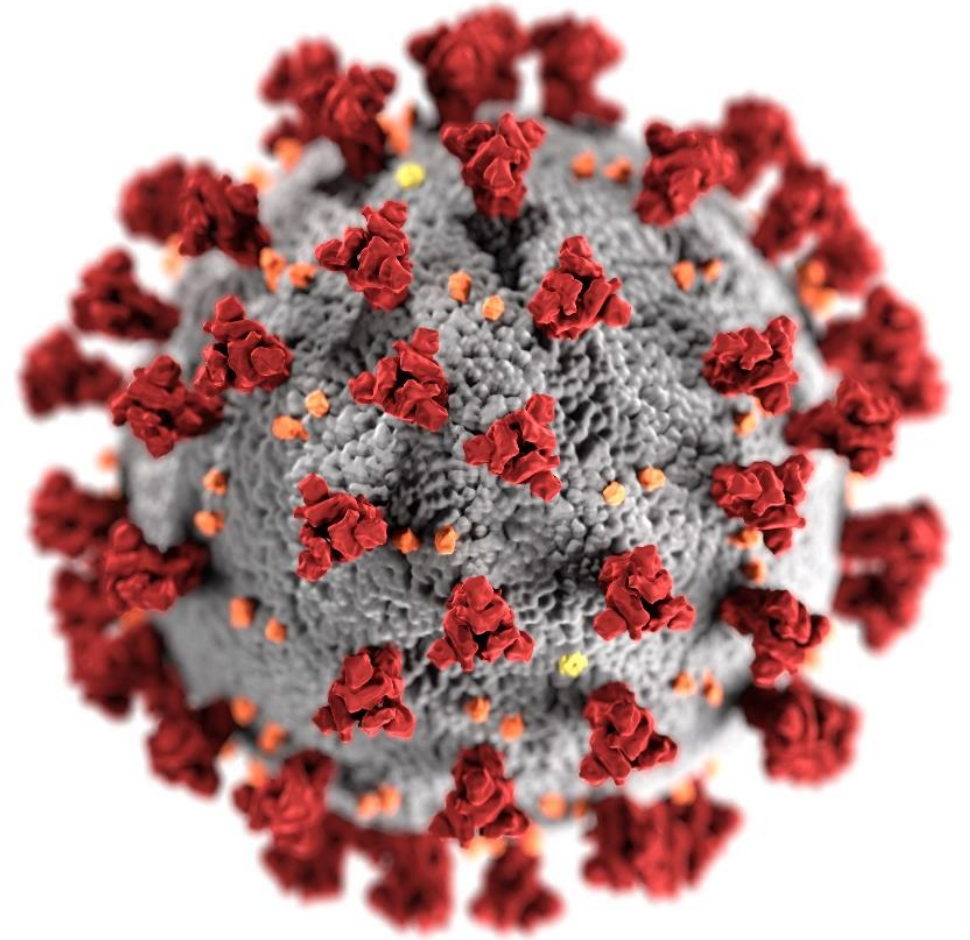


ACIP COVID-19 Vaccines Work Group

Dr. Matthew F. Daley, Work Group Chair

September 1, 2022

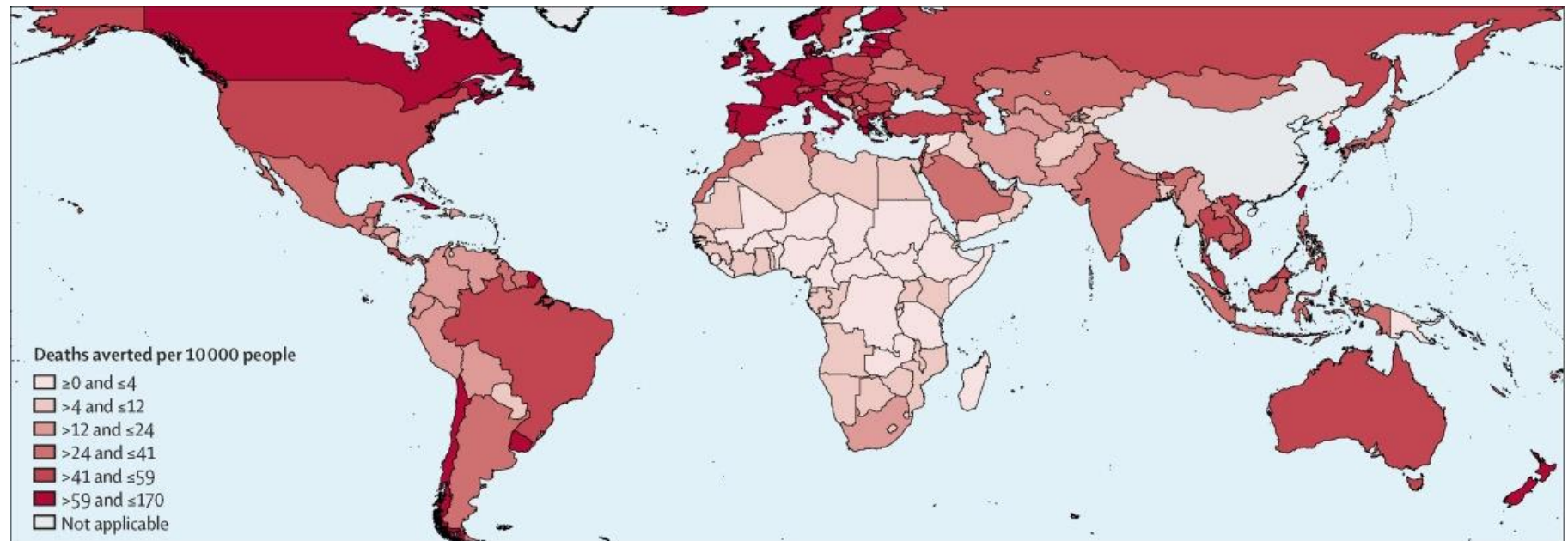


cdc.gov/coronavirus

Global impact of the first year of COVID-19 vaccinations:

Mathematical model of transmission and infection based on official reported COVID-19 deaths, 185 countries, December 2020—December 2021

- COVID-19 vaccinations are estimated to have prevented **13.7-15.9** million deaths
- This represents an estimated **63% reduction in** total COVID deaths globally



Novavax COVID-19 vaccine:

Updates on use of the protein subunit vaccine platform

- Novavax COVID-19 vaccine is now recommended as a two dose primary series vaccination for people ages **12** years and older
- **670,000** doses have been distributed across all US states and territories
- **3.2 million** doses have been purchased by the US government
- As of August 25th, 2022:
 - **14,559** doses have been administered
 - **2,591** people have completed a two dose primary series

ACIP COVID-19 Work Group Meeting Review: August 2022

Reviewed extensive data regarding to bivalent boosters and context:

- Data from multiple clinical trials of bivalent boosters, including those with an Omicron component, demonstrating **safety and immunogenicity in >1700 adults** both with and without prior SARS-CoV-2 infection
 - **>1400** individuals received a bivalent vaccine with the **Omicron** component specifically
