

Highlights



Children
Paralyzed
by polio

2023

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

- 16 cases of cVDPV2
 - 08 in Somalia
 - 08 in Yemen

- Zero cVDPV1 cases

2024

- 10 cases of Wild Polio 1
 - 05 in Afghanistan
 - 05 in Pakistan

- 12 cases of cVDPV2
 - 02 in Somalia
 - 10 in Yemen

- Zero cVDPV1 cases



Sewage
water
sampling

2023

- 188 samples Wild Polio 1
 - 62 in Afghanistan
 - 126 in Pakistan

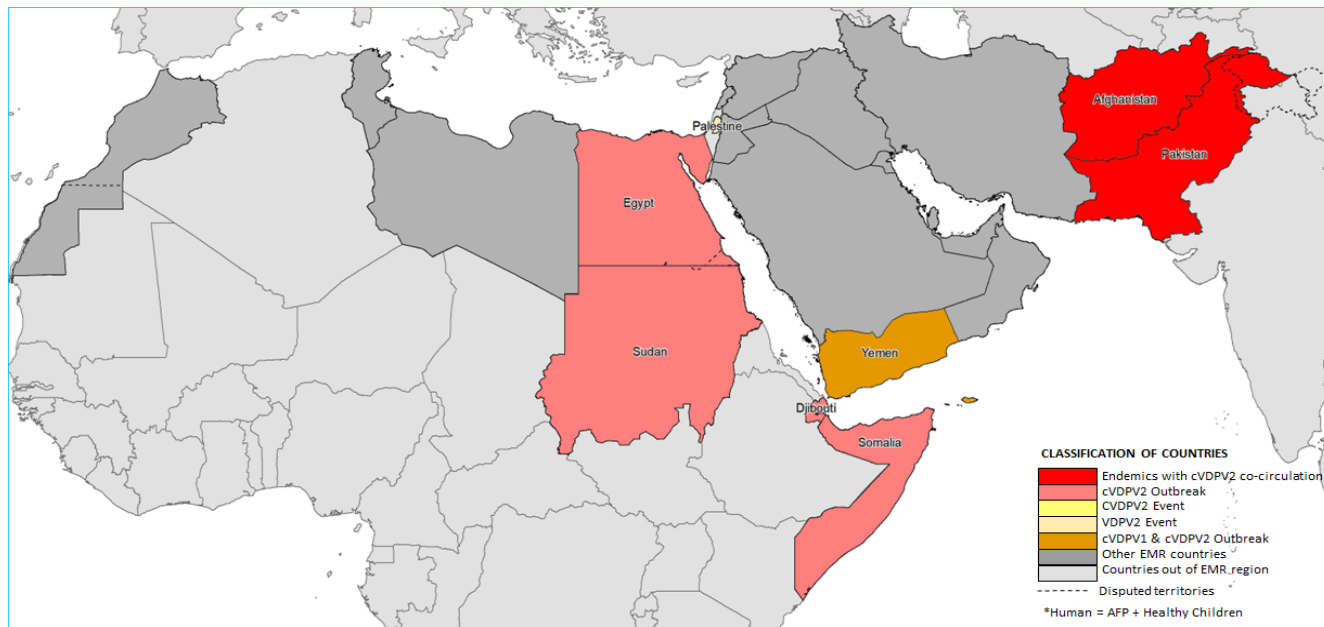
- 41 samples cVDPV2
 - 11 in Egypt
 - 16 in Yemen
 - 09 in Somalia
 - 05 in Sudan

