

# Welcome!

We will begin at 6 am PST/9 am EST/3 pm CEST



## Welcome to the Polio Partners Group Meeting 21 April 2022 from 15:00-17:00 CEST

#### As you join the meeting

- Please ensure you are <u>muted</u> unless speaking to avoid background noise
- So that we know who is who, please make sure your name follows the <u>'ORGANIZATION / FIRST NAME LAST NAME</u>' naming convention.
  - To change your name, click on the "Participants" button at the top of the Zoom window.

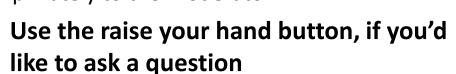


 $\bullet$ 

- Next, hover your mouse over your name in the "Participants" list on the right side of the Zoom window. Click "Rename."
- Enter your 'ORGANIZATION / FIRST NAME LAST NAME' (e.g., "WHO / John Doe") and click "OK."

#### During the meeting

 Use the chat feature to ask questions and communicate with your fellow participants. You can make your questions "to everyone" or send them privately to the Moderator.



- Click on the icon labelled "Participants" at the bottom centre of your screen
- At the bottom of the window on the right side of the screen, click the button labelled "Raise hand"
- If you want to lower your hand, lower it by clicking on the same button, now labelled

"Lower hand"







Chat

## **Polio Partners Group Meeting Agenda**



(all times in Central European Time)

- 15:00 15:10: Welcome and introductory remarks (PPG Co-Chairs: Dr. Linda Venczel and
- Ambassador Marc Bichler) 10 minutes
- 15:10 15:55: Polio Eradication Situation Update (Dr. Modjirom Ndoutabe & Dr. Fazal Ather)
- + Discussion 45 minutes
- **15:55 16:05**: Bob Keegan Heroes Fund Presentation (Susanne Salehi & Helene Erenberg) + Q&A *10 minutes*
- 16:05 16:45: Panel on Sustainable Financing & Flexible Funding for Polio Eradication (Bjorn

Kummel & Aidan O'Leary) + Discussion – 40 minutes

**16:45 – 16:55**: Programmatic and Strategic updates (Sir Liam Donaldson) – *10 minutes* 

16:55 – 17:00: Co-Chairs' Statement and Closure of meeting (PPG Co-Chairs) – 5 minutes





# Presentations





**Global Polio Eradication Initiative Eastern Mediterranean Region** Global Polio Partners Group; 21 April 2022









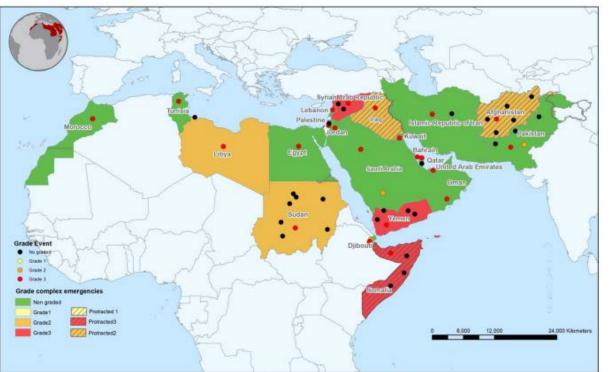






## Context

- Two endemic countries for WPV1
- Seven polio outbreak/event countries

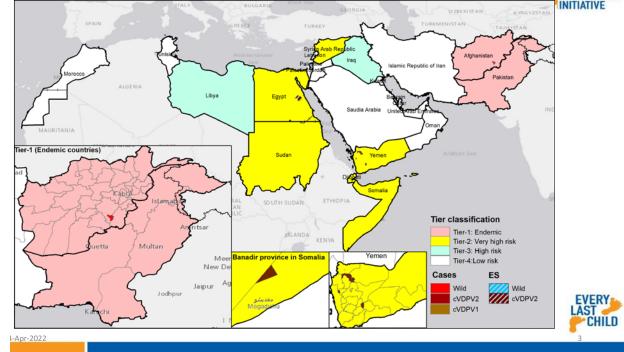


The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there May not yet be full agreement.

Data source: World Health Organization Map production: Health Emergency Information and Risk Assessment (HIM) Unit World Health Organization



#### Polio Infected districts, 2022: WPV1 + cVDPV2 as of Apr 2022 CLOBAL



The heaviest emergencies burden in WHO Regions

> Multiple countries with health emergencies (13 Graded emergencies); 3 Grade 3 and 7 Grade 2; All of 4 World Bank's high intensify conflict countries; Source of 64% of world's refugees; 21 major outbreaks in 2020-2021



