

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

- 12 cases of Wild Polio 1
 - 06 in Afghanistan
 - 06 in Pakistan

- 9 cases of cVDPV2
 - 05 in Somalia
 - 04 in Yemen

- Zero case of cVDPV1



Sewage
water
sampling

2022

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

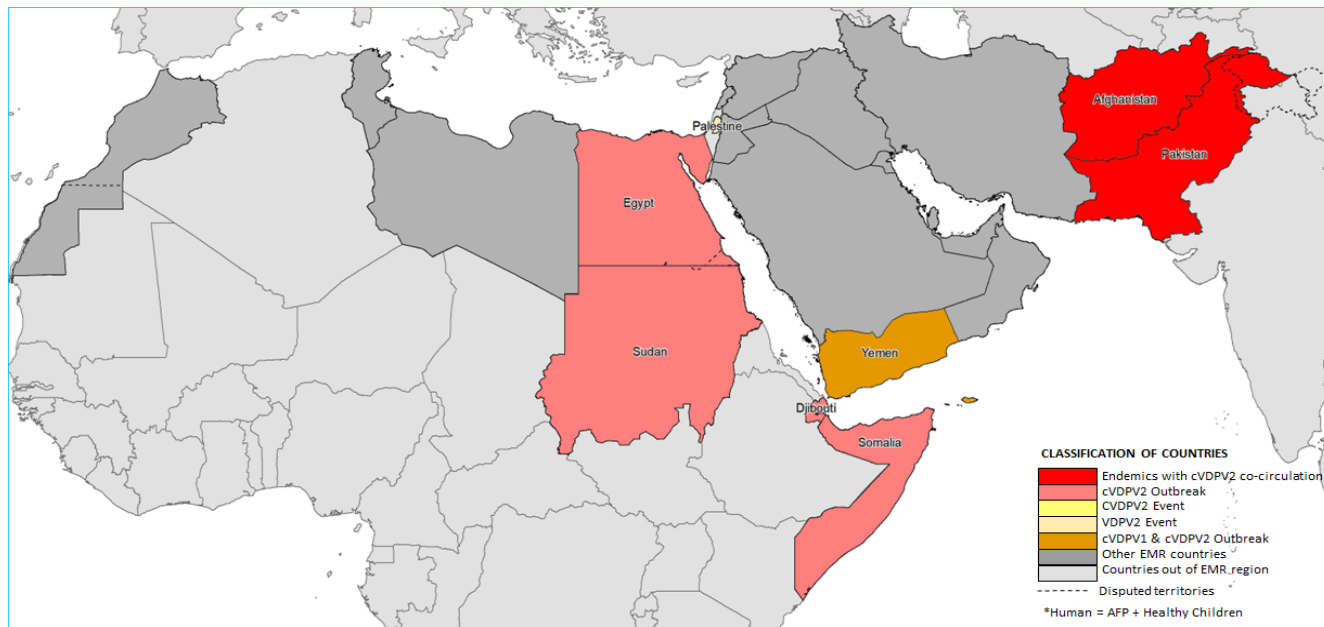
- 51 samples cVDPV2
 - 06 in Egypt
 - 12 in Djibouti
 - 06 in Somalia
 - 01 in Sudan
 - 26 in Yemen

2023

- 186 samples Wild Polio 1
 - 62 in Afghanistan
 - 124 in Pakistan

- 31 samples of cVDPV2
 - 09 in Somalia
 - 10 in Yemen
 - 08 in Egypt
 - 04 in Sudan

