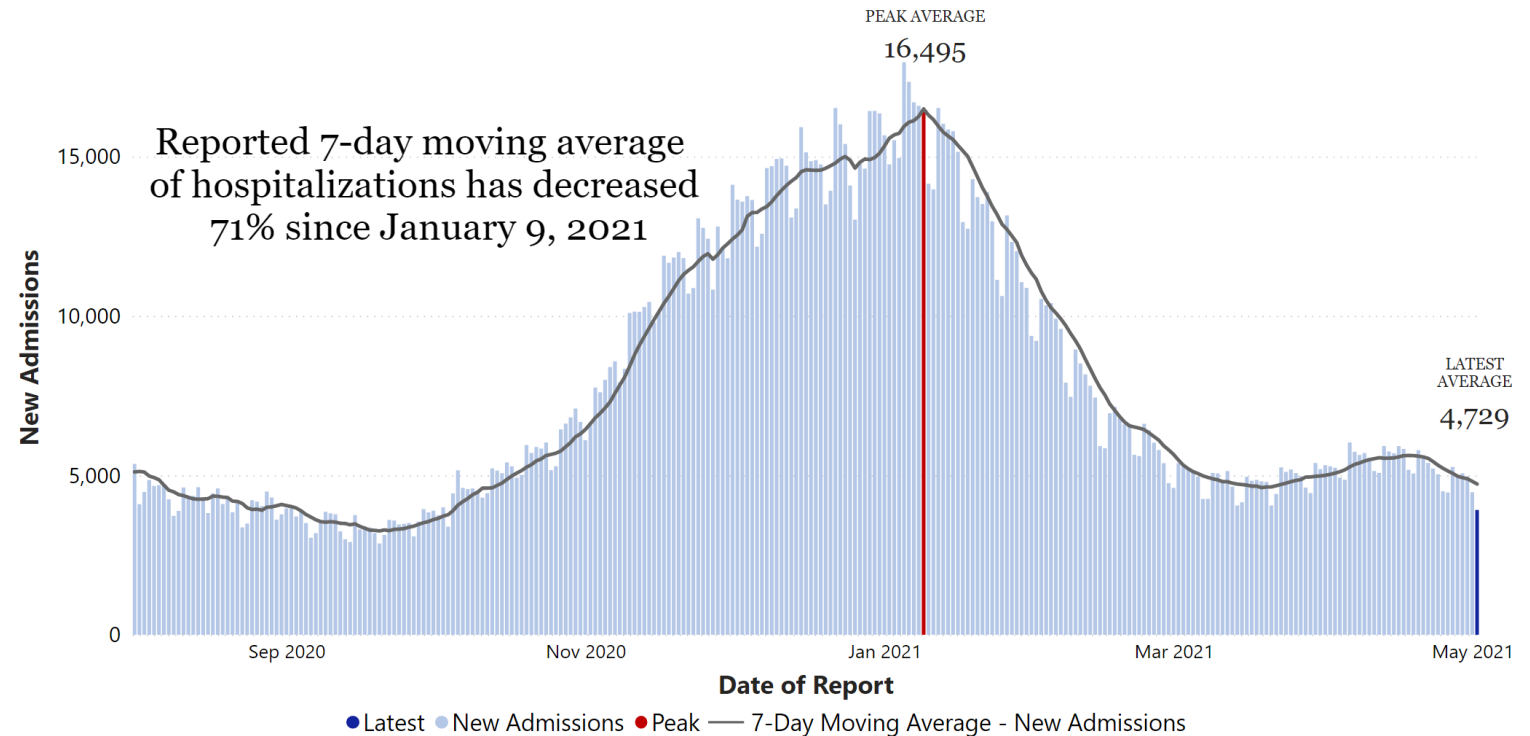
-9.5%

Current 7-Day Average of New Admissions (4/26/21 - 5/2/21)

4,729

Prior 7-Day Average of New Admissions (4/19/21 - 4/25/21)

5,225



Daily Change in COVID-19 Deaths, United States

January 22, 2020 – May 3, 2021

TOTAL Deaths Reported Since 1/22/2020

574,679

NEW Deaths Reported to CDC on 5/3/21

404

Change in 7-Day Death Average

+0.9%

Current 7-Day Death Average (4/27/21 - 5/3/21)