14-Apr-2022

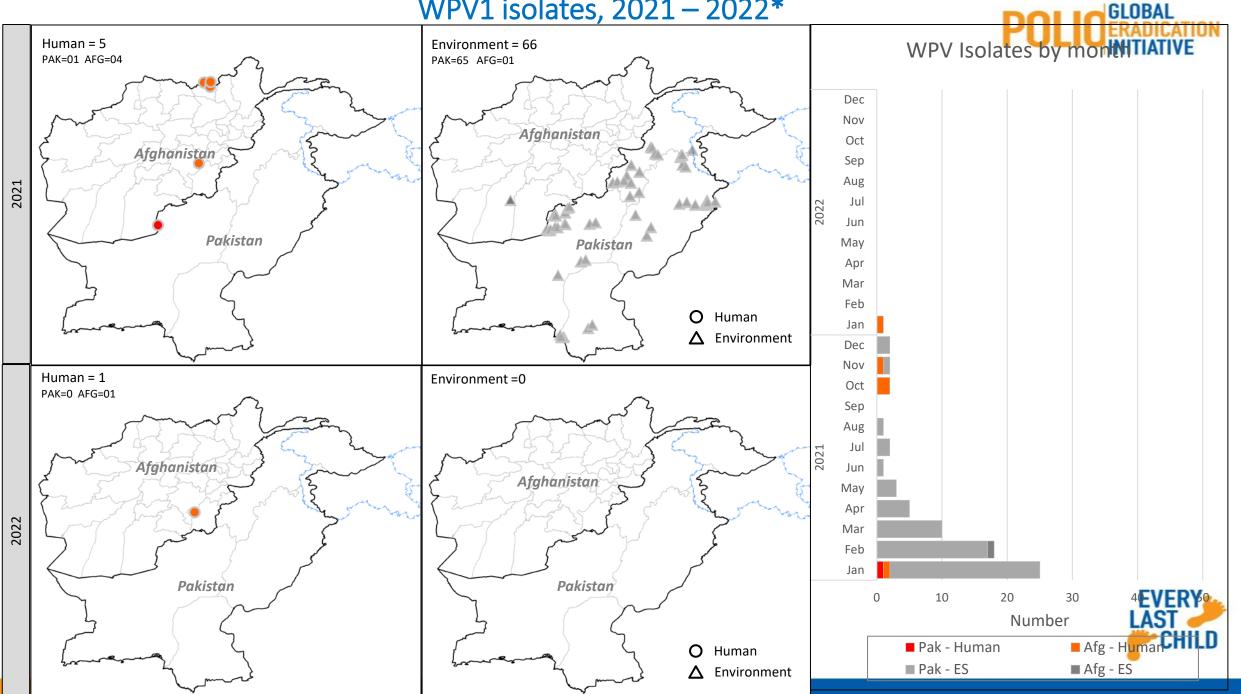


# Polio Endemics - WPVs

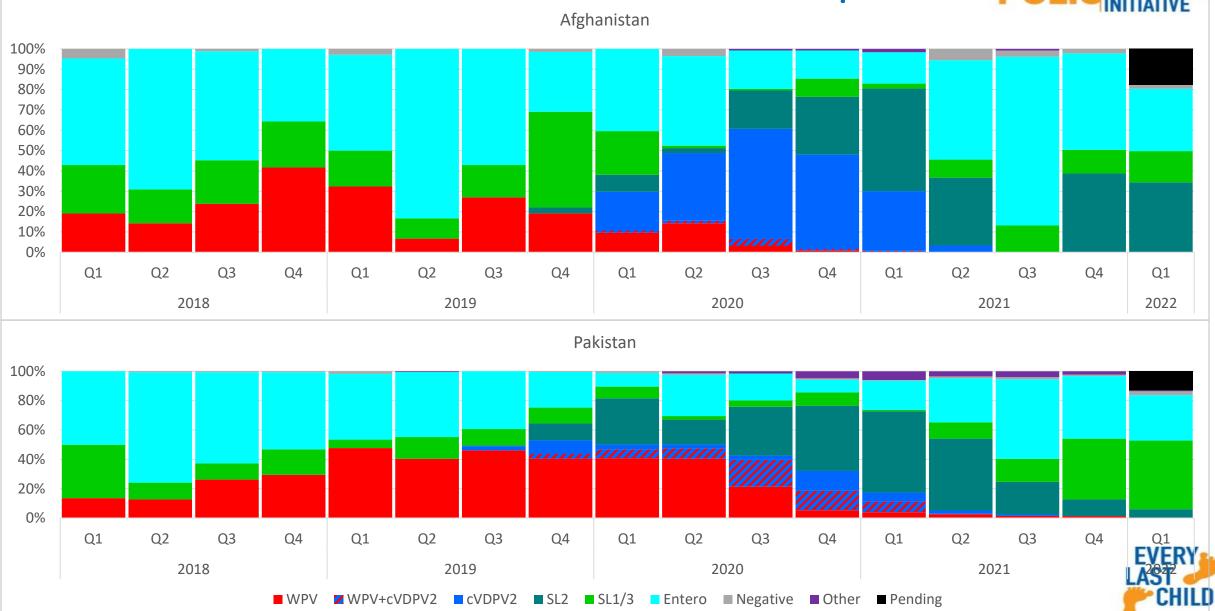
Pakistan and Afghanistan



#### WPV1 isolates, 2021 – 2022\*



## **Status of Environmental Samples**



Other = aVDPVs / VDPVs (any of mixture with wild is counted in WPV)

GLOBAL

14-Apr-2022



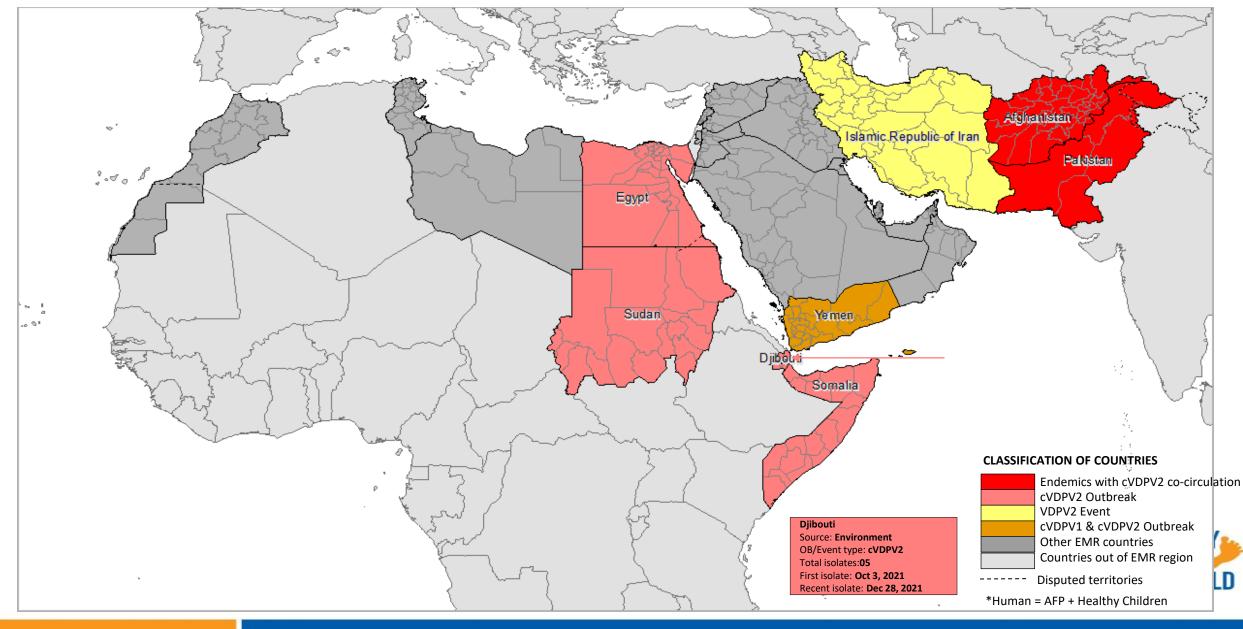
# Outbreak / Events - cVDPVs

**EMRO** Region



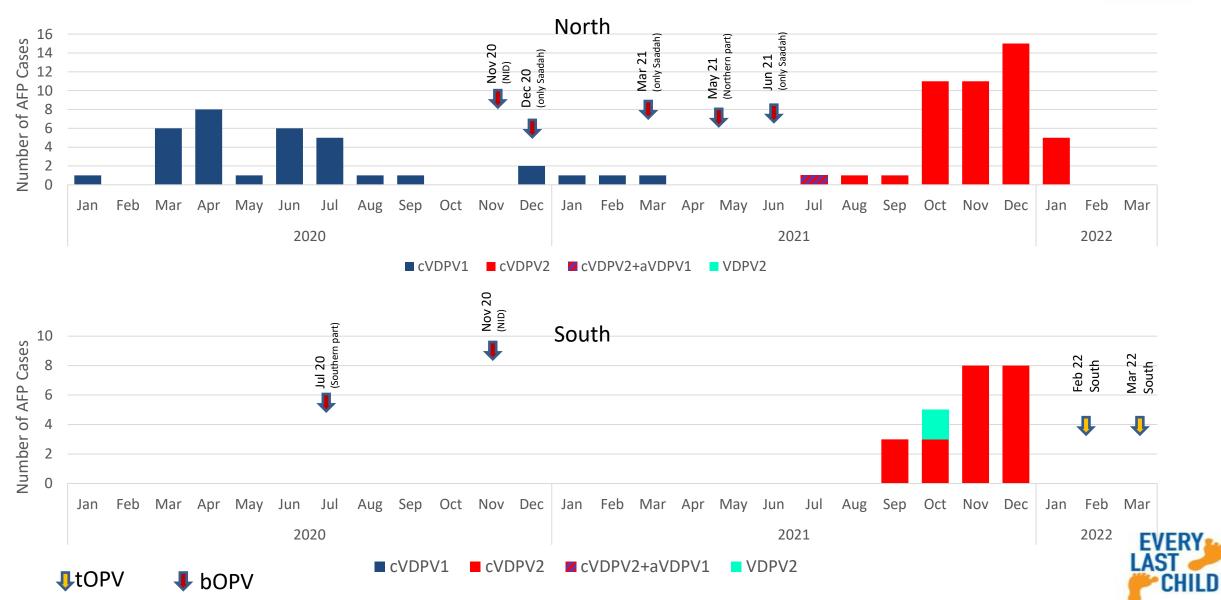
### EMR Polio event/outbreak countries 2022



