# Johnson "Johnson

# Our Commitment to Combating Ebola





Cour vision is to protect people and communities at risk of Ebola by preventing outbreaks of this devastating disease before they can begin. 99

> Martin Fitchet M.D., Global Head, Global Public Health, Johnson & Johnson

### Johnson & Johnson's Ebola Vaccine

The preventive Ebola vaccine regimen, Zabdeno<sup>®</sup> (Ad26.ZEBOV) and Mvabea<sup>®</sup> (MVA-BN-Filo), contains vaccines based on:

- Janssen's AdVac<sup>®</sup> technology (Zabdeno<sup>®</sup>)<sup>1</sup>
- Bavarian Nordic's MVA-BN<sup>®</sup> technology (Mvabea<sup>®</sup>)

Available clinical data indicate that the two-dose regimen induces a robust and durable immune response in adults and children.<sup>2-12</sup> Data also demonstrate that booster vaccination with Zabdeno®, administered to adults two years after the initial vaccination, induces a strong immune response.<sup>11</sup>



250,000+ people worldwide vaccinated with at least the first dose



**15** Janssen clinical studies

# Our Progress



Phase 1, 2, 3 trials show robust and durable antibody response



#### European Commission Approval & WHO Prequalification for J&J's preventive Ebola vaccine





## Working in Partnership

Johnson & Johnson has made a significant investment in our Ebola vaccine development program. We are also grateful for development and funding support from: • Bavarian Nordic A/S

- Biomedical Advanced Research and Development • Authority (BARDA)
- Innovative Medicines Initiative (IMI) .
- National Institutes of Health (NIH)

Additionally, we acknowledge the support of our many clinical program partners:

- Centre Muraz
- **Coalition for Epidemic** Preparedness Innovations
- College of Medicine and Allied Health Sciences (University of Sierra Leone)
- Democratic Republic of the Congo Ministry of Public Health
- Emory University's Project San Francisco (Kigali) / Center for Family Health Research
- Epicentre
- Grameen Foundation •
- Inserm
- Inserm Transfert
- Institut National de **Recherce Biomédicale** (INRB)
- London School of Hygiene & Tropical Medicine

... and all the people who participated in the Ebola vaccine clinical trials.

### Commitment to **Pandemic Preparedness**

Johnson & Johnson is one of the few innovative healthcare companies that is actively engaged on pandemic preparedness and response. Through our Janssen Pharmaceutical Companies, we are developing new vaccines and/or treatments to combat infectious diseases, including:37-38

- COVID-19
- Ebola
- Tuberculosis • Dengue

Influenza

- Hepatitis **B** • HIV
- Program Support and Fundin

- Médecins Sans Frontières
- Republic of Rwanda Ministry of Health and Rwanda Biomedical Center
- Rinda Ubuzima
- Sierra Leone Ministry of Health and Sanitation
- Uganda Virus Research Institute
- University of Antwerp
- University of Oxford
- Université de Kinshasa
- Vibalogics GmbH
- Walter Reed Army
  - Wellcome Trust

# **Ebola Timeline**

The Ebola virus was first discovered in 1976 near the Ebola River in what is now the Democratic Republic of the Congo (DRC).<sup>22</sup> Over the past 45 years, there have been multiple Ebola outbreaks.<sup>23</sup> The worst to date was the West African Ebola epidemic, which caused nearly 30,000 cases and more than 11,000 deaths across Guinea, Libera and Sierra Leone in 2014-2016.<sup>24</sup> The world's second-largest Ebola outbreak took place in the DRC in 2018-2020, causing more than 3,000 cases and 2,000 deaths.<sup>25</sup> In 2021, new outbreaks were reported in the DRC and Guinea and in 2022, a new outbreak was reported in the DRC.36



Ghana Food and Drugs Authority grants conditional Marketing Authorization to the vaccine regimen, making it the first commercial regulatory approval in Africa To date, more than 250,000 people worldwide

- Institute of Research
- World Health
- Organization
- World Vision Ireland

have been vaccinated with at least the first dose of J&J's Ebola vaccine regimen

A.S.

vaccine regimen for use, both during outbreaks and preventively, before outbreaks,

for first responders 41 2022