2024

- 206 samples Wild Polio 1
 - 33 in Afghanistan
 - 173 in Pakistan

- 6 sample cVDPV2
 - 1 in Egypt
 - 1 in Somalia
 - 2 in Sudan
 - 2 in Yemen

Classification of EMR countries by type of poliovirus circulation



Highlights of the week

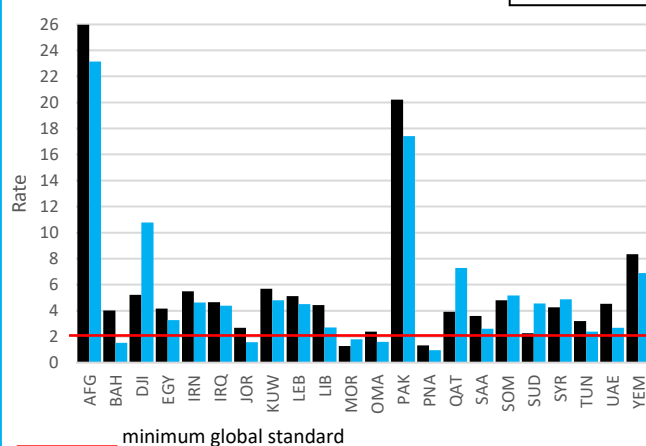
Wild Poliovirus

- Two new WPV1 cases in 2024 reported this week, one each from Afghanistan and Pakistan. The new case from Afghanistan is from Nahr-e-Saraj district of Hilmand province, with date of onset on 4th April 2024, and the new case from Pakistan is from Quetta district of Balochistan province, with date of onset 29th April 2024. Both newly reported WPV1 index cases were identified by positive contacts. The WPV1 case count in 2024 to date is 10 (5 each from Afghanistan and Pakistan), and for 2023, the count remains 12 (6 each from Afghanistan and Pakistan).
- Twenty new WPV1 positive environmental samples (ES), all reported from Pakistan this week. The new isolates are as follows: 10 from Balochistan province (2 each from Chaman and Quetta, and 1 each from Usta Muhammad, Mastung, Dukki, Ksaifulah, Sibi and Lasbela districts), 5 from Sindh province (4 from Karachi Towns and 1 from Mirpurkhas districts), 4 from Khyber Pakhtunkhwa province (1 each from Dikhan, Lakkimmarawt, Peshawar, and Swabi districts), and 1 from Punjab province (Bahawalpur district). The sample collection dates vary between 8th and 21st May 2024. The ES count to date in 2024 is 206 (33 from Afghanistan and 173 from Pakistan). In 2023, the count remains 188 (62 in Afghanistan and 126 in Pakistan).

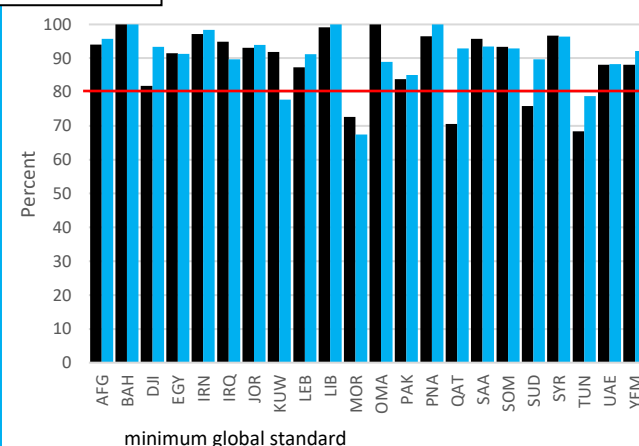
Vaccine derived poliovirus (VDPV)

- Three new cVDPV2 cases reported this week from Yemen. The new cases are as follows: 2 from Al Hudaidah province (Alahya and Al Marawah districts) 1 from lbb province (lbb district). The dates of onset of the cases varies between 8th March to 6th April 2024. The total count of cVDPV2 cases to date in 2024 is 12 (10 from Yemen and 2 from Somalia), and in 2023, the count remains 16 (8 each from Somalia and Yemen).
- The count of the cVDPV2 positive ES in 2024 to date is 6 (2 each from Yemen and Sudan, and 1 each from Egypt and Somalia), and in 2023 the count remains 41 (16 from Yemen, 11 from Egypt, 9 from Somalia, and 5 from Sudan).

