

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

- 6 cases of Wild Polio 1
 - 05 in Afghanistan
 - 01 in Pakistan

- 2 cases of cVDPV2
 - 02 in Somalia

- Zero case of cVDPV1



Sewage
water
sampling

2022

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

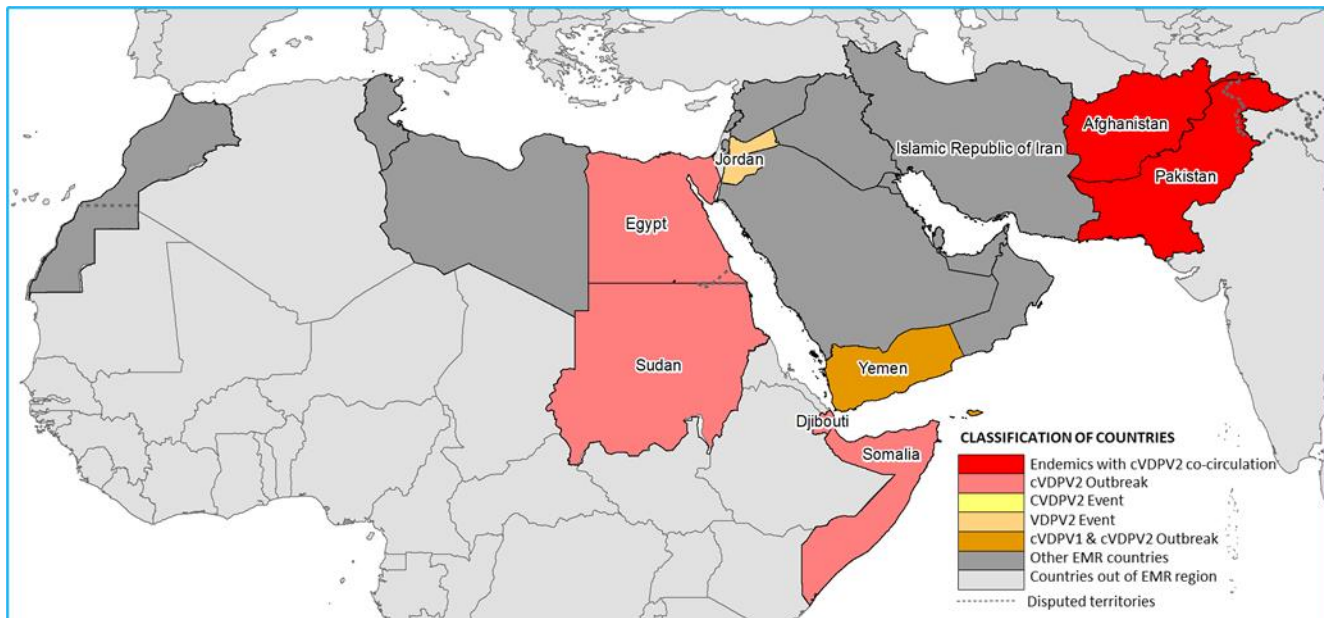
- 50 samples cVDPV2
 - 06 in Egypt
 - 12 in Djibouti
 - 06 in Somalia
 - 01 in Sudan
 - 25 in Yemen

2023

- 41 samples Wild Polio 1
 - 29 in Afghanistan
 - 12 in Pakistan

- Zero samples of cVDPV2

Classification of EMR countries by type of poliovirus circulation



Highlights of the week

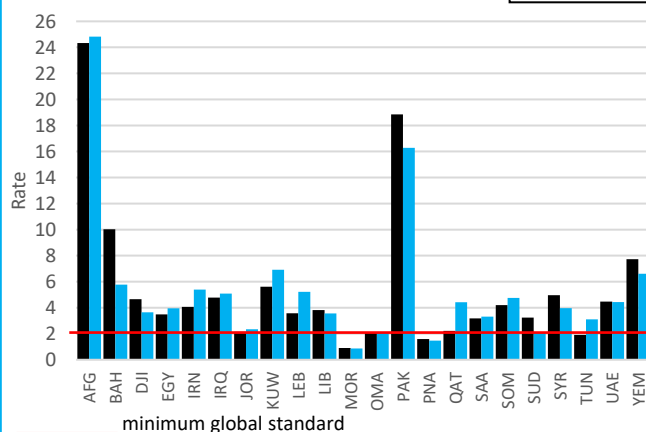
Wild Poliovirus

- No new WPV1 cases reported this week. The WPV1 cases count in 2023 till date is 6 (5 from Afghanistan and 1 from Pakistan) while in 2022, the WPV1 cases count remains to be 22 cases (2 from Afghanistan and 20 from Pakistan).
- One new WPV1 positive environmental samples reported this week from Peshawar – KP Province with date of collection on 05th of June. The positive WPV1 ES count in 2023 is 41 (29 in Afghanistan and 12 in Pakistan), while in 2022, the count remains to be 59 (22 in Afghanistan and 37 in Pakistan).