Classification of EMR countries by type of poliovirus circulation



Highlights of the week

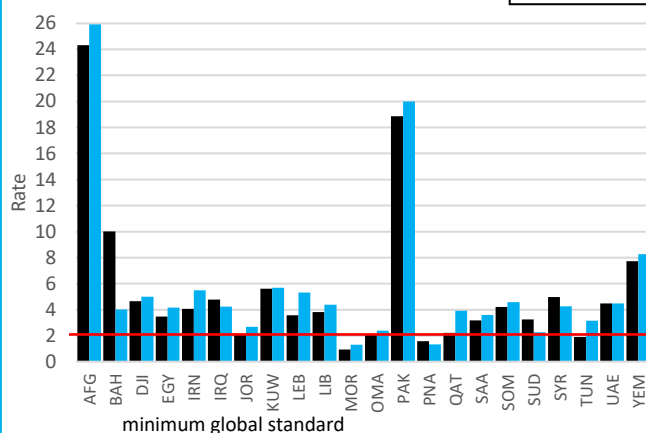
Wild Poliovirus

- No new WPV1 case reported this week. The WPV1 cases count in 2023 to date is 12 (6 each from Afghanistan and Pakistan) and in 2022, the WPV1 cases count remains to be 22 cases (2 from Afghanistan and 20 from Pakistan).
- No new WPV1 positive environmental samples (ES) reported this week. The total WPV1 positive environmental samples' count in 2023 to date is 186 (62 in Afghanistan and 124 in Pakistan). In 2022, the count remains to be 59 (22 in Afghanistan and 37 in Pakistan).

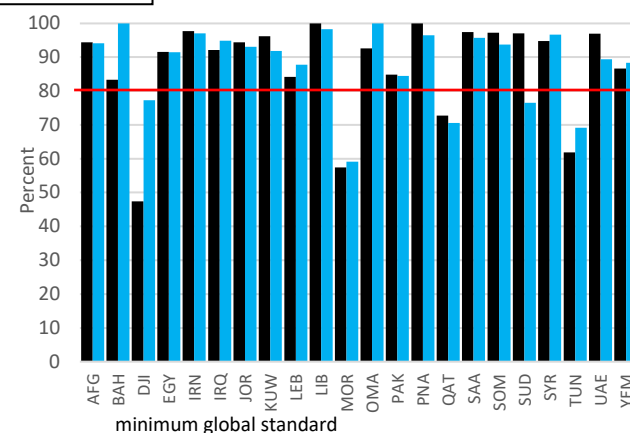
Vaccine derived poliovirus (VDPV)

- No new cVDPV2 case reported this week. The count of cVDPV2 cases in 2023 to date is 9 (5 from Somalia and 4 from Yemen) and in 2022 the count remains to be 168 cases (1 from Sudan, 5 from Somalia and 162 from Yemen).
- The cVDPV2 count in ES for 2023 to date is 31 (10 from Yemen, 9 from Somalia, 8 from Egypt, and 4 from Sudan), while in 2022, the count remains to be 51 (1 in Sudan, 6 in each of Egypt and Somalia, 12 in Djibouti and 26 in Yemen).

