

Highlights



Children
Paralyzed
by polio

2022

- 22 cases of Wild Polio 1
 - 02 in Afghanistan
 - 20 in Pakistan

- 168 cases of cVDPV2
 - 05 in Somalia
 - 162 in Yemen
 - 01 in Sudan

- Zero cVDPV1 cases

2023

- Zero case of Wild Polio 1

- 1 case of cVDPV2
 - 01 in Somalia

- Zero case of cVDPV1



Sewage
water
sampling

2022

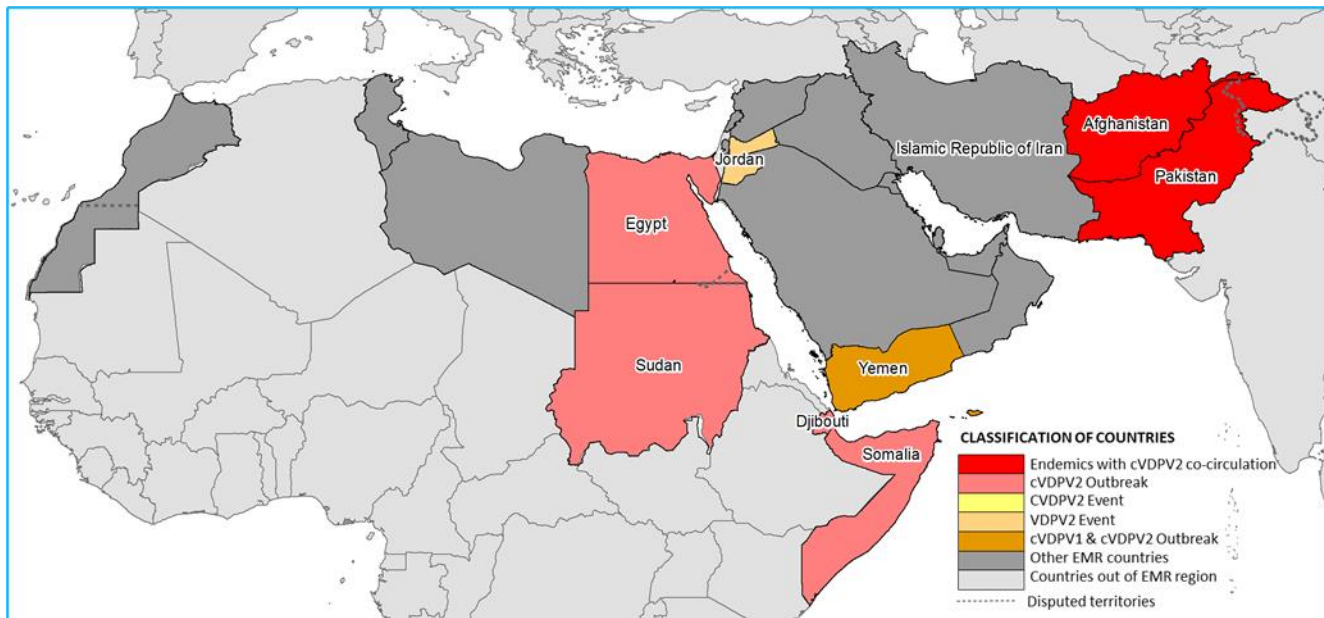
- 59 samples Wild Polio 1
 - 22 in Afghanistan
 - 37 in Pakistan

- 44 samples cVDPV2
 - 06 in Egypt
 - 12 in Djibouti
 - 05 in Somalia
 - 01 in Sudan
 - 20 in Yemen

2023

- 11 samples Wild Polio 1
 - 09 in Afghanistan
 - 02 in Pakistan

- Zero samples of cVDPV2



Highlights of the week

Wild Poliovirus

- No new Wild Poliovirus isolates from human or environmental samples reported this week. The WPV1 cases count in 2022 remains to be 22 cases (2 from Afghanistan and 20 from Pakistan) and no human cases reported in 2023 – while in 2023 to date the positive WPV1 ES count remains to be 11 (9 in Afghanistan and 2 in Pakistan) and in 2022, the count remains to be 59 (22 in Afghanistan and 37 in Pakistan).