- Antigenic cartography and immunologic implications of SARS-CoV-2 variants
- Modeling of pandemic outcomes in varied scenarios, demonstrating potential impact of new variants and varying vaccine/booster coverage
- Rare events of myocarditis after COVID-19 vaccination
- Epidemiology of COVID-19 disease and variants, including the currently dominant **Omicron BA 4/5** variant

Engaged in broad discussions regarding use of bivalent boosters in people of all age groups currently recommended to receive a booster

Agenda: Morning of Thursday September 1st, 2022

- **Epidemiology of COVID-19 & SARS-CoV-2 variants** Dr. Scobie (CDC)
- **Immunology of SARS-CoV-2 variants** Dr. Thornburg (CDC)
- **Updates to COVID-19 vaccine effectiveness** Dr. Link-Gelles (CDC)
- **Updates to COVID-19 vaccine safety** Dr. Shimabukuro (CDC)

Break

PUBLIC COMMENT

Agenda: Afternoon of Thursday September 1st, 2022

- **Moderna bivalent COVID-19 vaccine** Dr. Das (Moderna)
- **Pfizer-BioNTech bivalent COVID-19 vaccine** Dr. Gruber (Pfizer)
- Break*
- **Evidence to recommendations framework:** Dr. Oliver (CDC)
Bivalent COVID-19 booster doses
- **Clinical considerations update** Dr. Hall (CDC), Dr. Twentyman (CDC)
- **Discussion**

VOTE:

Moderna COVID-19 vaccine, Bivalent, in individuals ages 18 years and older

Pfizer-BioNTech COVID-19 vaccine, Bivalent, in individuals ages 12 years and older