Non polio AFP rate



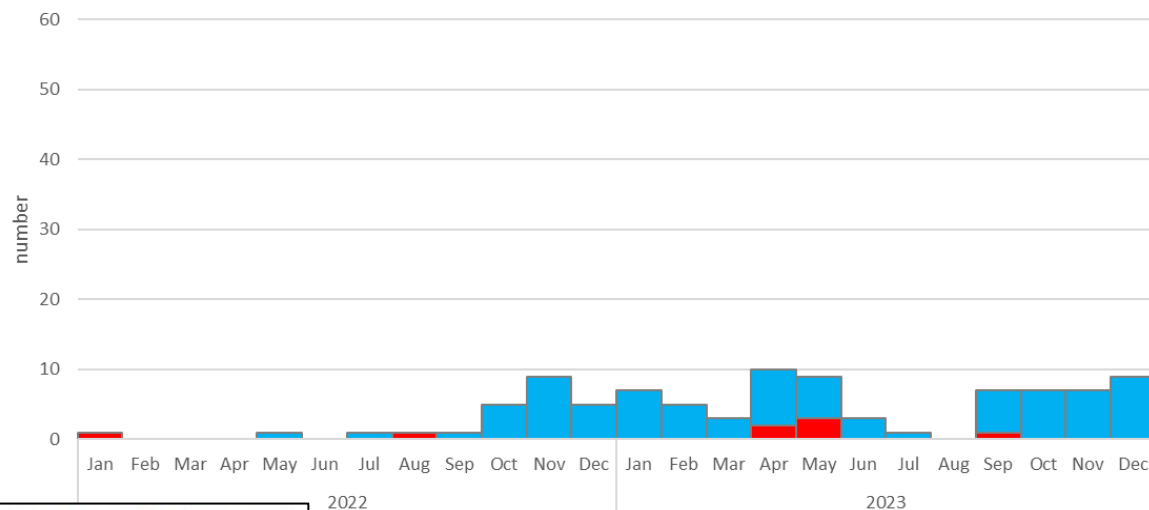
Stool adequacy



WPV1 Positive isolates from Afghanistan and Pakistan by source

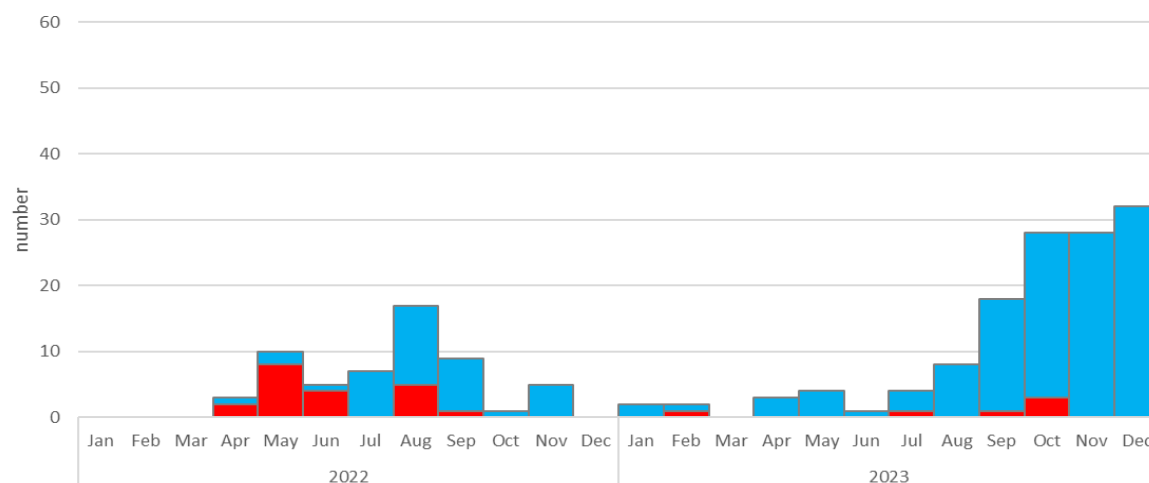
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Afghanistan

