ACIP Ebola Virus Vaccine Work Group

Sharon Frey, MD
Saint Louis University Medical School
Chair, Ebola Vaccine Working Group

Advisory Committee on Immunization Practices

February 24-25, 2021
Ebola Vaccine ACIP Work Group

**ACIP Members**
Sharon Frey (Chair)
Beth Bell

**Ex Officio Members**
Rebecca Reindel (FDA)
Stephanie Polo (FDA)
Eric Deussing (DOD)
Amanda Zarrabian (BARDA)
Dan Wolfe (BARDA)
Elizabeth Higgs (NIH)
Richard Davey (NIH)

**CDC Lead**
Mary Choi

**Liaison Representatives**
Alexander Isakov (ACEP)
Alexa Kachikis (ACOG)

Sandra Adamson Fryhofer (AMA)
Christine Hahn (CSTE)
Milan Patel (NACI)
Chris Nyquist (AAP)
Daniel Lucey (IDSA)
David Weber (SHEA)
Marcus Plescia (ASTHO)

**Consultants**
Robert Atmar (Baylor College of Medicine)
Collen Kraft (Emory University)
Jim LeDuc (UTMB)
Pierre Rollin
Allison Liddell (Texas Health Dallas)
Armand Sprecher (MSF)
John Redd (ASPR)
Stacy Hall (AIM)
Grade Consultants/CDC Contributors

GRADE Consultants
Rebecca Morgan
Doug Campos-Outcalt

CDC Contributors
Caitlin Cossaboom
Amy Whitesell
Jonathan Dyal
Allison Joyce
Susan Gorman
Jessica MacNeil
Sarah Mbaeyi
Marissa Person
Brian Harcourt
Terri Hyde
Rita Helfand

Yon Yu
Susan Goldstein
Inger Damon
Michael Bell
Shah Roohi
Julianne Gee
Jennifer McQuiston
Elizabeth Ervin
John Su
Joel Montgomery
Trevor Shoemaker
Julie Villanueva
ACIP recommended preexposure vaccination with Ervebo® for adults aged ≥18 years in the U.S. population who are at highest risk for potential occupational exposure to Ebola virus species Zaire ebolavirus because they are:

- responding to an outbreak of Ebola Virus Disease (EVD), or
- work as health care personnel¹ at federally designated Ebola treatment centers in the United States, or
- work as laboratorians or other staff at biosafety level 4 facilities in the United States.
Key Events Since February 2020

- **10th EVD outbreak in Democratic Republic of Congo (DRC)** declared over June 25, 2020
  - 3470 cases and 2287 deaths (66%)

- **11th EVD outbreak DRC (Mbandaka Province)** declared June 1, 2020
  - Outbreak declared over November 18, 2020
  - 130 cases, 55 deaths (42.3%)

- October 14, 2020, FDA approved Inmazeb® (REGN-EB3) for the treatment of EVD caused by species Zaire ebolavirus in adult and pediatric patients
Key Events Since February 2020

- December 21, 2020, US FDA approved Ebanga® (mAb-114) for the treatment for *Zaire ebolavirus* (Ebola virus) infection in adults and children.


- February 7, 2021, EVD outbreak reported in North Kivu Province, Democratic Republic of Congo

- Feb 14, 2021, EVD outbreak reported in N’Zerekore Prefecture, Guinea
WG Activities and Discussions Since February 2020

- Identified 2 additional U.S. populations at risk for potential occupational exposure to Ebola virus (species Zaire ebolavirus) for whom potential policy options are under consideration:
  - Healthcare personnel (HCP) at a state designated Ebola Treatment Centers involved in the care and transport of confirmed EVD patients
  - Individuals who work as laboratorians and support staff at Laboratory Research Network (LRN) facilities that handle replication competent Ebola virus (species Zaire ebolavirus)

\[1 \text{ See slide #10} \]
Agenda Overview

- Survey of healthcare workers at state designated Ebola Treatment Centers and LRN facilities
  - Allison Joyce, CDC/VSPB

- WG discussions on expansion of recommendations to state designated Ebola Treatment Centers and LRN facilities
  - Dr. Caitlin Cossaboom, CDC/VSPB
Healthcare Personnel Definition

1. Healthcare personnel (HCP) refers to all paid and unpaid persons serving in healthcare settings who have the potential for direct or indirect exposure to patients or infectious materials, including body substances (e.g., blood, tissue, and specific body fluids); contaminated medical supplies, devices, and equipment; contaminated environmental surfaces; or contaminated air. These HCP include, but are not limited to, emergency medical service personnel, nurses, nursing assistants, physicians, technicians, clinical laboratory personnel, autopsy personnel, therapists, phlebotomists, pharmacists, students and trainees, contractual staff not employed by the healthcare facility, and persons not directly involved in patient care, but who could be exposed to infectious agents that can be transmitted in the healthcare setting (e.g., clerical, dietary, environmental services, laundry, security, engineering and facilities management, administrative, billing, and volunteer personnel).

Adapted from https://www.cdc.gov/infectioncontrol/guidelines/healthcare-personnel/index.html
For more information, contact CDC
1-800-CDC-INFO (232-4636)

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.