Non polio AFP rate

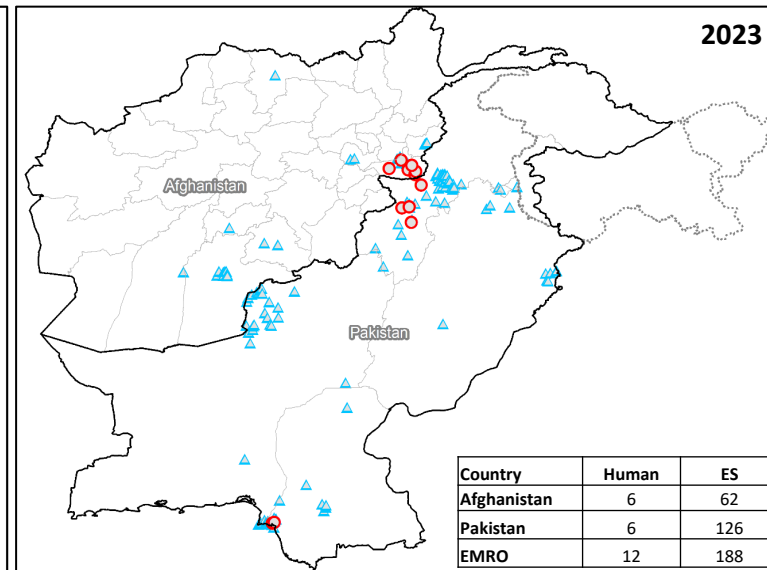
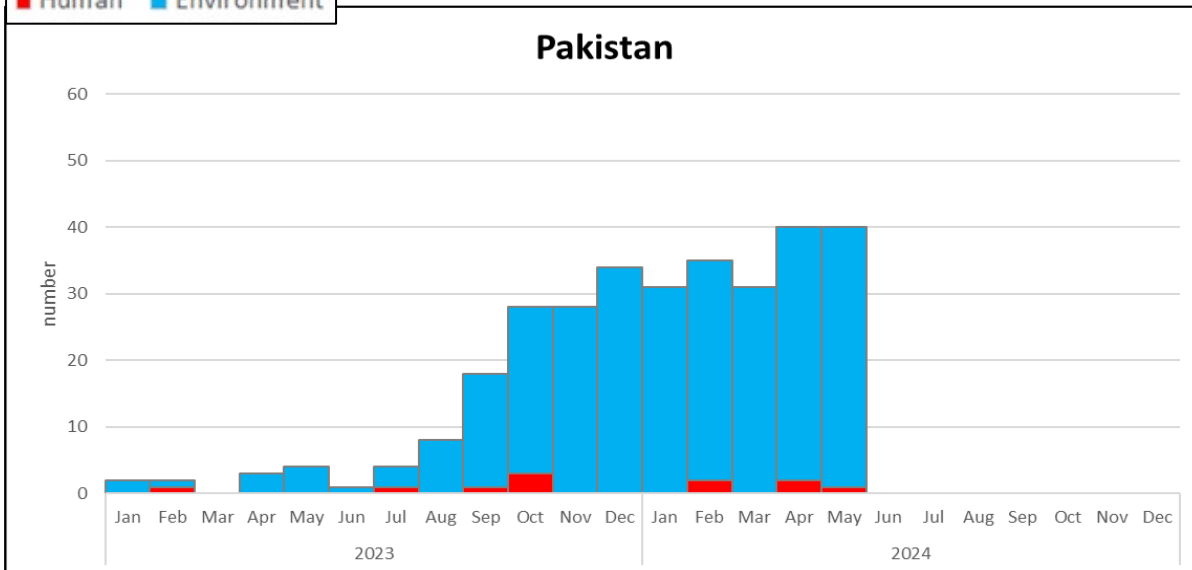
