

CHIKUNGUNYA VACCINES

ACIP Meeting

April 16, 2025

Edwin Asturias, MD

Chair, ACIP Chikungunya Vaccines Work Group

Background

- Chikungunya Vaccines Work Group formed in May 2022
 - Topics under discussion include use of chikungunya vaccines in U.S. persons at risk of chikungunya, including those who travel abroad, laboratory workers, and residents of U.S. territories and states at risk of transmission
- Two chikungunya vaccines
 - Live attenuated vaccine licensed in November 2023 (manufactured by Valneva)
 - Virus-like particle vaccine licensed in February 2025 (manufactured by Bavarian Nordic)
 - Both vaccines licensed based on immunogenicity correlates and safety, pending clinical efficacy and expanded safety post-licensure studies

Recap of previous Work Group ACIP presentations

- **October 2022–October 2023**
 - Background on chikungunya disease and its epidemiology
 - Immunogenicity and safety of live attenuated chikungunya vaccine (CHIK-LA)
- **February 2024**
 - ACIP approval of recommendations for use of CHIK-LA among U.S. travelers and laboratory workers
- **June 2024**
 - Epidemiology of chikungunya in U.S. territories and states
 - Cost-effectiveness of use of CHIK-LA in U.S. territories
- **October 2024**
 - Immunogenicity and safety of virus-like particle chikungunya vaccine (CHIK-VLP)

Overview of today's session

1. Evidence to Recommendations for use of CHIK-VLP among adolescent and adult travelers (**Vote 1**)
2. Evidence to Recommendations for use of CHIK-VLP among laboratory workers (**Vote 2**)
3. Surveillance for adverse events following use of CHIK-LA and proposed guidance for use and revised recommendations (**Vote 3**)
4. Clinical guidance for use of CHIK-VLP among pregnant and breastfeeding women

Chikungunya Vaccines Work Group members

ACIP

Edwin Asturias, Univ Colorado

Lin Chen, Mount Auburn Hosp

CDC Lead

Susan Hills, DVBD

Ex Officio

Robin Levis, FDA

Sixun Yang, FDA

Lesley Dupuy (NIH)

ACIP Liaisons

Elizabeth Barnett, ISTM

James Campbell, AAP

Mary Pat Friedlander, AAFP

Saroj Rai, AIM

Invited Consultants

Alan Barrett, Univ Texas Galveston

Beth Bell, Univ Washington

Alan Lam, DoD

Margaret Ryan, DoD

Invited Consultants (cont)

Steven Schofield, CATMAT

David Shlim, Jackson Hole Travel & Trop Med

Nestor Sosa, Uni New Mexico Hospital

Sanet Torres, San Jorge Children & Women's Hospital

Kirsten Vannice, Bill & Melinda Gates Foundation

Mary Wilson, Univ California San Francisco

Joshua Wong, US Coast Guard Puerto Rico

Chikungunya Vaccines Work Group CDC participants

DVBD

Sarah Guagliardo

Ann Powers

Erin Staples

Parker Acevedo

Laura Adams

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Chris Braden

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