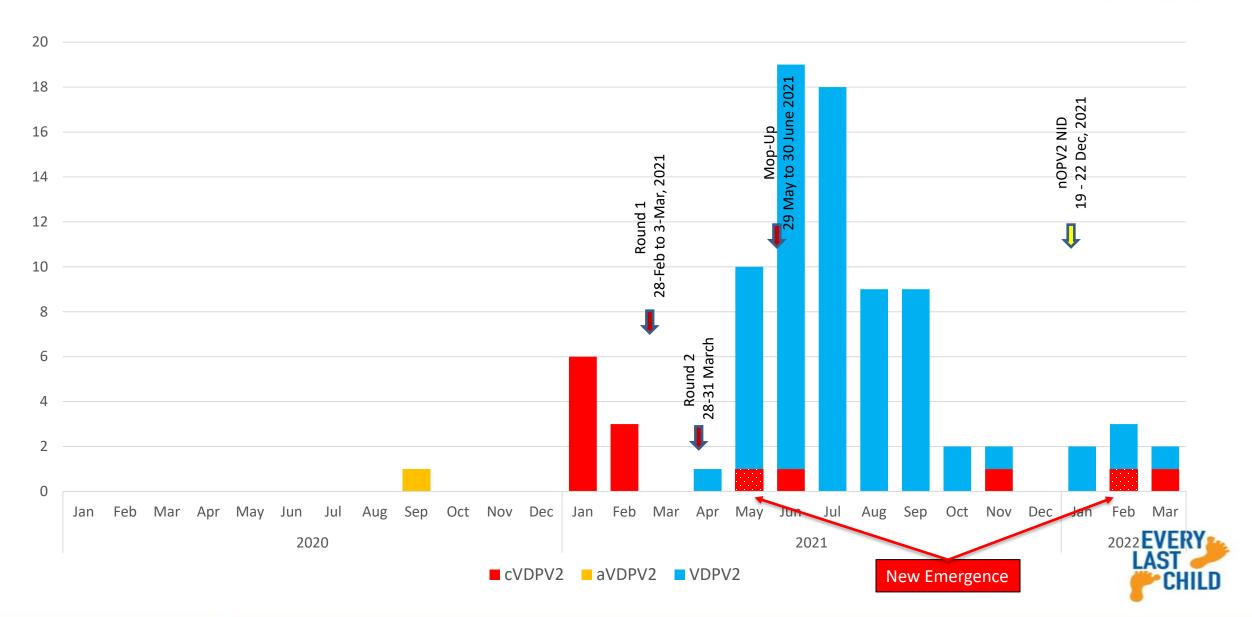


## Yemen: VDPV2 Cases By Region, 2020 - 2022

GLOBAL

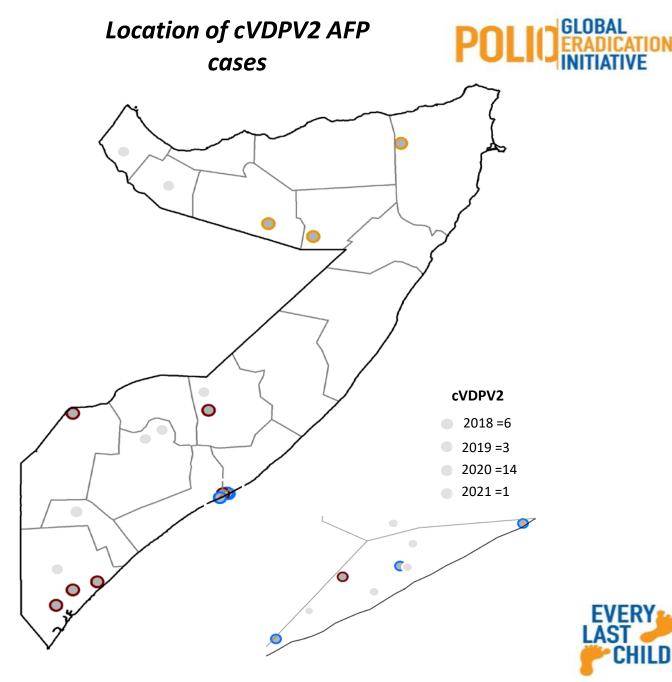


#### Egypt: VDPV2 detected in Environmental samples, 2020 - 2022



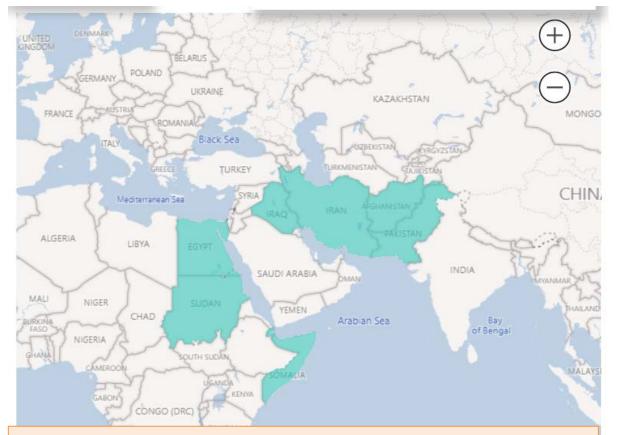
#### 14-Apr-2022





## Somalia: the most stubborn cVDPV2 in the world





All of 8 prioritized countries verified by global verification committee. Two countries implemented two nationwide

campaigns (Egypt and Djibouti – no major AEFI/AESI so far

## Lessons learned

- MOH leadership commitment key to speed of readiness.
- Other factors:
  - WR involvement
  - UNICEF CO support
  - Regional CST and review team



## **Polio Transition**



- Six EMR countries have transitioned with support from WHO base budget
- Programme integration is being operationalized through Integrate Public Health Teams (IPHT)
- IPHT workshops for joint programme planning, changes in staff ToRs and lines of reporting have commenced
  - Sudan workshop completed in March
  - Workshops scheduled in May in Syria and June in Iraq
- Regional retreat concluded last week





## Challenges

- Sustained access to reach children house to house with vaccine in Afghanistan, Somalia & Yemen
- The health, humanitarian and economic crises in Afghanistan
- Political transition in Pakistan may be associated with loss of momentum
- Funding for sustaining essential polio functions in 2023
- Ensuring sustained essential polio functions in countries under transition, coordination and integration in national health systems