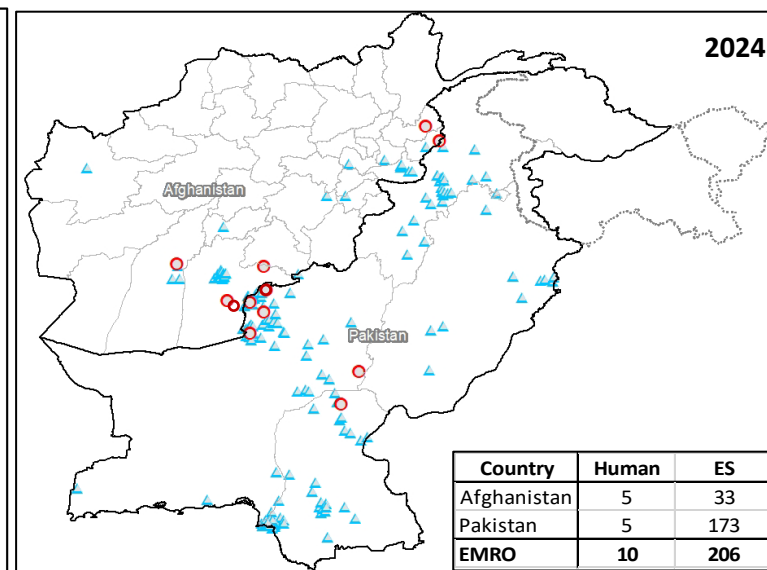
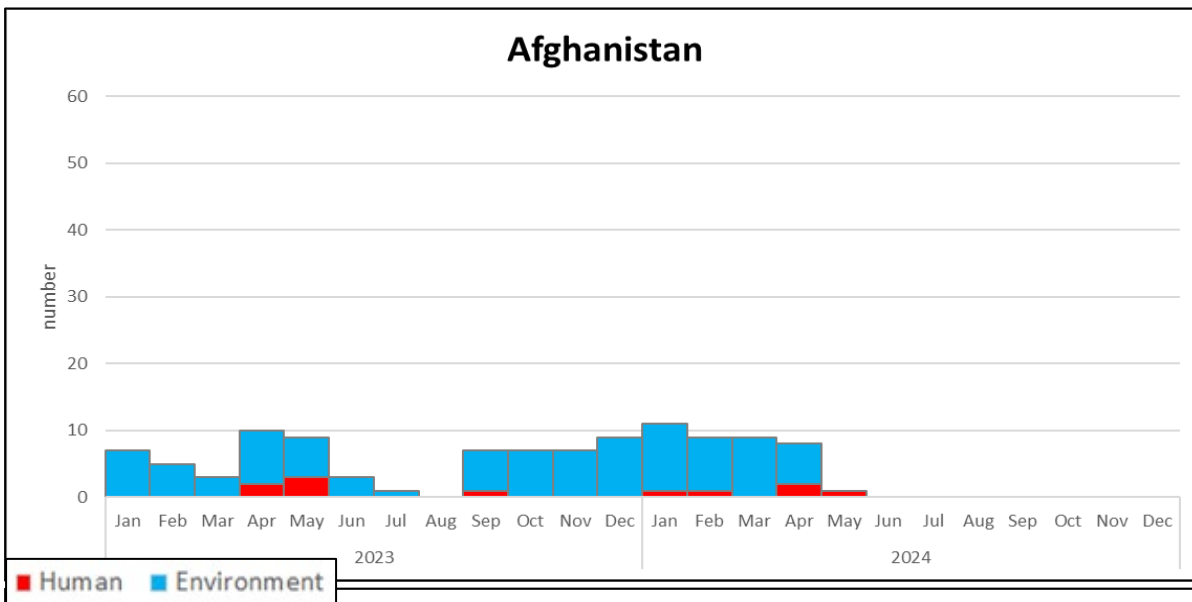