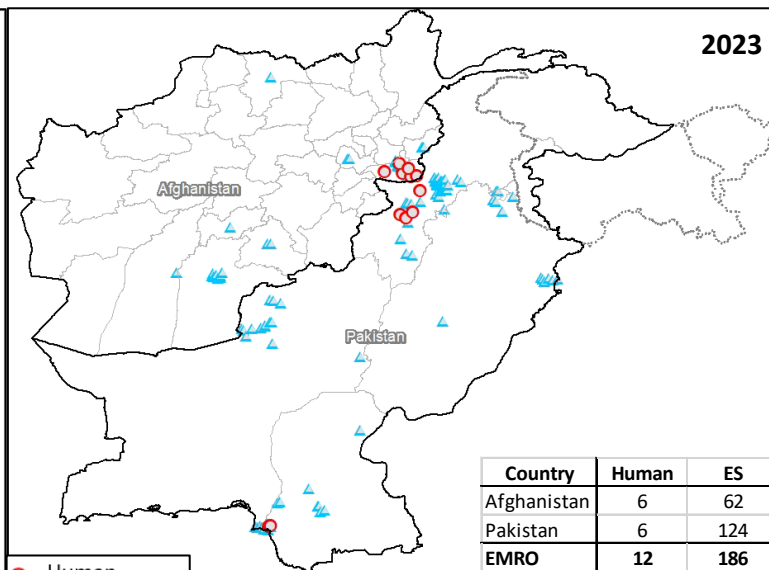


■ Human ■ Environment

Pakistan

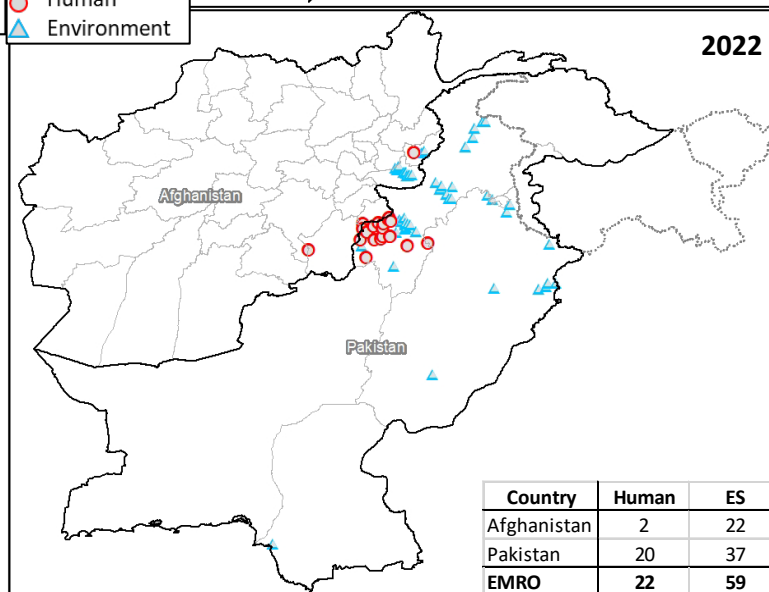


2023



○ Human
▲ Environment

2022



Virus isolation by country, last 12 months (Jan. 28, 2023, to Jan. 28, 2024)

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Source / Virus type	AFG	PAK	EGY	SOM	SUD	YEM	Total
Human (AFP only)	6	6	1	4		6	23
Wild	6	6					12
cVDPV2				4		4	8
aVDPV2						2	2
VDPV2			1				1
VDPV3							
Environment	55	123	12	9	4	12	215
Wild	55	122					177
cVDPV2			8	9	4	10	31
aVDPV2			4				4
VDPV2						2	2
VDPV3		1					1
Total	61	129	13	13	4	18	238

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 2022	Total year 2023	28 January		Confirmed Wild Polio 1 Cases by month of onset												Recent most Case
					2023												
			2023	2024	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
Afghanistan	2	6	0	0	0	0	2	3	0	0	0	1	0	0	0		04-Sep-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	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		
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	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							
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Pakistan	20	6	0	0	1	0	0	0	0	1	0	1	3	0	0		24-Oct-23
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			
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					
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	0	0		
Tunisia	0	0	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	22	12	0	0	1	0	2	3	0	1	0	2	3	0	0	0	24-Oct-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	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	5843	6	0	5798	0	11	1	25.92	94.1	5368	2	0	5365	1	0	0	24.33	94.4	28-Jan-24