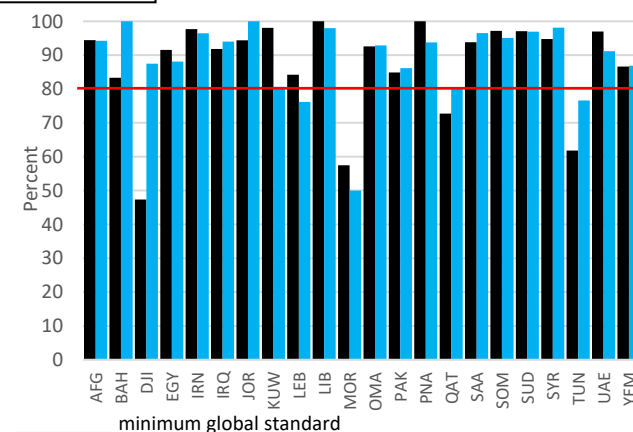
Circulating Vaccine derived poliovirus (cVDPV)

- No new cVDPV isolates from human or environmental samples reported this week.
 - In 2023 the count of cVDPV2 cases remains to be 2 (both from Somalia) while the count in 2022 is 168 cases (1 from Sudan, 5 from Somalia and 162 from Yemen).
 - In 2022 to date, the positive cVDPV2 ES count remains to be 50 (1 in Sudan, 6 in each of Egypt and Somalia, 12 in Djibouti and 25 in Yemen) and no cVDPV2 ES reported in 2023 till date.

Non polio AFP rate



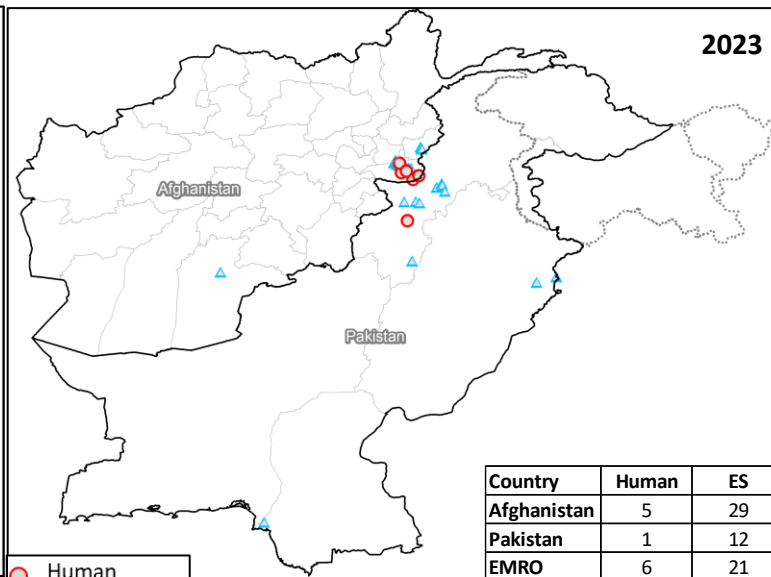
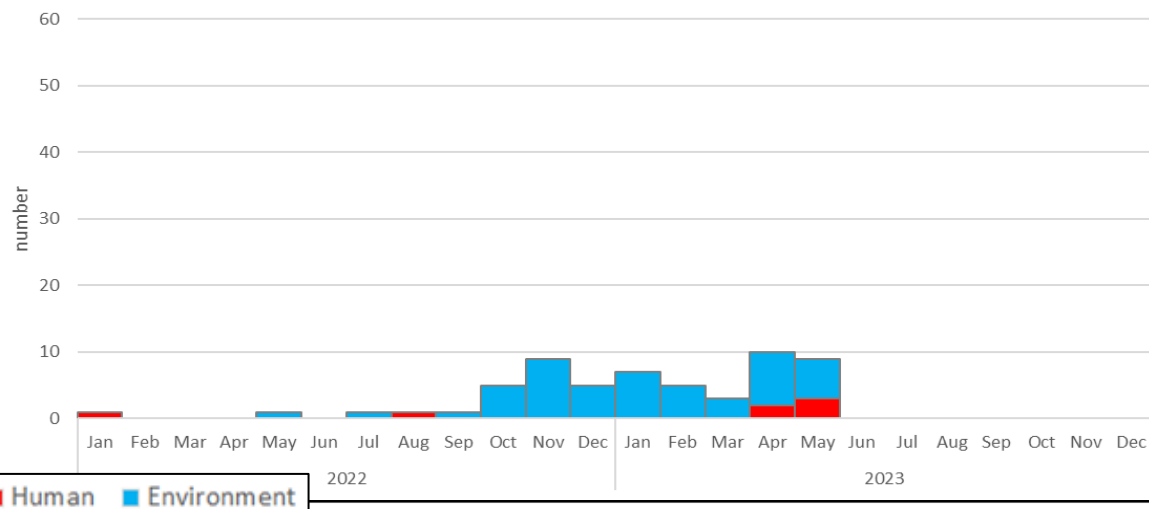
Stool adequacy