Stool adequacy



WPV1 Positive isolates from Afghanistan and Pakistan by source

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Virus isolation by country, last 12 months (9 June 2023, to 9 June 2024)

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Source / Virus type	AFG	PAK	EGY	SOM	SUD	YEM	Total
Human (AFP only)	6	10	1	8		17	42
Wild	6	10					16
cVDPV2				8		17	25
aVDPV2							
VDPV2			1				1
Environment	66	288	12	7	7	14	394
Wild	66	287					353
cVDPV2			12	7	7	14	40
WILD+VDPV1		1					1
Total	72	298	13	15	7	31	436

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	2 June		Confirmed Wild Polio 1 Cases by month of onset												Recent most Case
					2023						2024						
			2023	2024	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Afghanistan	2	6	5	5	0	0	1	0	0	0	1	1	0	2	1		10-May-24
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					
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				
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			
Kuwait	0	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					
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	20	6	1	5	1	0	1	3	0	0	0	2	0	2	1		11-May-24
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				
Saudi Arabia	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							
Syria ****	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			
U.A.E	0	0	0	0	0	0	0	0	0	0	0						
Yemen	0	0	0	0	0	0	0	0	0	0	0						
EMR	22	12	6	10	1	0	2	3	0	0	1	3	0	4	2	0	11-May-24

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

Investigation of AFP cases with paralysis onset in 2023 & 2024

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COUNTRY	2024									2023									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	2302	5	0	2072	0	3	0	23.15	95.70	5856	6	0	5850	0	0	0	25.98	93.97	9-Jun-24
BAHRAIN	2	0	0	0	0	0	0	1.52	100.00	12	0	0	12	0	0	0	4.01	100.00	9-Jun-24
DJIBOUTI	15	0	0	4	0	1	0	10.78	93.33	22	0	0	22	0	0	0	5.23	81.82	8-Jun-24
EGYPT	610	0	0	570	0	10	0	3.28	91.31	1714	0	0	1714	0	0	0	4.16	91.48	6-Jun-24
IRAN	429	0	0	398	0	1	0	4.62	98.37	1150	0	0	1150	0	0	0	5.48	97.13	8-Jun-24
IRAQ	347	0	0	280	0	17	0	4.39	89.63	820	0	0	820	1	0	0	4.66	94.88	8-Jun-24
JORDAN	33	0	0	29	0	0	0	1.59	93.94	116	0	0	116	0	0	0	2.68	93.10	30-May-24
KUWAIT	18	0	0	17	0	0	0	4.80	77.78	49	0	0	49	0	0	0	5.69	91.84	9-Jun-24
LEBANON	34	0	0	25	0	1	0	4.50	91.18	79	0	0	79	0	0	0	5.11	87.34	31-May-24
LIBYA	31	0	0	13	0	2	2	2.71	100.00	115	0	0	115	0	0	0	4.43	99.13	8-Jun-24
MOROCCO	86	0	0	0	0	44	1	1.82	67.44	150	0	0	150	0	0	0	1.28	72.67	7-Jun-24
OMAN	9	0	0	9	0	0	0	1.60	88.89	30	0	0	30	0	0	0	2.38	100.00	6-Jun-24
PAKISTAN	7508	5	0	6431	0	117	1	17.41	84.99	19771	6	0	19757	0	8	0	20.22	83.78	9-Jun-24
PALESTINE	9	0	0	5	0	0	0	0.96	100.00	28	0	0	27	0	1	0	1.35	96.43	9-Jun-24
QATAR	14	0	0	0	0	3	0	7.29	92.86	17	0	0	17	0	0	0	3.91	70.59	9-Jun-24
SAUDI ARABIA	91	0	0	44	0	8	1	2.62	93.41	301	0	0	301	0	0	0	3.60	95.68	2-Jun-24
SOMALIA	210	0	0	193	2	0	0	5.18	92.86	433	0	0	425	8	0	0	4.81	93.30	9-Jun-24
SUDAN	183	0	0	10	0	56	2	4.56	89.62	473	0	0	451	0	22	0	2.28	75.90	9-Jun-24
SYRIA	167	0	0	148	0	0	0	4.87	96.41	332	0	0	332	0	0	0	4.27	96.69	8-Jun-24
TUNISIA	33	0	0	24	0	0	0	2.39	78.79	95	0	0	95	0	0	0	3.20	68.42	7-Jun-24
U.A.E.	17	0	0	7	0	3	3	2.70	88.24	67	0	0	67	0	0	0	4.54	88.06	27-May-24
YEMEN	493	0	0	234	10	26	17	6.89	92.09	1331	0	0	1321	9	1	0	8.33	88.05	25-May-24
EMR POL	12641	10	0	10513	12	292	27	10.20	88.48	32961	12	0	32900	18	32	0	11.30	87.20	