Bahrain	12	0	0	10	0	2	1	4.01	100.0	30	0	0	30	0	0	0	10.02	83.3	28-Jan-24
Djibouti	22	0	0	9	0	4	0	4.99	77.3	19	0	0	19	0	0	0	4.65	47.4	28-Jan-24
Egypt	1714	0	0	1672	1	17	2	4.16	91.5	1394	0	0	1394	0	0	0	3.48	91.5	24-Jan-24
Iraq	745	0	0	674	0	30	15	4.24	94.9	835	0	0	835	0	0	0	4.78	92.1	27-Jan-24
Islamic Republic of Iran	1150	0	0	1144	0	0	0	5.49	97.0	824	0	0	824	0	0	0	4.06	97.7	27-Jan-24
Jordan	116	0	0	116	0	0	0	2.68	93.1	89	0	0	89	0	0	0	2.14	94.4	28-Jan-24
Kuwait	49	0	0	49	0	0	0	5.69	91.8	52	0	0	52	0	0	0	5.62	96.2	28-Jan-24
Lebanon	82	0	0	69	0	6	0	5.31	87.8	57	0	0	57	0	0	0	3.58	84.2	26-Jan-24
Libya	115	0	0	112	0	0	0	4.40	98.3	99	0	0	99	0	0	0	3.82	100.0	28-Jan-24
Morocco	154	0	0	42	0	67	13	1.31	59.1	94	0	0	92	0	2	1	0.93	57.4	19-Jan-24
Oman	30	0	0	30	0	0	0	2.38	100.0	27	0	0	27	0	0	0	2.10	92.6	28-Jan-24
Pakistan	19567	6	0	18965	0	185	1	20.00	84.5	19033	20	1	19012	0	0	3	18.86	84.9	27-Jan-24
Palestine	28	0	0	21	0	0	0	1.35	96.4	33	0	0	32	1	0	0	1.59	100.0	21-Jan-24
Qatar	17	0	0	11	0	4	0	3.91	70.6	11	0	0	11	0	0	0	2.22	72.7	28-Jan-24
Saudi Arabia	301	0	0	271	0	0	0	3.60	95.7	274	0	0	274	0	0	0	3.18	97.4	28-Jan-24
Somalia	417	0	0	402	5	0	0	4.59	93.8	356	0	0	350	6	0	0	4.21	97.2	28-Jan-24
Sudan	473	0	0	387	0	28	5	2.28	76.5	650	0	0	649	1	0	0	3.24	97.1	27-Jan-24
Syrian Arab Republic	332	0	0	326	0	0	0	4.27	96.7	382	0	0	382	0	0	0	4.96	94.8	27-Jan-24
Tunisia	94	0	0	93	0	0	0	3.16	69.1	55	0	0	55	0	0	0	1.91	61.8	27-Jan-24
United Arab Emirates	66	0	0	52	0	2	2	4.47	89.4	66	0	0	66	0	0	0	4.47	97.0	22-Jan-24
Yemen	1327	0	0	1162	6	15	11	8.27	88.3	1377	0	1	1214	162	0	0	7.73	86.6	28-Jan-24
EMR POL	32654	12	0	31415	12	371	51	11.19	87.6	31125	22	2	30928	171	2	4	10.71	88.0	