## Priorities of the Region -1/2



- Eradication of Wild poliovirus in Afghanistan and Pakistan
  - sustain current intensity of political commitment in Pakistan
  - Continue progress towards full house-to-house vaccination in Afghanistan
  - prevent collapse of health system in Afghanistan
- Countries with active polio outbreaks
  - Stop ongoing outbreaks of cVDPV in Somalia and Yemen and ensure cessation of transmission in Djibouti and Egypt
  - Swiftly respond to any new outbreak
  - Somalia emergency action plan launched at the Somalia summit in March
  - Continue advocacy for vaccination campaigns in north Yemen



## Priorities of the Region - 2/2

- **POLIC** GLOBAL ERADICATION INITIATIVE
- Countries at risk of polio outbreaks and countries under polio transition
  - Sustain surveillance for poliovirus and outbreak response capacity by successful operationalization of integrated public health teams
- Consistent application of WHO graded emergency SoPs for polio operations
- Operationalization of integrated public health teams as part of polio transition in Syria, Sudan, Yemen, Iraq and Libya – in coordination with IVB, WHE and Polio in HQ





#### **POLIC GLOBAL ERADICATION INITIATIVE**

# **AFRO Polio Update**

April 21, 2022





## Outline

- **1.** Context/VDPV Epidemiology
- 2. Outbreak Response
- **3.** Upcoming Campaigns
- 4. Way forward





## **1. Context/VDPV Epidemiology**

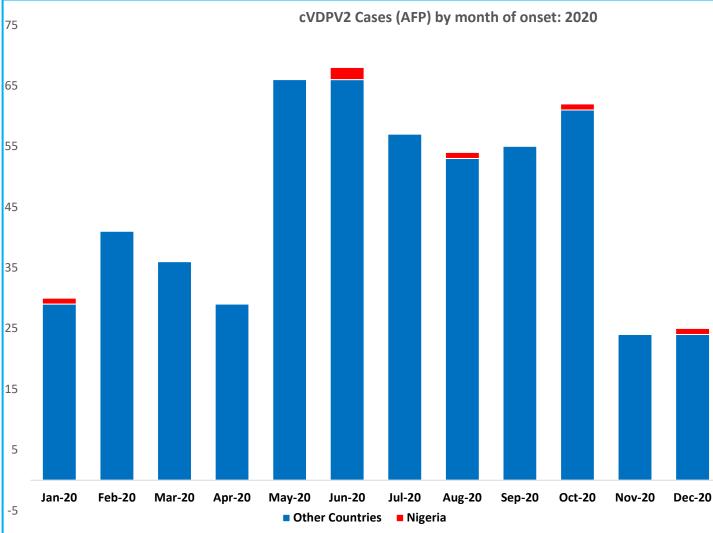


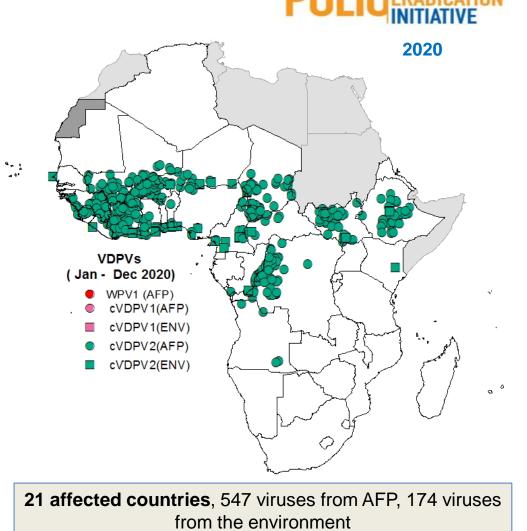


## Context

- 75% of outbreaks post-switch were stopped after 2 rounds of mOPV2
- Almost all outbreaks since 2018 are as result of seeding from the use of mOPV2
- Breakthrough transmission due to non-aggressive responses due to vaccine availability
- Over 140 million children have been vaccinated with mOPV2 or nOPV2 since resumption in July 2020
- No cVDPV2s reported after 2 rounds of nOPV2 in 5 Countries. However, a significant increase in cases seen in Nigeria
- WPV1 isolated from a stool sample in Malawi in November 2021 and the case is linked to a virus in Pakistan

## cVDPV2 situation in Africa in 2020

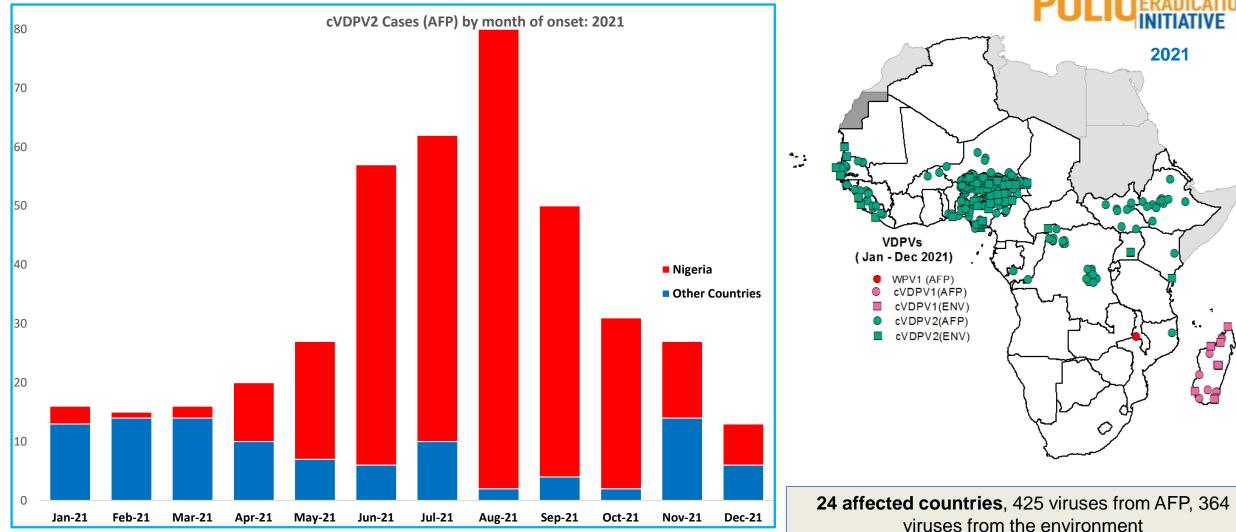




Cote d'Ivoire recorded the highest number of cVDPV2 cases in 2020 (159) followed by Chad (101) and DRC (78)

• 64% of cVDPV2 cases in 2020 were reported from 12 countries in West Africa

## cVDPV2 situation in Africa in 2021



- Nigeria recorded the highest number of cVDPV2 cases in 2021 (588) contributing to 78% of cVDPV2 cases followed by Senegal (30) and DRC (27)
- 92% of cVDPV2 cases in 2021 were reported from 11 countries in West Africa which increased by 28% compared to 2020