* 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)

Laboratory investigation of AFP cases with paralysis onset in 2024

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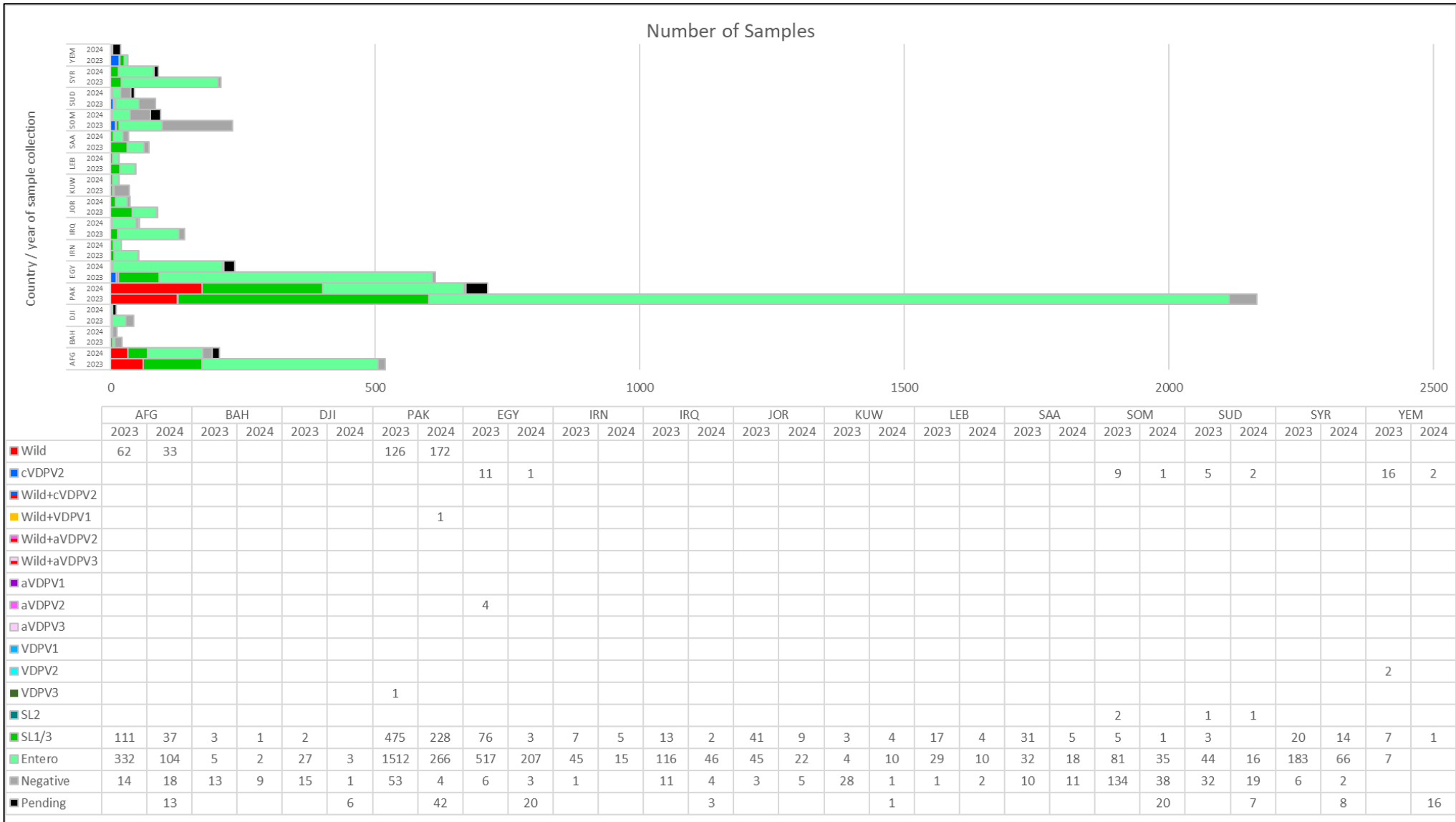
Country	Polio laboratories		AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results													Indicators					Latest report Date
	ITD / Nucleotide Sequencing			Referred for ITD		NPEV only	Negative	Pending		Type 1			Type 2			Type 3			Discordant pending sequence	NPEV by PCR	Non-EV	Pending ITD	% specimens positive for NPEV*	Indicators				
	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		2067	98	11	221	1495	198	15	4 *	61					75							9%	84%	100%	75%	02-Jun-24	
Bahrain	NPL Oman / CDC																										30-May-24	
Djibouti	NPL Kenya / CDC		15				4	3	8													0%	20%		100%	31-May-24		
Egypt	RRL Egypt		640	6		37	556	41		1						4						5%	93%	100%	99%	30-May-24		
Iran	NPL Iran / CDC		443	2		4	411	26		1						2						1%	100%	100%	99%	01-Jun-24		
Iraq	NPL Iraq, RRL Egypt		342	11		41	251	26	13		3					9						13%	100%	100%	99%	31-May-24		
Jordan	NPL Jordan, RRL Egypt		33			6	24	3														20%	87%		97%	02-Jun-24		
Kuwait	RRL Kuwait / RIVM		17	1		1	15													1		3%	88%		100%	02-Jun-24		
Lebanon	NPL Syria, RRL Egypt		28				28															0%	100%			30-May-24		