Circulating Vaccine derived poliovirus (cVDPV)

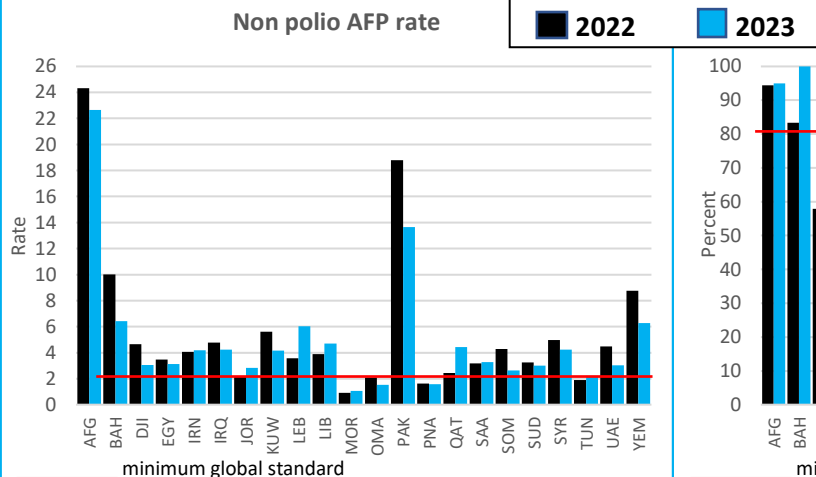
- Human Cases:** Two new cVDPV2 cases reported this week – one in Yemen in 2022 and the other is the first from Somalia in 2023. The cVDPV2 count in 2022 to date is 168 from: Sudan (1); Somalia (5); and Yemen (162).
- Yemen:** The case is identified as cVDPV2 from two positive contacts and belong to Gulf Shamir district of Hajjah province, with a date of onset on 15th October 2022.
- Somalia:** The cVDPV2 case is from Kurtunwaarey district of Lower Shabelle province, with date of onset on 12th January 2023.
- Environmental Samples (ES):** one new cVDPV2 positive ES from Somalia in 2022 reported this week. In 2022 to date; the positive ES samples' count is 44 from: Sudan (1); Somalia (5); Egypt (6); Djibouti (12); and Yemen (20).

Regional activities

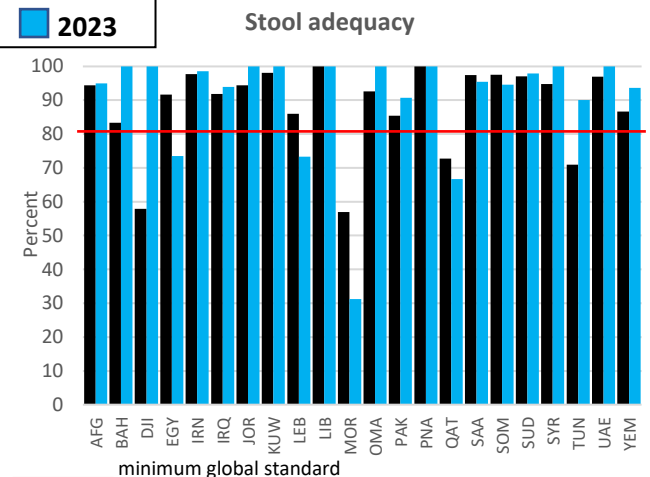
- A WHO/EMRO technical support visit for surveillance and certification took place from 20-24 February 2023 in Lebanon.