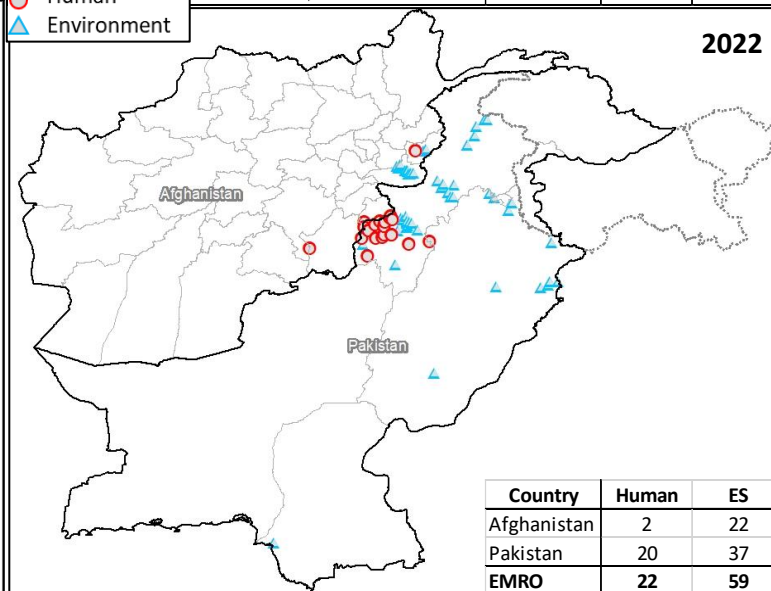
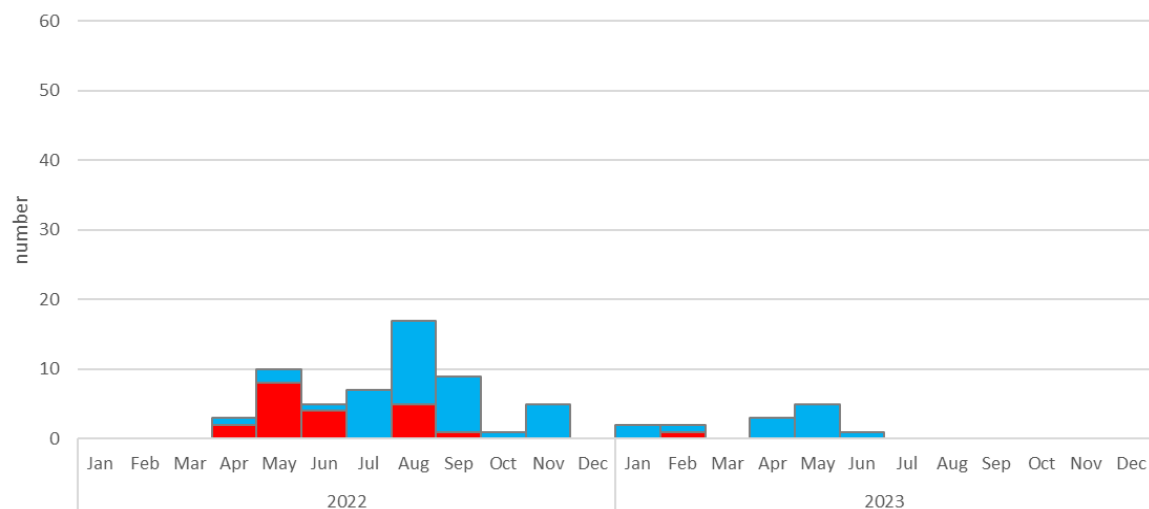
WPV1 Positive isolates from Afghanistan and Pakistan by source