Libya	RRL Tunisia / RIVM		27				14	13														0%	100%		43%	02-Jun-24		
Morocco	NPL Morocco, RRL Tunisia		77				70	5	2													0%	100%		99%	31-May-24		
Oman	NPL Oman / CDC		9				9															4%	89%		100%	30-May-24		
Pakistan	RRL Pakistan		7045	336	14	745	5207	625	118	3 *	199					240		1				9%	89%	100%	96%	02-Jun-24		
Palestine & UNRWA			8				6	2														0%	33%		100%	02-Jun-24		
Qatar	NPL Oman / CDC		13	1			9	3								1						0%	100%	1	100%	30-May-24		
Saudi Arabia	NPL Saudi Arabia / CDC		69	3		5	61			1						1			1			7%	87%	67%	100%	22-May-24		
Somalia	NPL Kenya / CDC		201	8		24	152	8	9		4			1	2		2					13%	2%		90%	02-Jun-24		
Sudan	NPL Sudan / RRL Egypt		120			7	58		55													10%	100%		31%	14-Apr-23		
Syria	NPL Syria / RRL Egypt		159	2		4	142	11														3%	100%			30-May-24		
Tunisia	RRL Tunisia		32				29	3														0%	100%		100%	02-Jun-24		
U.A.E	NPL Oman / CDC		12			1	11															7%	50%		8%	30-May-24		
Yemen	NPLs Oman, Jordan & Kenya, RRL Egypt		367	16		54	238	48	12		4			1	9 **		3					17%	24%	94%	11%	25-May-24		
Total EMR 2024			11724	484	25	1150	8790	1015	232	10 *	274			2	12 **		337		1		1	1	8%	87%	99%	93%		
Total EMR 2023			32173	1012	81	4530	26507	1	35	12 *	656			8	22		766		4	3	1	12%	90%	100%	92%			