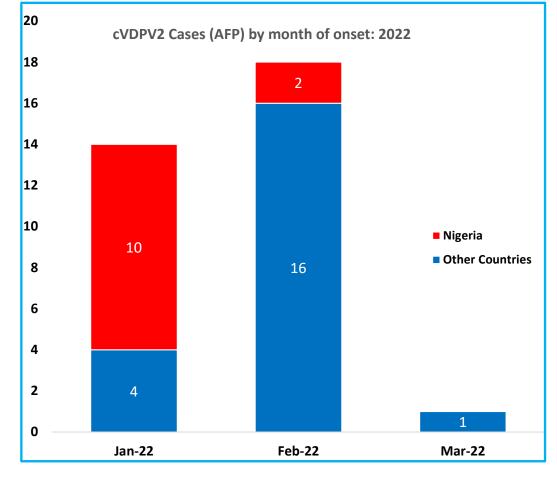
WPV1 isolated in Malawi



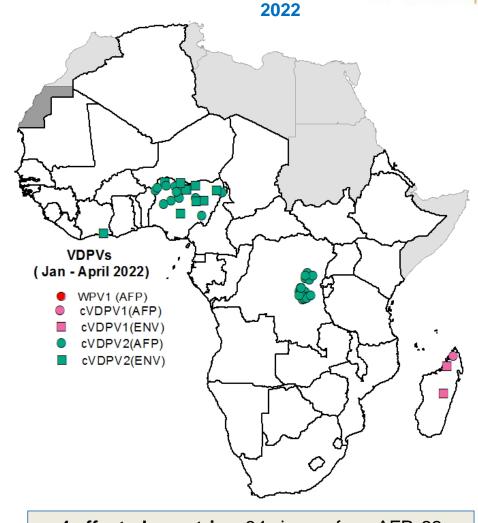
GI OBAI

## cVDPV2 situation in Africa in 2022 (as of 18<sup>th</sup> April)





Country	cVDPV1 (AFP)	cVDPV1 (ENV)	cVDPV2 (AFP)	cVDPV2 (ENV)	Total
Nigeria			12	18	30
DRC			21		21
Madagascar	1	2			3
Cote D Ivoire				2	2
Total	1	2	33	20	56

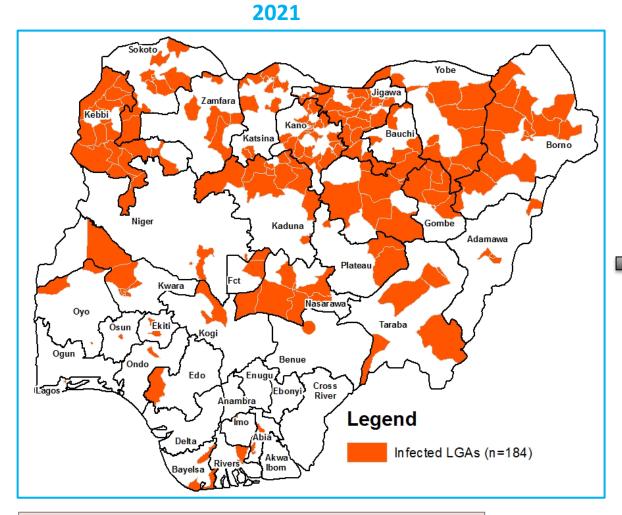


**4 affected countries**, 34 viruses from AFP, 22 viruses from the environment



## **Significant Increase in cVDPV2s in Nigeria in 2021**





2022 Sokoto Katsina Jigawa Yobe Zamfara Kano Borno Kebbi  $\sim$ Bauchi Kaduna Gombe Nige Adamawa Plateau Fct Kwara Nasarawa Оуо Taraba Kogi Osu Benue Onde Ogun Enugu Edo CL'agos 2 Cross Ebonyi River Legend Infected LGAs 2022 (n=23) River Bayelsa lbom

- 30 affected States
- 312 viruses from AFP
- 276 viruses from the environment

- 13 affected States
- 12 viruses from AFP
- 18 viruses from the environment



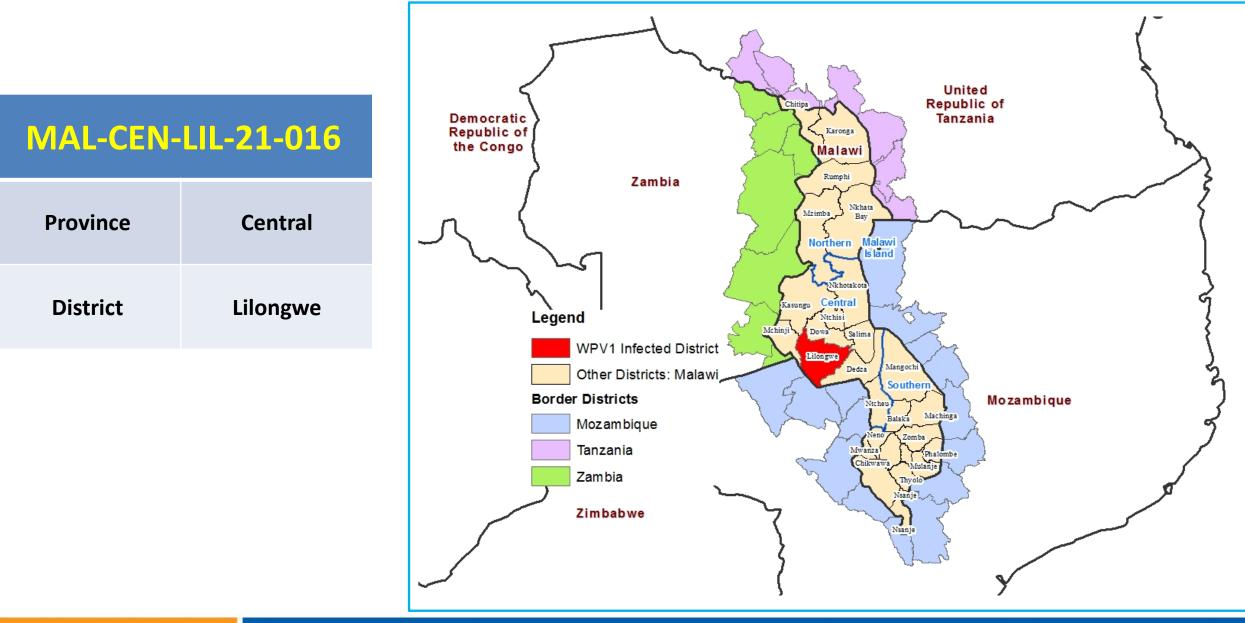
### Monthly cVDPV2 Cases and Environmental Isolates (Jan 2020-Feb 2022) POI In GLOBAL

#### No cVDPV2s reported after 2 rounds of nOPV2 in 5 Countries. However, a significant increase in cases seen in Nigeria.