** 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

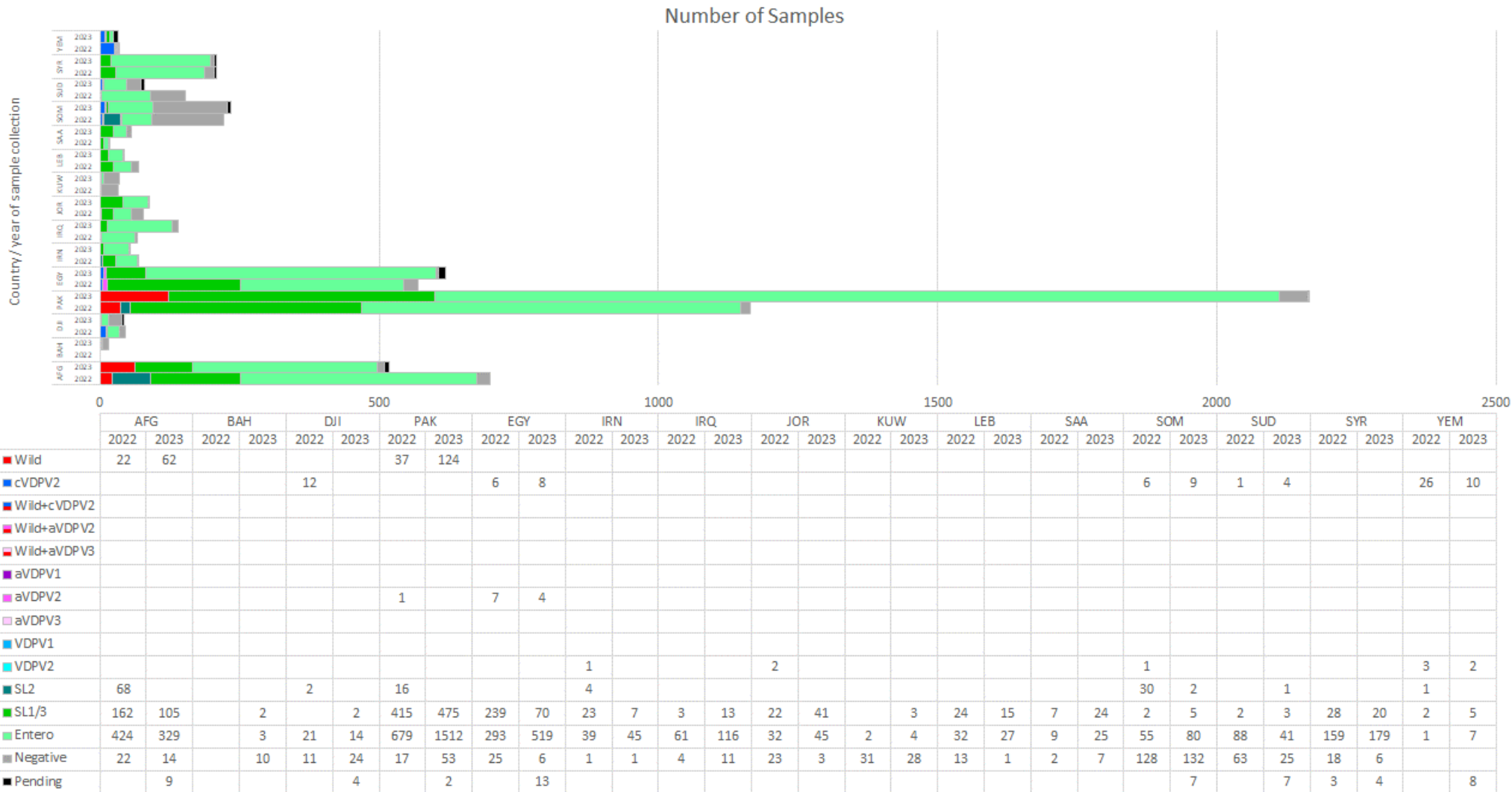
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Country	Polio laboratories	AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results														Indicators				Latest report Date
	ITD / nucleotide sequencing		Referred for ITD		NPEV 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		
			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	5809	317	30	812	4640	1	1	5*	216						262			2	2		12%	94%	100%	98%	28-01-24	
Bahrain	PNL Oman	11			1	10																5%	100%		45%	28-01-24	
Djibouti	PNL Kenya	14			2	7		5														22%	67%		78%	26-01-24	
Egypt***	RRL Egypt	1665	18		191	1436	2	19		10						13				1		10%	93%	100%	99%	28-01-24	
Iran	PNL Iran / CDC	1153	8		8	1135	1	1		6						3						1%	100%	100%	99%	27-01-24	
Iraq	PNL Iraq, RRL Egypt	817	6		64	736		11		5						2						8%	100%	100%	99%	26-01-24	
Jordan	PNL Jordan, RRL Egypt	115			18	97																15%	96%		100%	18-01-24	
Kuwait	RRL Kuwait /RIVM	52	1		9	40		2												1		13%	98%		98%	24-01-24	
Lebanon	NPL Syria / RRL Egypt	78			2	76																5%	100%			11-01-24	
Libya	RRL Tunisia	116	1		3	109	3			1												3%	96%	100%	100%	26-01-24	
Morocco	PNL Morocco, RRL Tunisia	147			3	139		5														2%	99%		94%	26-01-24	
Oman	PNL Oman	30			1	29																7%	100%		100%	28-01-24	
Pakistan	RRL Pakistan	19039	581	47	2915	15405	80	10	4*	395						451						13%	94%	100%	96%	28-01-24	
Palestine & UNRWA		22	1			18		3		1			1									0%	44%		100%	14-01-24	
Qatar	NPL Oman / CDC	17	1			16										1						0%	100%	100%	100%	28-01-24	
Saudi Arabia	PNL Saudi Arabia / CDC	305	3		6	295		1		3						2						2%	98%	67%	100%	15-01-24	
Somalia	PNL Kenya / CDC	404	14		62	314		14		4			2	9		2						16%	4%		95%	26-01-24	
Sudan	PNL Sudan, RRL Egypt	455	10	1	88	326	12	17					3			2			2			18%	94%	100%	33%	28-01-24	
Syria	PNL Syria, RRL Egypt	328	5	1	31	283		8														9%	100%			11-01-24	
Tunisia	RRL Tunisia	98	1		3	94										1						2%	97%	100%	97%	26-01-24	
U.A.E	PNL Oman /CDC	64			3	58	3															5%	97%		25%	28-01-24	
Yemen	PNLs Oman, Jordan & Kenya, RRL Egypt	1144	28	2	236	878				11			1	6		20						17%	20%	100%	20%	28-01-24	
Total EMR 2023		31883	995	81	4458	26141	102	97	12*	652			7	15		759			4	3	1	12%	91%	100%	93%		
Total EMR 2022		30461	1068	119	4831	24435		2	22*	556	2		38	169**		723		6	8	2	1	13%	93%	89%	92%		