*** In 2024 - Three WPV1 cases are confirmed due to positive contact (Index cases were negative for WPV1)**
In 2023 - Two WPV1 cases are confirmed due to positive contacts (Index cases were negative for WPV1)

**** In 2024 – One cVDPV2 case was confirmed due to two positive contacts (Index case was negative for cVDPV2)**

Environmental Surveillance Isolation by Classification

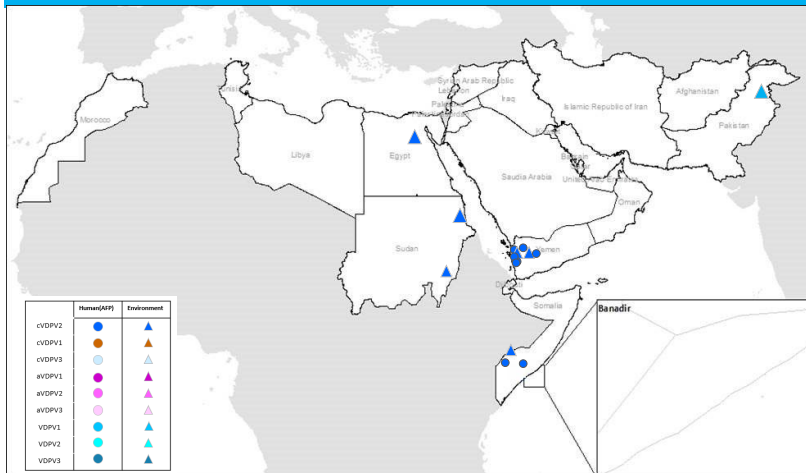
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VDPVs isolations by Source and Country

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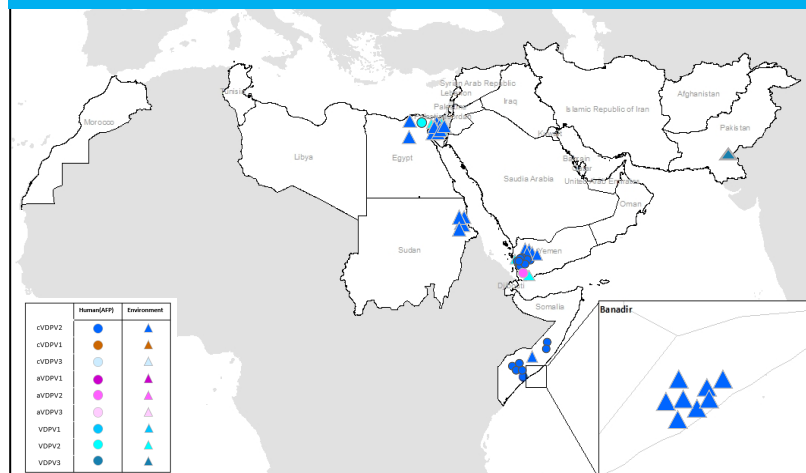
VDPV Isolates, EMR countries, 2024



VDPVs isolated from 2019-2024

Isolate type	EMR Country	Sources																										
		AFP cases(Human)						Contacts(Human)						Environment						Other Sources (Healthy Children)								
		2019	2020	2021	2022	2023	2024	Most recent	2019	2020	2021	2022	2023	2024	Most recent	2019	2020	2021	2022	2023	2024	Most recent	2019	2020	2021	2022	2023	Most recent
cVDPV2	Afghanistan	307	43					09-07-21									174	40				23-06-21						
	Djibouti																	5	12			22-05-22						
	Egypt																	12	6	11	1	31-01-24						
	Iran																3	1				20-02-21						
	Pakistan	22	135	8				23-04-21								38	135	35				11-08-21						
	Somalia	3	14	1	5	8	2	08-03-24	1	11		6	3	3	12-03-24	5	26	1	6	9	1	11-03-24	1	5		1		10-03-22
	Sudan		58		1			31-10-22	18						08-10-20		14		1	5	2	24-01-24		4				24-08-20
	Yemen			66	162	8	10	06-04-24			23	40	1	2	09-03-24		13	26	16	2	2	22-01-24						
cVDPV1	Yemen	1	31	3				27-03-21	2						10-07-19													
cVDPV3	Somalia							07-09-18							30-06-18							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					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	1						03-02-19						
	Yemen			3		1		05-09-23		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						
	Pakistan																			1		14-02-24						
VDPV2	Egypt					1		17-07-23																				
	Iran																	1				04-02-22						
	Jordan																	2				25-05-22						
	Somalia				1			01-09-22											1			22-04-22						
	Sudan																			1		24-01-24						
	Yemen																		3	2		27-05-23						
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)