Wild Poliovirus type-1 (WPV1) Vaccine-derived Poliovirus (VDPV)

Non polio AFP rate

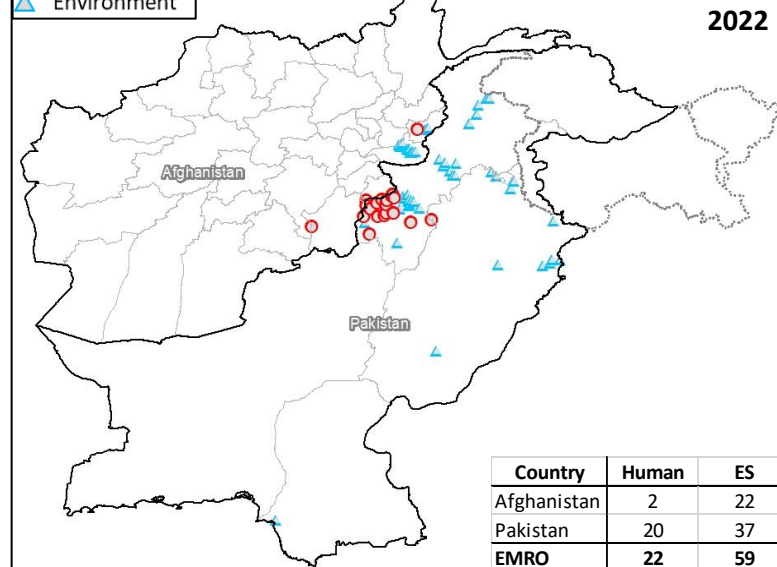