Work Group members

ACIP members

- Matthew Daley (chair)
- Beth Bell
- Grace Lee
- Keipp Talbot
- Oliver Brooks

Ex-officio/government members

- FDA: Doran Fink, Rachel Zhang, Lucia Lee
- NIH: Chris Roberts
- IHS: Uzo Chukwuma
- DOD: Bryan Schumacher
- CMS: Jeff Kelman
- BARDA: Christine Oshansky
- HHS: David Kim

CDC Leads

- Sara Oliver
- Evelyn Twentyman

Liaisons

- AAFP: Jonathan Temte
- AAP: Sean O’Leary
- ACOG: Denise Jamieson (primary),
Laura Riley (alternate)
- ACP: Jason Goldman
- ADS: Emily Kahn
- AGS: Ken Schmader
- AIM: Rob Shechter (primary),
Jane Zucker (alternate)
- AMA: Sandra Fryhofer
- ANA: Kendra McMillan (primary),
Ruth Francis (alternate)
- APhA: Michael Hogue
- ASTHO: Marcus Plescia
- CSTE: Susan Lett, Paul Cieslak, Christine
Hahn
- IDSA: Jeff Duchin (primary)

Liaisons, cont’d

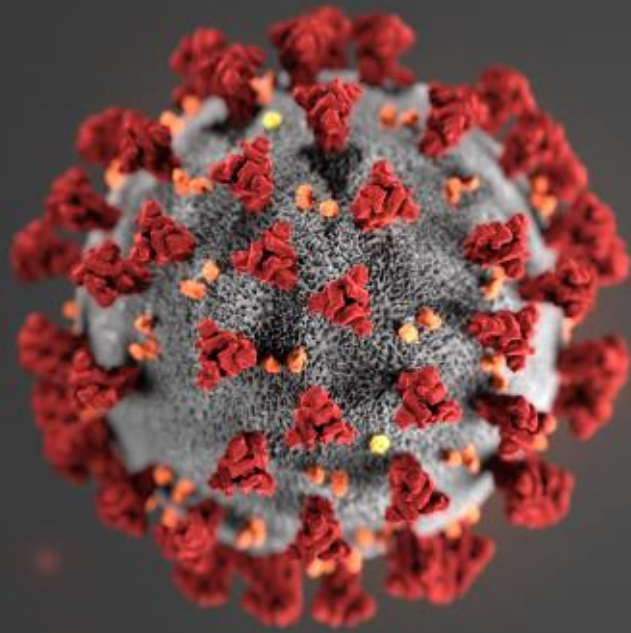
- NACCHO: Matt Zahn (primary),
Jeff Duchin (alternate)
- NACI: Matthew Tunis (primary),
Kelsey Young (alternate)
- NFID: Bill Schaffner (primary),
Marla Dalton (alternate)
- NMA: Patricia Whitley-Williams
- SHEA: Marci Drees

Consultants

- Ed Belongia
- Kathy Kinlaw
- Dayna Matthew
- Kathleen Neuzil
- Stanley Perlman
- Peter Szilagyi
- Jose Romero
- Hank Bernstein

CDC participants

- Sarah Meyer
- Elisha Hall
- Megan Wallace
- Danielle Moulia
- Lauren Roper
- Hannah Rosenblum
- Katherine Fleming-Dutra
- Monica Godfrey
- Susan Goldstein
- Mary Chamberland
- Stephen Hadler
- Valerie Morelli
- JoEllen Wolicki
- Melinda Wharton
- Jessica MacNeil
- Amanda Cohn
- Tamara Pilishvili
- Ruth Link-Gelles
- Heather Scobie
- Natalie Thornburg
- Tom Shimabukuro
- John Su
- Julianne Gee
- Karen Broder
- Naomi Tepper
- LeAnne Fox
- Rebecca Greco Kone
- Rita Helfand
- Jefferson Jones
- Yvonne Bolen
- Meg Freedman
- Katherine Grusich
- Kristen Nordlund
- Amanda Dudley
- Sierra Scarbrough
- Joy Hsu
- Tara Anderson
- Amy Rubis
- Roodly Archer
- Andrew Kroger
- Lauri Markowitz
- Erin Kennedy
- Ryan Wiegand
- Patricia Yu
- Yon Yu



For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

Thank you!

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