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Afghanistan



Pakistan



Virus isolation by country, last 12 months (July 09, 2022, to July 09, 2023)

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Source / Virus type	AFG	PAK	EGY	SOM	SUD	YEM	Total
Human (AFP only)	6	7		6	1	28	48
Wild	6	7					13
cVDPV2				4	1	28	33
aVDPV2				2			2
Environment	50	44	1	3	1	13	112
Wild	50	44					94
cVDPV2			1	3	1	13	18
aVDPV2							
Total	56	51	1	9	2	41	160

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	09-Jul		Confirmed Wild Polio 1 Cases by month of onset												Recent most Case
					2022					2023							
			2022	2023	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Jul	
Afghanistan	4	2	1	5	1	0	0	0	0		0	0	2	3			18-May-23
Bahrain	0	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						
Iran	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				
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		0		
Libya	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		
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Pakistan	1	20	14	1	5	1	0	0		0	1	0	0				20-Feb-23
Palestine ****	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		
Saudi Arabia	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				
Sudan	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				
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					
Yemen	0	0	0	0	0	0	0	0	0	0	0	0					
EMR	5	22	15	6	6	1	0	0	0	0	1	0	2	3			18-May-23

**** 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	(non polio Discarded 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	2915	5	0	2622	0	6	4	24.69	94.2	5368	2	0	5365	1	0	0	24.33	94.4	09-Jul-23
Bahrain	9	0	0	5	0	1	0	5.74	100.0	30	0	0	30	0	0	0	10.02	83.3	09-Jul-23
Djibouti	8	0	0	5	0	0	0	3.63	87.5	19	0	0	19	0	0	0	4.65	47.4	09-Jul-23
Egypt	850	0	0	678	0	12	1	3.94	88.1	1394	0	0	1394	0	0	0	3.48	91.5	06-Jul-23
Iraq	466	0	0	428	0	10	0	5.06	94.0	835	0	0	835	0	0	0	4.78	91.9	07-Jul-23
Islamic Republic of Iran	592	0	0	555	0	0	0	5.36	96.5	824	0	0	824	0	0	0	4.06	97.7	09-Jul-23
Jordan	53	0	0	47	0	0	0	2.33	100.0	89	0	0	89	0	0	0	2.14	94.4	02-Jul-23
Kuwait	31	0	0	31	0	0	0	6.88	80.6	52	0	0	52	0	0	0	5.62	98.1	25-Jun-23
Lebanon	42	0	0	24	0	5	0	5.20	76.2	57	0	0	57	0	0	0	3.58	84.2	19-Jun-23
Libya	49	0	0	37	0	1	0	3.54	98.0	99	0	0	99	0	0	0	3.82	100.0	17-Jun-23
Morocco	54	0	0	18	0	24	2	0.86	50.0	94	0	0	88	0	5	1	0.91	57.4	12-Jun-23
Oman	14	0	0	14	0	0	0	2.13	92.9	27	0	0	27	0	0	0	2.10	92.6	25-Jun-23
Pakistan	8293	1	0	7568	0	103	0	16.20	86.2	19032	20	1	19009	0	2	3	18.85	84.9	09-Jul-23
Palestine	16	0	0	7	0	2	1	1.47	93.8	33	0	0	32	1	0	0	1.59	100.0	02-Jul-23
Qatar	10	0	0	3	0	4	0	4.40	80.0	11	0	0	11	0	0	0	2.22	72.7	11-Jun-23
Saudi Arabia	144	0	0	98	0	0	0	3.29	96.5	274	0	0	274	0	0	0	3.18	93.8	09-Jul-23
Somalia	224	0	0	202	2	0	0	4.73	95.1	356	0	0	349	7	0	0	4.20	97.2	09-Jul-23
Sudan	229	0	0	154	0	29	22	2.12	96.9	650	0	0	649	1	0	0	3.24	97.1	08-Jun-23
Syrian Arab Republic	160	0	0	142	0	0	0	3.94	98.1	382	0	0	382	0	0	0	4.96	94.8	07-Jul-23
Tunisia	47	0	0	42	0	0	1	3.09	76.6	55	0	0	55	0	0	0	1.91	61.8	04-Jul-23
United Arab Emirates	34	0	0	18	0	8	1	4.40	91.2	66	0	0	66	0	0	0	4.47	97.0	09-Jul-23
Yemen	549	0	0	365	0	15	4	6.58	86.9	1377	0	1	1214	162	0	0	7.73	86.6	08-Jul-23
EMR POL	14789	6	0	13063	2	220	36	9.69	89.0	31124	22	2	30920	172	7	4	10.71	88.0	