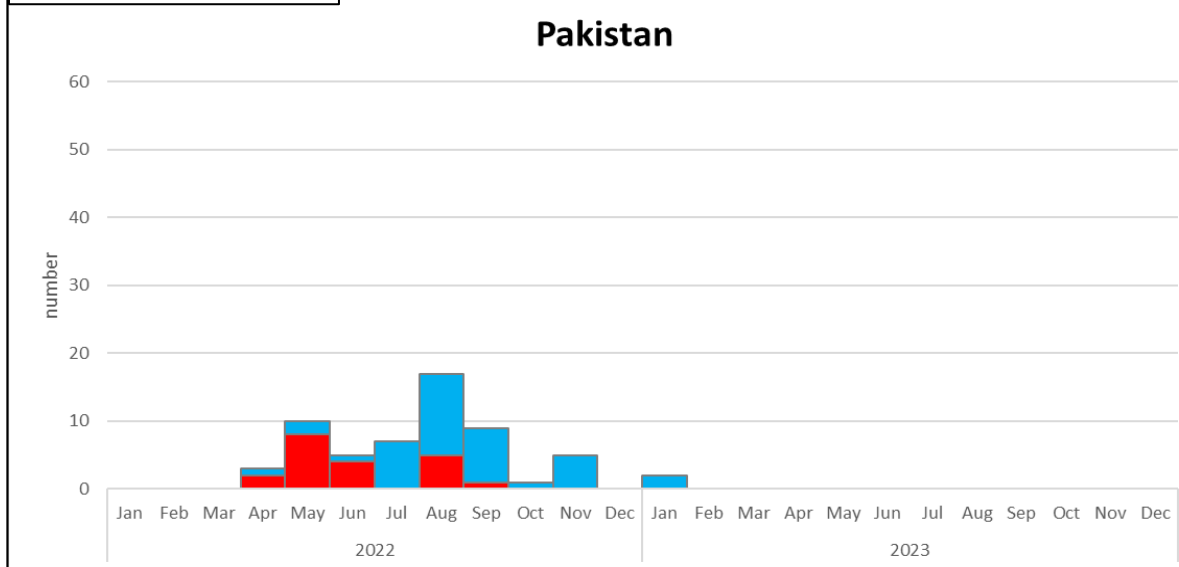
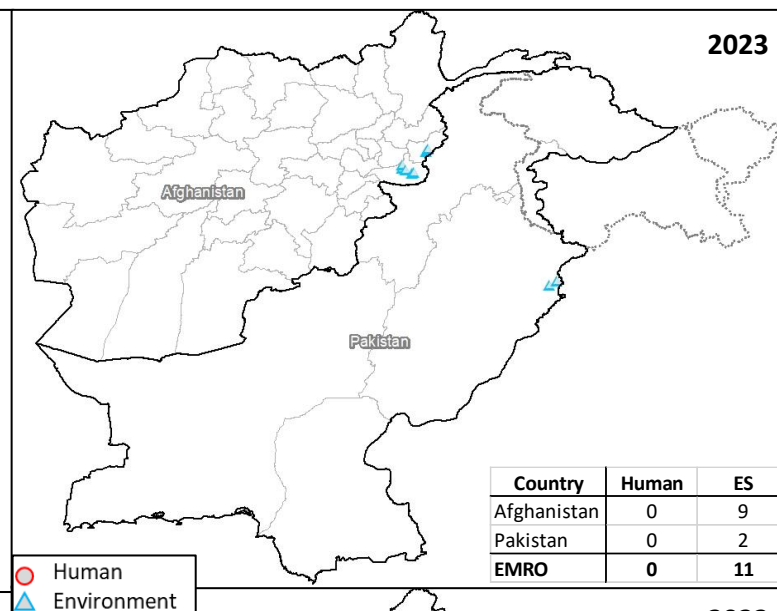
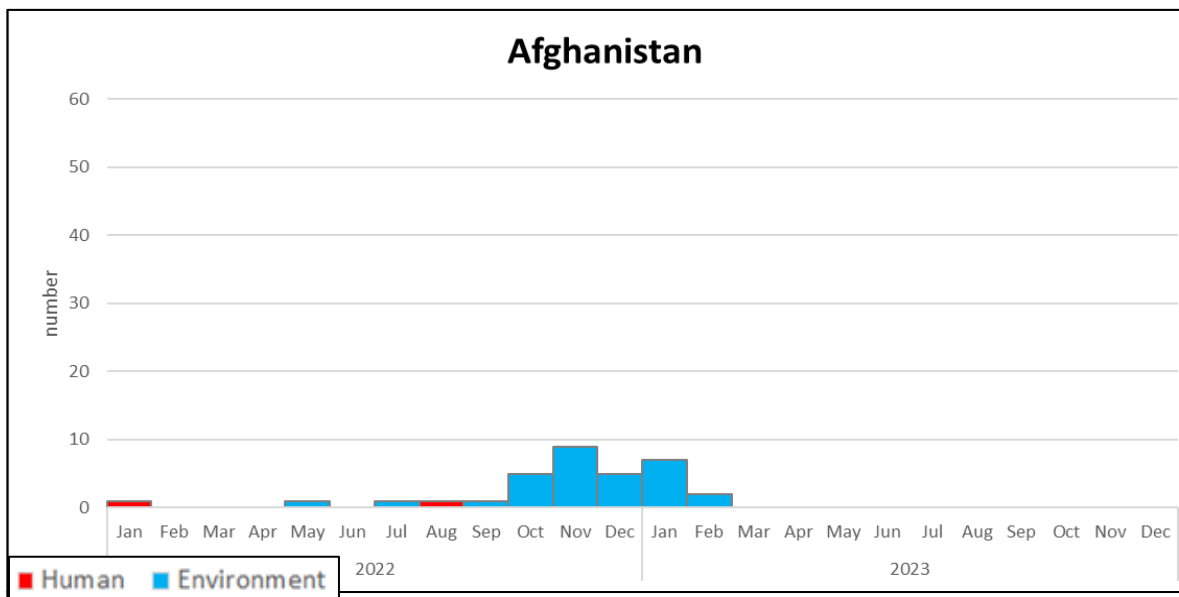