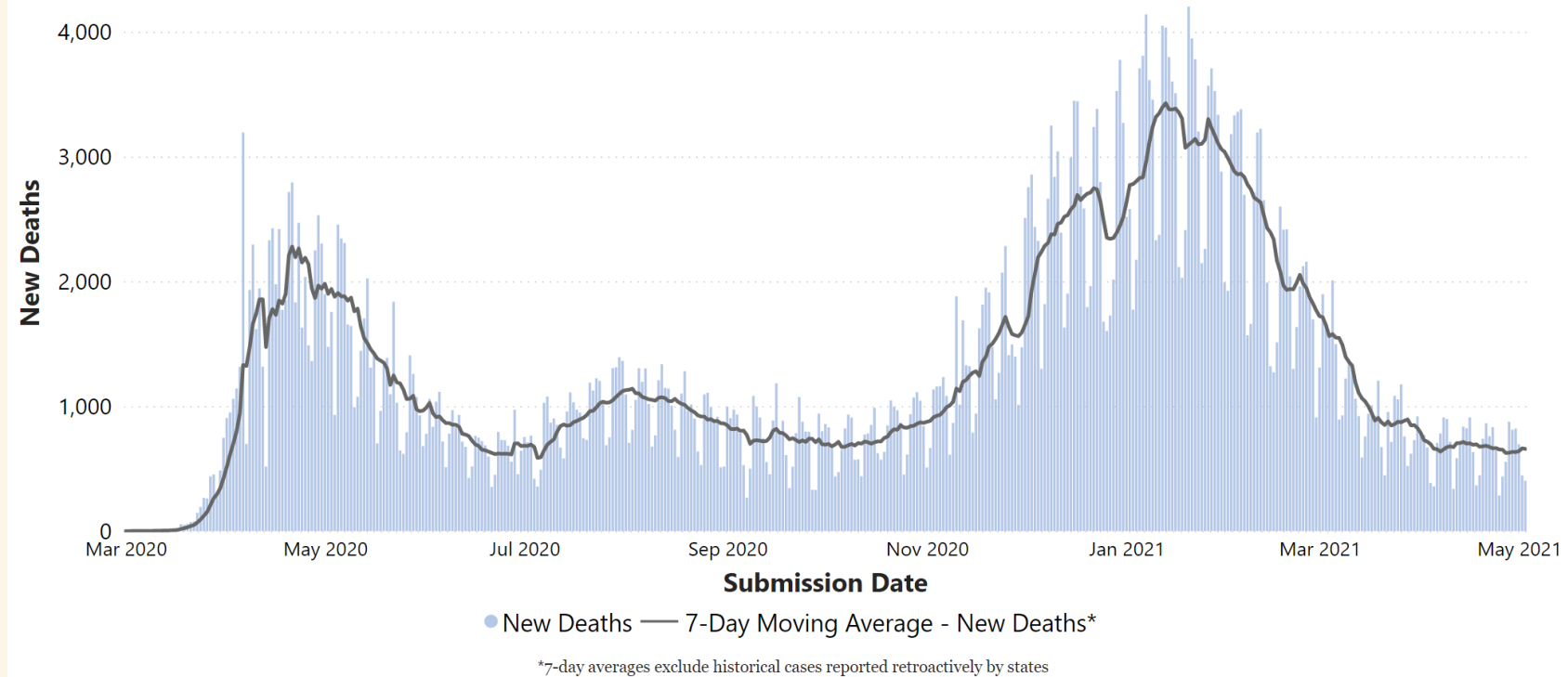
659

Prior 7-Day Death Average (4/20/21 - 4/26/21)

653

Forecasted Total Deaths by 5/22/21

583,000 to 595,000

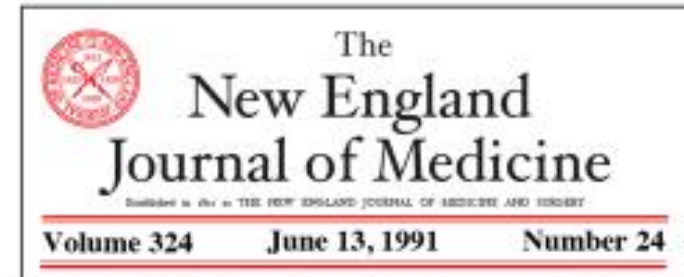


Should I Get a COVID-19 Vaccination Even if I Already Had COVID-19?

- **Re-infections with a homologous strain (i.e., same strain of SARS-CoV-2 as initial infection) remain rare**
- **Vaccination in people previously infected significantly boosts immune responses, likely providing better protection against SARS-CoV-2 variants**
- **With COVID-19 vaccines, we can do better than Nature!**



Past as Prologue



Optimal Immunity to HIV – Natural Infection, Vaccination, or Both?

AS Fauci



Induction of Unnatural Immunity: Prospects for a Broadly Protective Universal Influenza Vaccine

GJ Nabel, AS Fauci



HIV Vaccine Development – Improving on Natural Immunity

MI Johnston, AS Fauci



April 21, 2021



Cold
Spring
Harbor
Laboratory

bioRxiv

THE PREPRINT SERVER FOR BIOLOGY

Substantial Differences in SARS-CoV-2 Antibody Responses Elicited by Natural Infection and mRNA Vaccination

R Assis, PL Felgner et al.

- mRNA vaccinees after 2 doses have higher antibody titers (up to 10x) than convalescent plasma from donors who recovered from natural infection



Published online April 30, 2021

Science

Prior SARS-CoV-2 Infection Rescues B and T Cell Responses to Variants After First Vaccine Dose

CJ Reynolds, R Boyton et al.