* 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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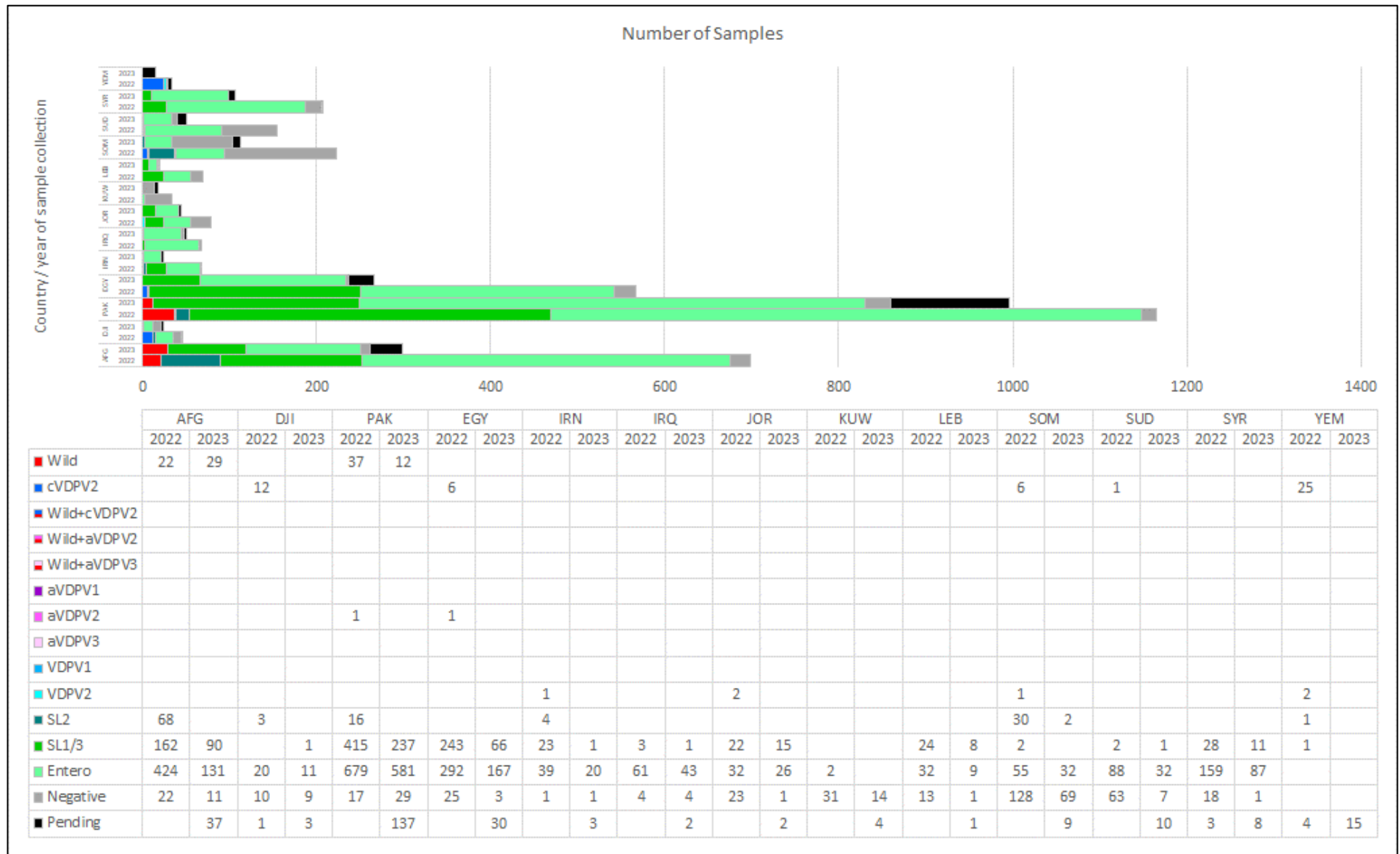
Country	Polio laboratories	AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results											Indicators				Latest report Date		
	ITD Nucleotide Sequencing Sequencing performed by CDC and RIVM laboratories		Referred for ITD		NPEV only	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**
			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	2879	148	15	314	2188	54	24	4	102						121		2	2		10%	91%	100%	98%	09-07-23	
Bahrain	PNL Oman	8				7	1														0%	100%		14%	04-07-23	
Djibouti	PNL Kenya	6			1	4		1													20%	100%		100%	07-07-23	
Egypt***	RRL Egypt	812	7		60	655	25	66		5						5					7%	97%	100%	100%	06-07-23	
Iran	PNL Iran	600	7		5	563	24	1		5						3					1%	100%	100%	99%	08-07-23	
Iraq	PNL Iraq, RRL Egypt	469	3		31	405	18	12		2						2					8%	100%	100%	99%	06-07-23	
Jordan	PNL Jordan, RRL Tunisia	53			10	42	1														18%	92%		100%	09-07-23	
Kuwait	RRL Kuwait	32			3	28		1													10%	100%		100%	03-07-23	
Lebanon	NPL Syria, NPL Jordan, RRL Egypt	42				42															1%	100%			09-07-23	
Libya	RRL Tunisia / RIVM	48	1		1	45		1		1											2%	96%	100%	100%	09-07-23	
Morocco	PNL Morocco, RRL Tunisia	57			2	55															4%	98%		91%	07-07-23	
Oman	PNL Oman / CDC	14			1	13															15%	100%		100%	04-07-23	
Pakistan	RRL Pakistan	7998	221	15	887	6670	111	69	1	137						179					10%	90%	100%	96%	09-07-23	
Palestine & UNRWA		16				13		3													0%	42%		100%	08-06-23	
Qatar	NPL Oman / CDC	10				10															0%	100%		100%	04-07-23	
Saudi Arabia	PNL Saudi Arabia	127	1		4	113		9		1											3%	100%	100%	99%	07-07-23	
Somalia	PNL Kenya	210	6		36	157		11		3			2	2		2					18%	5%		95%	07-07-23	
Sudan	PNL Sudan, RRL Egypt	212	7		28	152		25					2			1					14%	99%	100%	50%	13-04-23	
Syria	PNL Syria, RRL Egypt	159	1	1	7	145	5														5%	100%			09-07-23	
Tunisia	RRL Tunisia	46	0		3	40	1						1			1					3%	98%	100%	99%	09-07-23	
U.A.E	PNL Oman / CDC	26			1	25															4%	92%		19%	04-07-23	
Yemen	NPLs Oman, Jordan, Kenya / RRL Egypt	387	11		63	297		16		6			1			9					14%	13%	100%	8%	04-07-23	
Total EMR 2023		14211	415	31	1457	116669	240	239	5	262			6	2		323		2	2		9%	88%	100%	94%		
Total EMR 2022		30459	1066	119	4831	24430		0	22	556	2		38	169		723		6	8	2	1	13%	93%	89%	90%	