Stool adequacy



WPV1 Positive isolates from Afghanistan and Pakistan by source

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Virus isolation by country, last 12 months (Feb. 26, 2022 to Feb. 26, 2023)

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Source / Virus type	AFG	DJI	PAK	EGY	JOR	SOM	SUD	YEM	Total
Human (AFP only)	1		20			6	1	112	140
Wild	1		20						21
cVDPV2						4	1	112	117
aVDPV2						2			2
VDPV2									
Environment	31	9	39	5	2	6	1	24	117
Wild	31		39						70
cVDPV2		9		5		5	1	23	43
aVDPV2									
VDPV2					2	1		1	4
Total	32	9	59	5	2	12	2	136	257

Note: Viruses isolated from 'other' sources (example healthy children) are not included in this analysis; they are shown in page No. (8)

Confirmed Wild Polio 1 Cases by month of onset

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Country	Total year 2021	Total year 2022	26 Feb.		Confirmed Wild Polio 1 Cases by month of onset												Recent most Case
					2022										2023		
			2022	2023	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Afghanistan	4	2	1	0	0	0	0	0	0	0	1	0	0	0	0		29-Aug-22
Bahrain	0	0	0	0	0	0	0	0	0	0	0	0	0				
Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Egypt	0	0	0	0	0	0	0	0	0	0	0		0	0			
Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Iraq	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Jordan ****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kuwait	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Lebanon ****	0	0	0	0	0	0	0	0	0	0	0	0	0				
Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Morocco	0	0	0	0	0	0	0	0		0	0	0	0		0		
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	1	20	0	0	0	2	8	4	0	5	1	0	0				15-Sep-22
Palestine ****	0	0	0	0	0	0	0	0	0	0	0	0	0		0		
Qatar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Somalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Syria ****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	0				
U.A.E	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0				
EMR	5	22	1	0	0	2	8	4	0	6	1	0	0	0	0	0	15-Sep-22

**** UNRWA cases are included with those of country of residence

Investigation of AFP cases with paralysis onset in 2022 & 2023

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COUNTRY	2023									2022									Line List