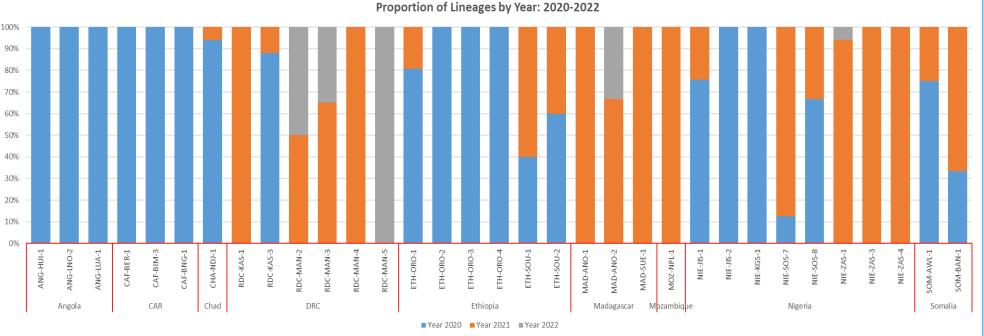
#### WPV1 isolated from a stool sample in Malawi in November 2021





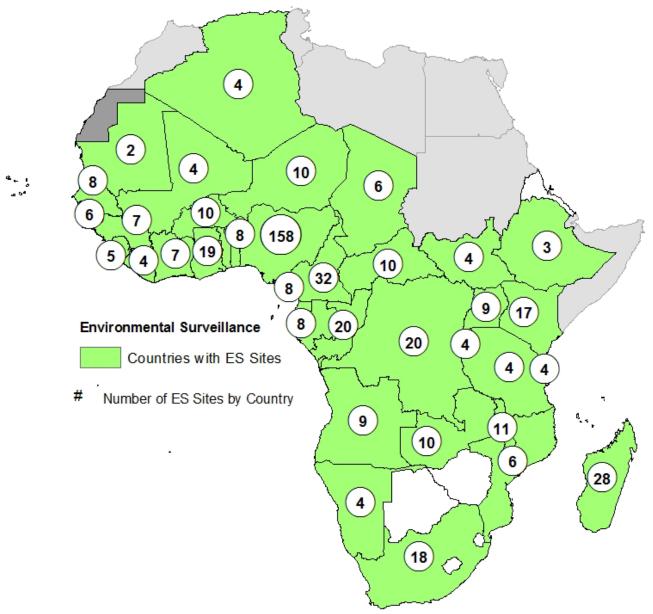
Country of Origin	Emergence	# Cases 2020	# Cases 2021	# Cases 2022	
Angola	ANG-HUI-1	3			
Angola	ANG-LNO-2	1			
Angola	ANG-LUA-1	3			
Angola Total		7			
CAR	CAF-BER-1	9			
CAR	CAF-BIM-3	1			100%
CAR	CAF-BNG-1	6			90%
CAR Total		16			5070
Chad	CHA-NDJ-1	144	9		80%
Chad Total		144	9		70%
DRC	RDC-KAS-1		1		
DRC	RDC-KAS-3	74	10		60%
DRC	RDC-MAN-2		1	1	50%
DRC	RDC-MAN-3		15	8	
DRC	RDC-MAN-4		3		40%
DRC	RDC-MAN-5			3	30%
DRC Total		74	30	12	
Ethiopia	ETH-ORO-1	21	5		20%
Ethiopia	ETH-ORO-2	4			10%
Ethiopia	ETH-ORO-3	1			
Ethiopia	ETH-ORO-4	1			0%
Ethiopia	ETH-SOU-1	4	6		
Ethiopia	ETH-SOU-2	3	2		
Ethiopia Total		34	13		
Madagascar	MAD-ANO-1		5		
Madagascar	MAD-ANO-2		4	2	
Madagascar	MAD-SUE-1		13		
Madagascar Total			22	2	
Mozambique	MOZ-NPL-1		1		
Mozambique Tota	1		1		
Nigeria	NIE-JIS-1	395	126		
Nigeria	NIE-JIS-2	1			
Nigeria	NIE-KGS-1	1			
Nigeria	NIE-SOS-7	3	21		
Nigeria	NIE-SOS-8	2	1		
Nigeria	NIE-ZAS-1	1	538	33	
Nigeria	NIE-ZAS-3		1		
Nigeria	NIE-ZAS-4		2		
Nigeria Total		403	689	33	
Somalia	SOM-AWL-1	3	1		
Somalia	SOM-BAN-1	1	2		
Somalia Total		4	3		
Тодо	TOG-SAV-1	10			
Togo Total		10			

### Summary of Lineages by year and country of origin DOL INGLOBAL



- Nigeria has 8 different emergence groups with Jigawa 1 and Zamfara 1, the predominant lineages
- There are no viruses reported in the region linked to Angola CAR andTogo lineages which have disappeared in 2021 and so far in 2022
- Madagascar and Mozambique lineages are not seen outside the country
  - There are no viruses linked to 3 lineages in Ethiopia (ETH-ORO-2, ETH-ORO-3, ETH-ORO-4) since 2021

### Strengthening Environmental Surveillance in the African Region



In collaboration with our surveillance and GIS team, we are working with countries to ensure that strong environmental surveillance is establish in order to:

- Quickly detect transmission of the virus in areas where acute flaccid paralysis surveillance may not be strong
- Support nOPV2 roll out, as this is one of the criteria to allow us to monitor stability of the vaccine

## Summary: cVDPV/WPV1 Epidemiology



- Since 2020, 33 lineages have been identified in the region
- Most cVDPV2 in the region are linked to lineages from Nigeria in the last two years
- Although there is no major difference in number of viruses in 2020 versus 2021, there is a record increase in viruses isolated from the environment (174 in 2020 and 364 in 2021)
- Jigawa (NIE-JIS-1), Zamfara (NIE-ZAS-1), Ndjamena (CHA-NDJ-1) and Kasai (RDC-KAS-3) remain the predominant emergence groups in the region in the last two years
- No viruses reported in the region linked to Togo Savanes lineage (TOG-SAV-1) since 2020
- Four emergence groups in Maniema province of DRC in 2021 (RDC-MAN-1, RDC-MAN-2, RDC-MAN-3, RDC-MAN-4) which have not been identified in any other province in DRC
- cVDPV1 has not been isolated in any country apart from Madagascar
- Lineages in Madagascar and recently Mozambique have not been identified in any other country
- WPV1 case detected in Malawi from a stool sample collected in November 2021 is linked to a virus in Pakistan

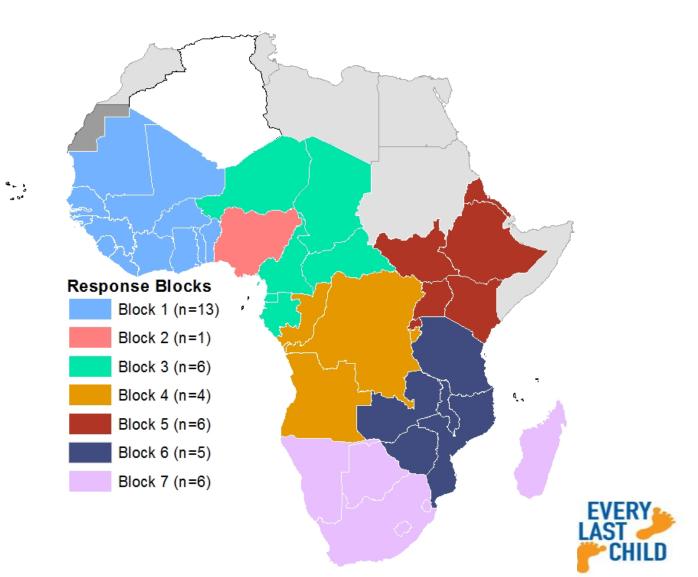


## 2. Outbreak Response



# Seven outbreak response blocks have been put in place to strengthen the effectiveness of response activities at sub regional level