* In 2023 – Two WPV1 cases are confirmed due to positive contacts while in 2022 - three WPV1 cases were 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)

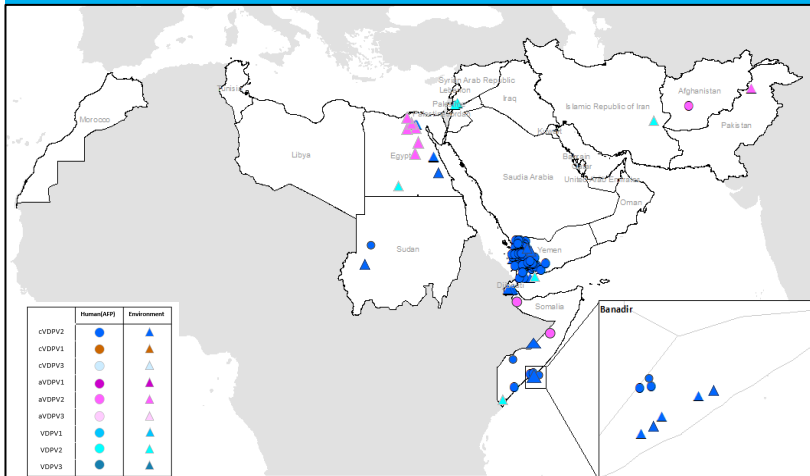
Environmental Surveillance Isolation by Classification



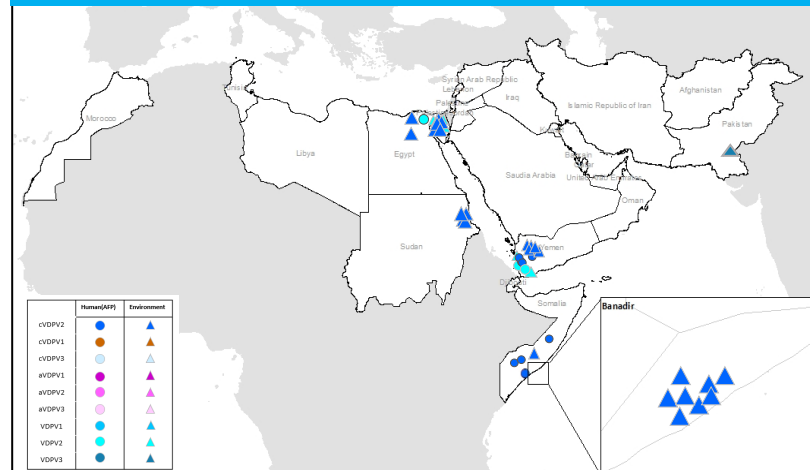
VDPVs isolations by Source and Country

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VDPV Isolates, EMR countries, 2022



VDPV Isolates, EMR countries, 2023



VDPVs isolated from 2018-2023

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	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	8		12-12-23						
	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	5	16-09-23	3	1	11		6	3	03-08-23	19	5	26	1	6	9		26-10-23		1	5		1	10-03-22
	Sudan			58		1		31-10-22			18				08-10-20			14		1	4		30-11-23			4		24-08-20	
	Yemen					66	162	4	17-11-23				23	40	1	11-06-23				13	26	10		25-09-23					
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																					
aVDPV2	Yemen				1			20-07-21																					
	Afghanistan			3	1	1		01-01-22			75	15	1		14-02-22			2	3			25-07-21							
	Egypt											1			14-06-21			1	67	7	4	13-04-23							
	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		01-09-22				1			22-08-22	2	1					03-02-19							
aVDPV3	Yemen				3			01-11-21			1				09-12-21														
	Afghanistan			1				23-06-20																					
	Egypt																	2				30-09-20							
	Pakistan																		1			05-04-21							
VDPV1	Libya			1				15-01-20																					
VDPV2	Egypt																		1			11-07-21							
	Iran																				1		04-02-22						
	Jordan																			2		25-05-22							
	Somalia					1		01-09-22											1			22-04-22							
	Sudan																												
	Yemen						2	11-11-23												3	2	27-05-23							
VDPV3	Pakistan																			1	14-02-23								

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)