	AFP cases	Case classification						Surveillance indicators		AFP cases	Case classification						Surveillance indicators		Date of latest
		Total Confirmed WPV1 Polio Cases	Polio Compatible	Discarded (non Polio AFP)	VDPV	Pending classification > 90 days from onset	Pending LAB classification > 90 days from onset	Annualized Non polio AFP rate	% with adequate specimens		Total Confirmed WPV1 Polio Cases	Polio Compatible	Discarded (non polio AFP)	VDPV	Pending classification > 90 days from onset	Pending LAB classification > 90 days from onset	Annualized Non polio AFP rate	% with adequate specimens	
AFGHANISTAN	779	0	0	454	0	0	0	22.65	94.99	5367	2	0	5331	1	16	0	24.32	94.43	26-Feb-23
BAHRAIN	3	0	0	0	0	0	0	6.42	100.00	30	0	0	27	0	1	0	10.02	83.33	26-Feb-23
DJIBOUTI	2	0	0	0	0	0	0	3.05	100.00	19	0	0	19	0	0	0	4.65	57.89	25-Feb-23
EGYPT	196	0	0	97	0	0	0	3.14	73.47	1394	0	0	1378	0	9	0	3.48	91.61	23-Feb-23
IRAN	138	0	0	75	0	0	0	4.19	98.55	824	0	0	824	0	0	0	4.06	97.69	25-Feb-23
IRAQ	115	0	0	61	0	0	0	4.23	93.91	835	0	0	830	0	1	0	4.78	91.86	25-Feb-23
JORDAN	18	0	0	10	0	0	0	2.84	100.00	89	0	0	87	0	0	0	2.14	94.38	23-Feb-23
KUWAIT	6	0	0	2	0	0	0	4.15	100.00	52	0	0	52	0	0	0	5.62	98.08	20-Feb-23
LEBANON	15	0	0	1	0	0	0	6.03	73.33	57	0	0	48	0	8	0	3.58	85.96	26-Feb-23
LIBYA	19	0	0	12	0	0	0	4.69	100.00	101	0	0	101	0	0	0	3.89	100.00	25-Feb-23
MOROCCO	16	0	0	3	0	0	0	1.06	31.25	93	0	0	52	0	32	1	0.91	56.99	24-Feb-23
OMAN	3	0	0	1	0	0	0	1.53	100.00	27	0	0	27	0	0	0	2.10	92.59	20-Feb-23
PAKISTAN	2151	0	0	1510	0	0	0	13.65	90.66	18977	20	1	18586	0	171	0	18.80	85.38	26-Feb-23
PALESTINE	5	0	0	0	0	0	0	1.59	100.00	33	0	0	28	0	0	0	1.64	100.00	26-Feb-23
QATAR	3	0	0	0	0	0	0	4.42	66.67	11	0	0	11	0	0	0	2.44	72.73	26-Feb-23
SAUDI ARABIA	44	0	0	0	0	0	0	3.29	95.45	274	0	0	255	0	0	0	3.18	97.45	26-Feb-23
SOMALIA	37	0	0	22	1	0	0	2.64	94.59	356	0	0	349	6	0	0	4.28	97.47	26-Feb-23
SUDAN	96	0	0	25	0	0	0	3.00	97.92	650	0	0	648	1	1	0	3.25	97.08	23-Feb-23
SYRIA	51	0	0	33	0	0	0	4.25	100.00	382	0	0	382	0	0	0	4.96	94.76	25-Feb-23
TUNISIA	10	0	0	4	0	0	0	2.23	90.00	55	0	0	49	0	0	0	1.91	70.91	24-Feb-23
U.A.E.	7	0	0	0	0	0	0	3.04	100.00	66	0	0	57	0	5	0	4.47	96.97	24-Jan-23
YEMEN	156	0	0	4	0	0	0	6.27	93.59	1377	0	1	1188	162	7	0	8.76	86.64	26-Feb-23
EMR POL	3870	0	0	2314	1	0	0	8.52	91.37	31069	22	2	30329	170	251	1	10.75	88.39	