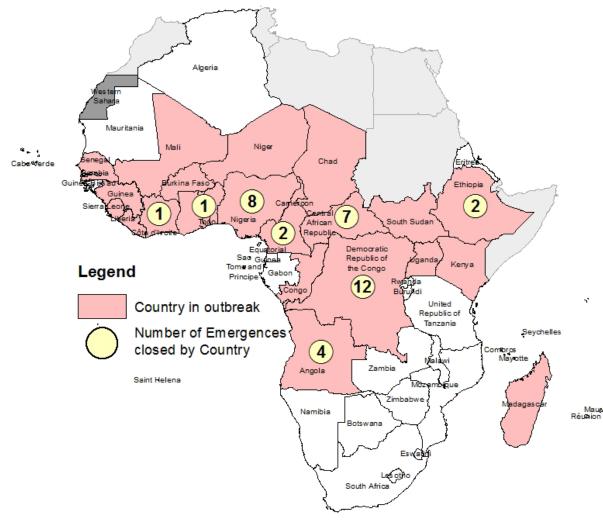
Respons e Block	Country
Block 1	West Africa (excluding Niger and Nigeria)
Block 2	Nigeria
Block 3	Niger, Chad, Cameroon, CAR, Gabon, Equatorial Guinea
Block 4	Angola, Republic of Congo, DRC, Burundi
Block 5	Kenya, Rwanda, Ethiopia, Eritrea, South Sudan, Uganda
Block 6	Zimbabwe, Malawi, Tanzania, Mozambique, Zambia
Block 7	South Africa, Lesotho, Namibia, Madagascar, Botswana, Swaziland



GLOBAL

#### cVDPV2 Outbreaks Closed 2018-2021



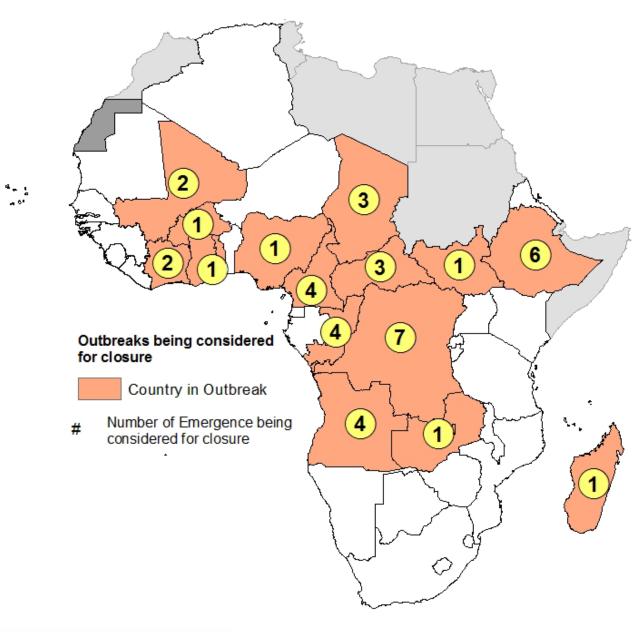


	Country	Total Emegernces	Total Emergences Closed	Date of last postive isolate (for closed outbreaks)
	Mozambique	1	1	21-Oct-18
	Zambia	2	2	25-Nov-19
	Ethiopia	9	2	30-Dec-19
	Nigeria	12	8	1-Jan-20
	Angola	4	4	9-Feb-20
	CIV	2	1	10-Feb-20
	DRC	15	12	19-Feb-20
uşiti u n	Togo	2	1	11-Mar-20
	Cameroon	4	2	11-Apr-20
	CAR	8	7	2-May-20

- Number of countries  $\rightarrow$  10
- Number of emergences closed  $\rightarrow$  40
- Vaccine used for all of the above → mOPV2



#### **cVDPV2 Outbreaks Being Considered for Closure: 2022** GLOBAL



COUNTRY	EMERGENCE
ANGOLA	ANG-HUI-1
ANGOLA	ANG-LNO-2
ANGOLA	ANG-LUA-1
ANGOLA	ANG-MOX-1
ANGOLA Total	4
BURKINA FASO	TOG-SAV-1
BURKINA FASO Total	1
CAMEROON	CAF-BER-1
CAMEROON	CAF-BNG-1
CAMEROON	CHA-NDJ-1
CAMEROON	NIE-JIS-1
CAMEROON Total	4
CAR	CAF-BER-1
CAR	CAF-BNG-1
CAR	CHA-NDJ-1
CAR Total	3
CHAD	CAF-BIM-3
CHAD	CHA-NDJ-1
CHAD	NIE-JIS-1
CHAD Total	3
CONGO	ANG-HUI-1
CONGO	ANG-LUA-1
CONGO	NIE-JIS-1
CONGO	RDC-KAS-1
CONGO Total	4
CÔTE D'IVOIRE	NIE-JIS-1
CÔTE D'IVOIRE	TOG-SAV-1
CÔTE D'IVOIRE Total	2
DRC	ANG-LNO-2
DRC	ANG-LUA-1
DRC	CAF-BNG-1
DRC	RDC-EQT-1
DRC	RDC-HLO-2
DRC	RDC-SAN-1
DRC	RDC-TPA-2
DRC Total	7

COUNTRY	EMERGENCE
ΕΤΗΙΟΡΙΑ	CHA-NDJ-1
ΕΤΗΙΟΡΙΑ	ETH-ORO-1
ΕΤΗΙΟΡΙΑ	ETH-ORO-2
ΕΤΗΙΟΡΙΑ	ETH-ORO-3
ΕΤΗΙΟΡΙΑ	ETH-ORO-4
ΕΤΗΙΟΡΙΑ	ETH-SOM-1
ETHIOPIA Total	6
GHANA	NIE-JIS-1
GHANA Total	1
MADAGASCAR	MAD-SUO-1
MADAGASCAR Total	1
MALI	NIE-JIS-1
MALI	NIE-SOS-7
MALI Total	2
NIGERIA	NIE-KGS-1
NIGERIA Total	1
SOUTH SUDAN	ETH-SOU-1
SOUTH SUDAN Total	1
TOGO	NIE-JIS-1
TOGO	TOG-SAV-1
TOGO Total	2
ZAMBIA	ANG-MOX-1
ZAMBIA Total	1

- Number of countries 🔶  $\bullet$ 16
- Number of emergences lacksquarebeing considered for closures  $\rightarrow$  43