* 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

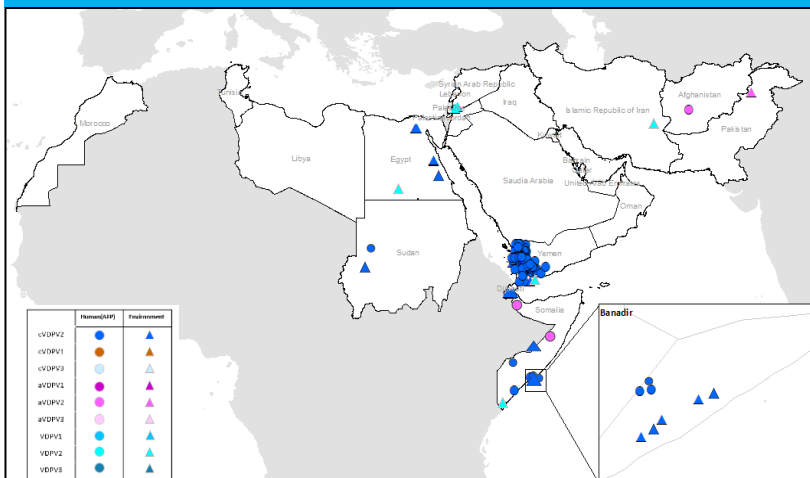
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VDPVs isolations by Source and Country