* Confirmed polio cases refer to wild isolation from AFP cases or from contacts of negative index AFP cases

** Non-polio AFP per 100,000 children <15 years

*** Adequate here refers to two stool specimens collected at least 24 hours apart, with 14 days of paralysis onset and specimens received in the lab in 'Good Condition'

**** Includes all VDPV cases. Further details available in page (8)

For further details on Contacts click: [detail of contact samples](#)

Laboratory investigation of AFP cases with paralysis onset in 2023

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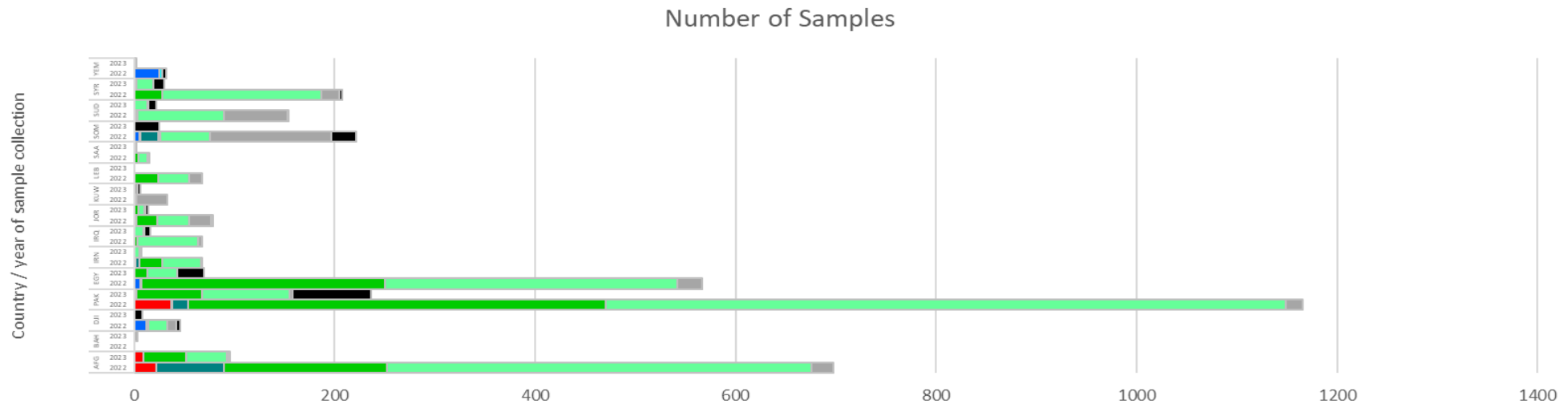
Country	Polio laboratories	AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results												Indicators				Latest report Date	
	ITD / Nucleotide Sequencing		Referred for ITD		NPEV only	Negative	Pending		Type 1			Type 2			Type 3			Discordant pending sequence	NPEV by PCR	Non-EV	Pending ITD	% specimens positive for NPEV*	% AFP cases with culture results within 14 days	% AFP cases with ITD results within 7 days		% AFP cases with ITD results within 45 days of onset**
	Sequencing performed by CDC and RIVM laboratories		L20B+	L20B+ / NPEV			received within last 14 days	received more than 14 days ago	Wild	Sabin	VDPV	Wild	Sabin	VDPV	Wild	Sabin	VDPV									
Afghanistan	RRL Pakistan	746	32	1	56	385	131	1		18						21					4	9%	100%	100%	100%	26-Feb-23
Bahrain	NPL Oman / CDC																									23-Feb-23
Djibouti	NPL Kenya / CDC	2					1	1																		25-Feb-23
Egypt	RRL Egypt	171	1		15	104	49	2		1												12%	92%	100%	100%	22-Feb-23
Iran	NPL Iran / CDC	157				123	34															0%	100%		100%	25-Feb-23
Iraq	NPL Iraq, RRL Egypt	116	1		8	81	24	2								1						8%	100%	100%	100%	23-Feb-23
Jordan	NPL Jordan, RRL Egypt	18			3	8	7															27%	100%		100%	26-Feb-23
Kuwait	RRL Kuwait / RIVM	6				3		3														0%	100%		100%	16-Feb-23
Lebanon	NPL Jordan, NPL Syria, RRL Egypt	4				4																0%	100%			23-Feb-23
Libya	RRL Tunisia / RIVM	12				3		9														0%	100%		100%	12-Feb-23
Morocco	NPL Morocco, RRL Tunisia	15			1	10	4															3%	100%		100%	24-Feb-23
Oman	NPL Oman / CDC	4				2	2															0%	100%		100%	23-Feb-23
Pakistan	RRL Pakistan	2135	92		131	1410	480	11		52						73					1	6%	100%	100%	100%	26-Feb-23
Palestine & UNRWA		5				4	1															0%	75%		100%	26-Feb-23
Qatar	NPL Oman / CDC	1					1																			23-Feb-23
Saudi Arabia	NPL Saudi Arabia / CDC	34	1		1	17		15		1												5%	100%	100%	100%	12-Feb-23
Somalia	NPL Kenya / CDC	37	1		4	19	2	11							1						1	17%	17%		100%	26-Feb-23
Sudan	NPL Sudan / RRL Egypt	102	1		16	57	28									1						20%	99%	100%	100%	23-Feb-23
Syria	NPL Syria / RRL Egypt	48			1	32	15															6%	100%			23-Feb-23
Tunisia	RRL Tunisia	36			1	12		23														6%	100%		100%	12-Feb-23
U.A.E	NPL Oman / CDC																									23-Feb-23
Yemen	NPLs Oman, Jordan & Kenya, RRL Egypt	2				2																0%	0%		100%	26-Feb-23
Total EMR 2023		3651	129	1	237	2276	779	78		72				1		96					6	7%	99%	100%	100%	
Total EMR 2022		30431	1065	119	4827	24383	15	18	22 *	555	1		38	169 **		721		6	8	2	3	13%	93%	89%	93%	

* In 2022 - Three WPV1 cases are confirmed due to positive contacts (Index cases were negative for WPV1)