## 3. Upcoming Campaigns



### **Upcoming Campaigns: West Africa Axis**



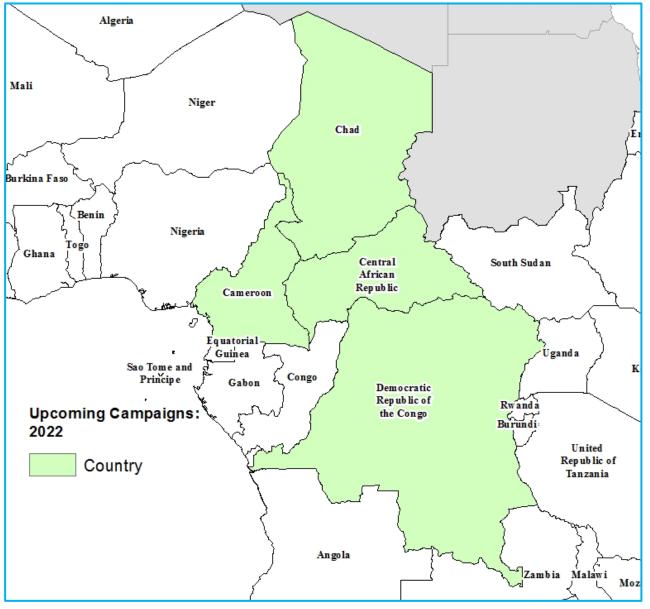
Country	Taget 1	Target 2	
The Gambia	1. NID R2 2. Dates: 19-22 Mar 3. Vaccine: nOPV2		Western Sahara
Senegal	1. NID R2: 2. Dates: 25-27Feb 3. Vaccine: nOPV2		
Mauritania	1. NID R2: 2. Dates: 29 Mar - 01 Apr 3. Vaccine: nOPV2		Mauritania Mali Niger
Guinea Bissau	1. NID R1: 2. Dates: 22-25 Apr 3. Vaccine: nOPV2		Senegal Guinea-Bissau Burkina Faso
Niger	1. SNID R1: 2. Dates: 13-16 May 3. Vaccine: nOPV2	1. SNID R2: 2. Dates: 03-06 Jun 3. Vaccine: nOPV2	Sierra Leone (Togo
Burkinga Faso	1. NID R1: 5 344 475 2. Dates: Oct 14 to 17, 2022 3. Vaccine: nOPV2	1. NID R2: 5 344 475 2. Dates: Nov 18 to 21, 2022 3. Vaccine: nOPV2	Upcoming Campaigns: 2022
Cote d'Ivoire	1. SNID R1: 2 652 085 2. Dates: Oct 13-16 May 2022 3. Vaccine: nOPV2	1. SNID R2: 2 652 085 2. Dates: 10-12 Jun 2022 3. Vaccine: nOPV2	Country Equatorial Guin



### **Upcoming Campaigns: Central Africa Axis**

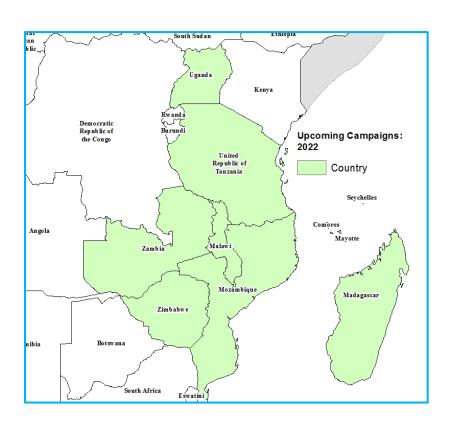


Country	Taget 1	Target 2
Chad	1. NID R1: 2. Dates: 13-15 May 3. Vaccine: nOPV2	1. NID R2: 2. Dates: 03-05 Jun 3. Vaccine: nOPV2
Cameroon	1. NID R1: 2. Dates: 13-15 May 3. Vaccine: nOPV2	1. NID R2: 2. Dates: 03-05 Jun 3, Vaccine: nOPV2
CAR	1. NID R1: 2. Dates: 13 May 3. Vaccine: nOPV2	1. NID R2: 2. Dates: June 3. Vaccine: nOPV2
DRC	1. SNID R1: 2. Dates: 12 May 3. Vaccine: nOPV2	1. SNID R2: 2. Dates: Jun 3. nOPV2



#### Upcoming Campaigns: Eastern and Southern Africa Axis POLIC GLOBAL ERADICATION

Country	Taget 1	Target 2	Target 3	Target 4	Target 5	Target 6
Uganda	1. NID R1: 8,792,500 2. Dates: 14-17 Jan 3. Vaccine: nOPV2					
Malawi	2. Dates: 21-26 Mar		1. NID R3: 2,922,175 2. Dates: Jun 3. Vaccine: bOPV	1. NID R4: 2,922,175 2. Dates: Jul 3. Vaccine: bOPV		
Mozambique		2. Dates: 28 Apr	1. SNID R1: 1,461,598 (2) 2. Dates: 28 Apr 3. Vaccine: nOPV2	1. SNID R3: 3,599,580 (9) 2. Dates: Jun 3. Vaccine: bOPV	1,461,598 (2) 2. Dates: Jun 3. Vaccine:	1. NID R4: 5,061,178 (11) 2. Dates: Jul 3. Vaccine: bOPV
Zambia	2. Start Date: 24 March	2. Dates: 21 Apr	2. Dates: Jun	1. NID R4: 3,785,349 2. Dates: Jul 3. Vaccine: bOPV		
Tanzania	2. Start Date: 24 March	2. Dates: 28 Apr	2. Dates: Jun	1. NID R4: 10,310,274 2. Dates: Jul 3. Vaccine: bOPV		
Zimbabwe	2. Dates: Apr	2. Dates: Jun	1. NID R3: 2,587,199 2. Dates: Jul 3. bOPV			
Madagascar		1. NID R3: 2,922,175 2. Dates: Jun 3. bOPV				







## 4. Way forward





## Way forward

- Address the outbreak in Nigeria
- Update stakeholders on the SOPs revised
- Improve Malawi response
- Close some outbreaks to focus on current outbreaks
- Expand RRT with the new structure





# Thanks





## Discussion





## Bob Keegan Polio Eradication Heroes Award Fund: 20+ Years of Impact

Helene Erenberg, Director of Major Gifts & Individual Support Susanne Salehi, Advancement Associate







#### Mission

The CDC Foundation helps CDC do more, faster by forging partnerships between CDC and others to fight threats to health and safety.

#### Vision

Save and improve lives by unleashing the power of collaboration.

- Independent 501(c)(3) nonprofit
- Created by Congress
- Designed to create philanthropic and private-sector partnerships with CDC to support critical health protection work





### **Bob Keegan Polio Eradication Heroes Award Fund**



Bob Keegan former Deputy Director, Global Immunization Division, CDC **Purpose:** To recognize health workers and volunteers who have lost their lives or incurred serious injury as a direct result of polio eradication activities.

 Approximately 20 million volunteers have participated in polio eradication immunization campaigns.





CDC Foundation

### **Bob Keegan Polio Eradication Heroes Fund Awardee**



Mr. W's widow and two children receive the Bob Keegan Polio Eradication Heroes Award

#### Mr. Wajid Ali Abid | Pakistan

Fatality: The late Mr. W. was killed in an ambush in April 2019. He had attempted to convince a tribal leader to vaccinate his child in a door-to-door campaign. He was seriously injured and called his colleague for help. Shortly after, he called back to record a last audio message before his death.

W. was the sole provider for his impoverished tribal family. He left behind his widow and two small children, a girl and a boy (twins) both two years of age.



### **Bob Keegan Polio Eradication Heroes Fund Impact**





## **Bob Keegan Polio Eradication Heroes Award Fund:**

### A Call to Action https://give.cdcfoundation.org/Polio22







hank you!





#### **POLIC GLOBAL ERADICATION INITIATIVE**

## Sustainable Financing & Flexible Funding for Polio Eradication

April 21, 2022





## Discussion

### Sustainable Financing & Flexible Funding for Polio Eradication





Note: Gavi requirements of \$122.2 million are not included in this slide



#### **POLIC GLOBAL ERADICATION INITIATIVE**

## **Programmatic and Strategy Updates**

April 21, 2022





# Thank you!