- After one dose of Pfizer-BioNTech vaccine, individuals with prior SARS-CoV-2 infection showed enhanced T cell immunity, antibody secreting memory B cell response to spike and neutralizing antibodies effective against B.1.1.7 and B.1.351

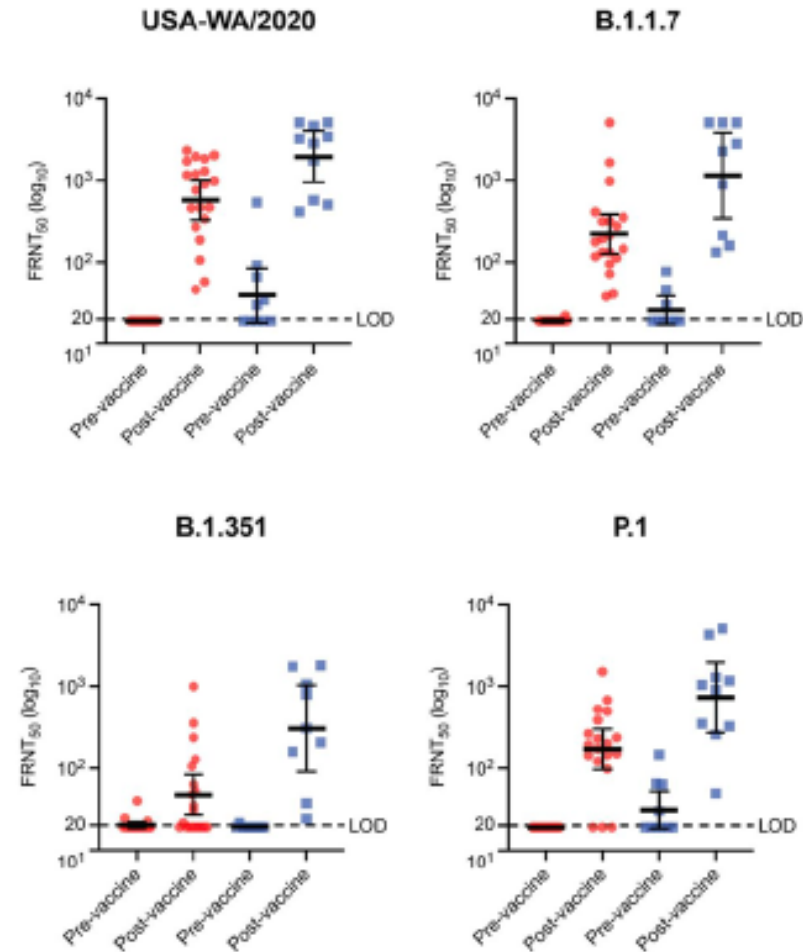


Previously Infected Vaccinees Broadly Neutralize SARS-CoV-2 Variants

HC Leier, FG Tafesse et al.

- Antibody responses from SARS-CoV-2 infection are significantly boosted by two doses of Pfizer/BioNTech vaccine, which increases protection against variants of concern

● Individuals with no history of infection (n=20) ■ Previously infected individuals (n=10)



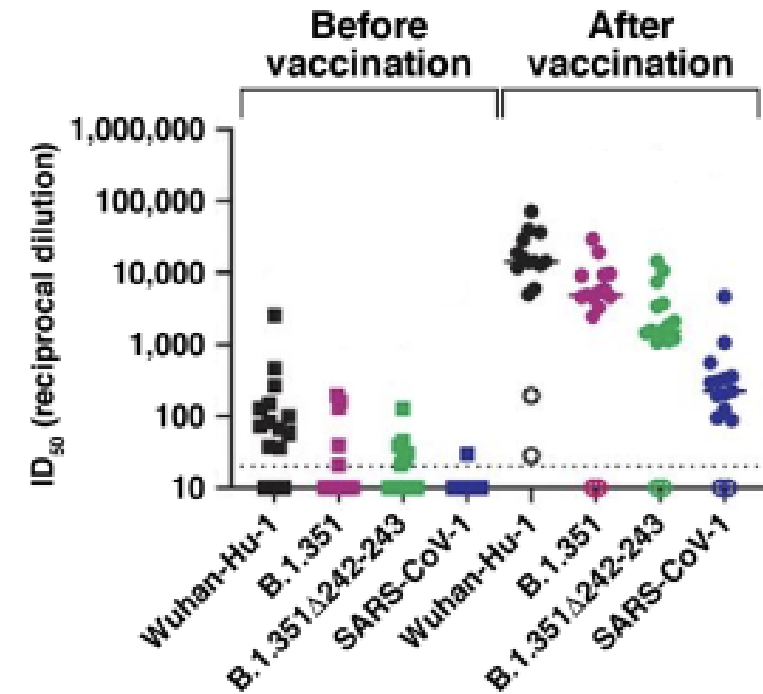
Published online March 25, 2021

Science

mRNA Vaccination Boosts Cross-Variant Neutralizing Antibodies Elicited by SARS-CoV-2 Infection

L Stamatatos, AT McGuire et al.

Virus neutralization in individuals recovered from SARS-CoV-2 infection, prior to and following a single immunization with Pfizer/BioNTech or Moderna vaccine



Find a COVID-19 Vaccine Near You

- **Vaccines.gov**
- **Text your ZIP code to GETVAX (438829) in English or VACUNA (822862) in Spanish**





THE WHITE HOUSE
WASHINGTON

WH.GOV