** In 2022 - Five cVDPV2 cases are identified by positive contacts (Index cases were negative for cVDPV2)

Environmental Surveillance Isolation by Classification

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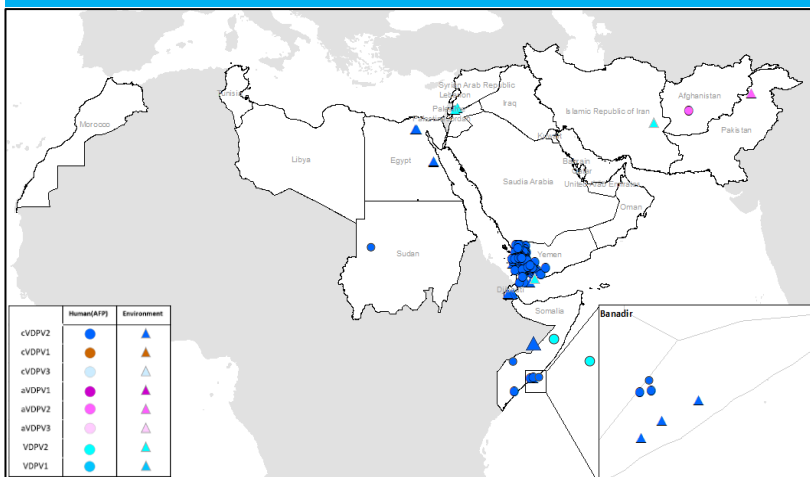


	AFG		BAH		DJI		PAK		EGY		IRN		IRQ		JOR		KUW		LEB		SAA		SOM		SUD		SYR		YEM	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
Wild	22	9					37	2																						
cVDPV2					12				6														5		1				25	
Wild+cVDPV2																														
Wild+aVDPV2																														
Wild+aVDPV3																														
aVDPV1																														
aVDPV2							1																							
aVDPV3																														
VDPV1																														
VDPV2									1		1			2									1						3	
SL2	68				2		16				4											18								
SL1/3	162	43					416	66	243	13	23		3		21	4			24		4		2		2		28	2		
Entero	424	41			19		679	87	292	30	39	5	61	9	32	6	2		31		9	2	50		87	13	159	17		
Negative	22	2		3	9		17	3	25		1		4	1	22	1	31	3	13		2		121		63	1	18			
Pending		1			4	8		78		27		2		6	2	3		3					24	25	1	8	3	11	4	2

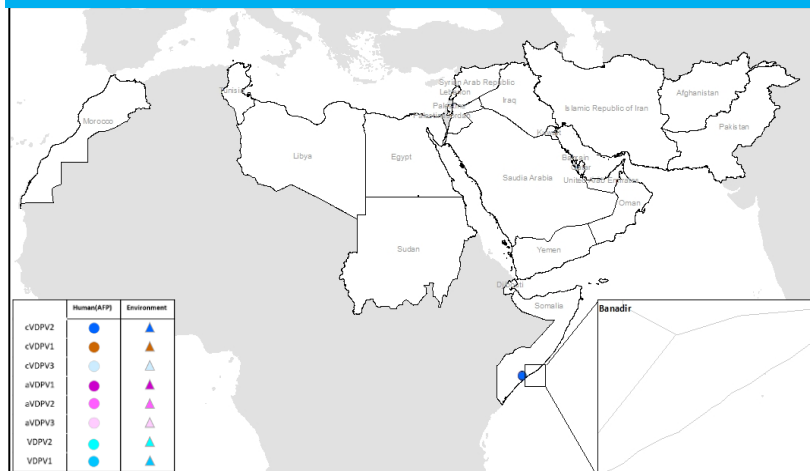
VDPVs isolations by Source and Country

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VDPV Isolates, EMR countries, 2022



VDPV Isolates, EMR countries, 2023



VDPVs isolated from 2018-2023

[illegible]

Important Links

- [Global Polio Eradication Initiative](#)
- [IMST – Outbreak Response Dashboard](#)
- [nOPV2 Tracker](#)
- [Pol-MIS](#) (restricted to registered users)
- [Containment](#) (restricted to registered users)
- [Certification \(e-ACR\)](#) (restricted to registered users)