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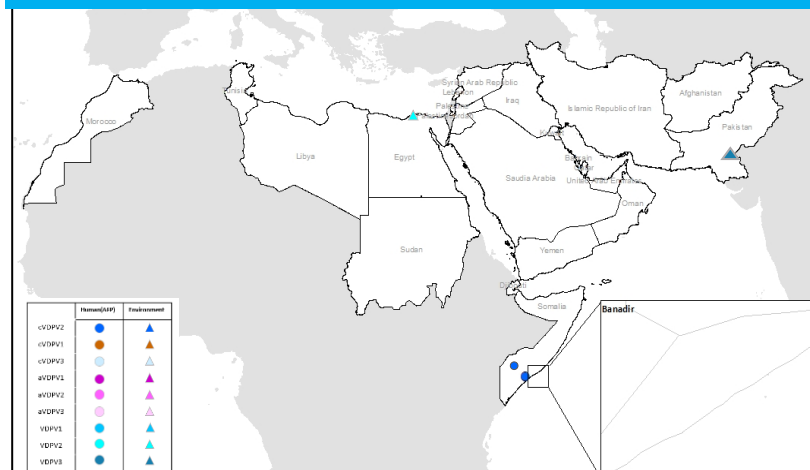
VDPV Isolates, EMR countries, 2022



VDPVs isolated from 2018-2023

VDPV Isolate type	EMR Country	Sources																											
		AFP cases(Human)						Contacts(Human)						Environment						Other Sources (Healthy Children)									
		2018	2019	2020	2021	2022	2023	Most recent	2018	2019	2020	2021	2022	2023	Most recent	2018	2019	2020	2021	2022	2023	Most recent	2017	2018	2019	2020	2021	2022	Most recent
cVDPV2	Afghanistan			307	43			09-07-21										174	40			23-06-21							
	Djibouti																		5	12			22-05-22						
	Egypt																		12	6			29-08-22						
	Iran																		3	1			20-02-21						
	Pakistan		22	135	8			23-04-21									38	135	35			11-08-21							
	Somalia	6	3	14	1	5	2	02-03-23	3	1	11		5		31-08-22	19	5	26	1	6		22-12-22		1		5		1	10-03-22
	Sudan			58		1		31-10-22			18				08-10-20			14		1		28-11-22			4				24-08-20
	Yemen					66	162	14-12-22				23	40		19-12-22			13	25			28-11-22							
cVDPV1	Yemen		1	31	3			27-03-21		2				10-07-19															
cVDPV3	Somalia	7						07-09-18	7					30-06-18	12						23-08-18								
aVDPV1	Afghanistan				1			22-02-21																					
	Egypt																	1				16-07-20							
	Pakistan																		1			10-02-21							
	Somalia			1				26-01-20																					
	Yemen					1		20-07-21																					
aVDPV2	Afghanistan		3	1	1			01-01-22		75	15	1		14-02-22			2	3				25-07-21							
	Egypt				1			30-05-21				1		14-06-21			1	67	1			12-01-22							
	Iran																	2				23-09-21							
	Pakistan		7	8				24-09-21	8	19	1			28-04-21		3	22	37	1			15-02-22							
	Somalia															2	1					03-02-19							
	Yemen				3			01-11-21			1			09-12-21															
aVDPV3	Afghanistan			1				23-06-20																					
	Egypt																2					30-09-20							
	Pakistan																		1			05-04-21							
	Libya			1				15-01-20																					
VDPV1	Egypt																	1				11-07-21							
VDPV2	Egypt						1	27-02-23																					
	Iran																		1			04-02-22							
	Jordan																		2			25-05-22							
	Somalia					1		01-09-22												1		22-04-23							
	Yemen																			3		24-04-22							
VDPV3	Pakistan																			1		14-02-23							

VDPV Isolates, EMR countries, 2023



Important links

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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)