

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

- 14 cases of Wild Polio 1
 - 06 in Afghanistan
 - 08 in Pakistan

- 17 cases of cVDPV2
 - 02 in Somalia
 - 15 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

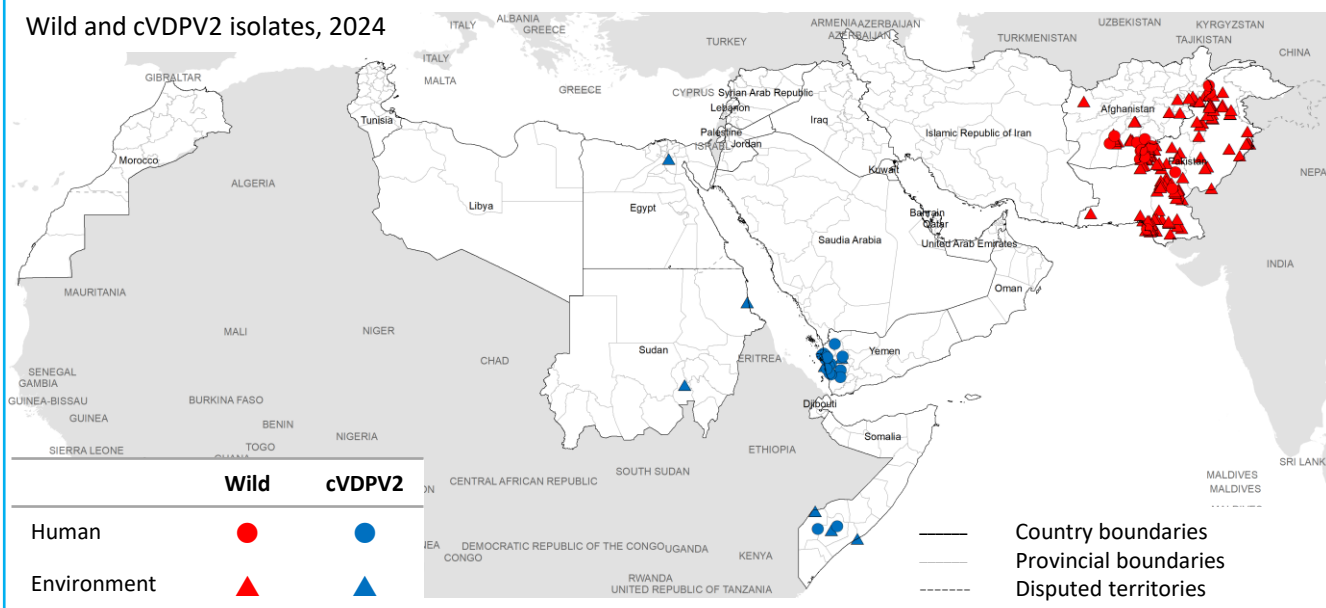
2024

- 229 samples Wild Polio 1
 - 44 in Afghanistan
 - 203 in Pakistan

- 8 sample cVDPV2
 - 1 in Egypt
 - 3 in Somalia
 - 2 in Sudan
 - 2 in Yemen

Classification of EMR countries by type of poliovirus circulation

Wild and cVDPV2 isolates, 2024



Highlights of the week

Wild Poliovirus

- Three new WPV1 cases reported from Pakistan this week. The new cases reported are: 2 from Balochistan province (both from Killa Abdullah district) and 1 from Sindh province (from Karachi Keamari Town), with dates of onset between 22nd May – 3rd June 2024. The WPV1 case count in 2024 to date is 14 (6 from Afghanistan and 8 from Pakistan), and for 2023, the count remains 12 (6 each from Afghanistan and Pakistan).
- Eighteen new WPV1 positive environmental samples (ES) reported this week, all from Pakistan. The new ES are: 11 from Sindh province (2 each from Sukkur and Hyderabad districts, and one each from the districts of Kambar, Jacobabad, Jamshoro, and Karachi South, Malir, Central, and East towns), 4 from Balochistan province (3 from Quetta and 1 from Nsirabad districts), and one each from Punjab province (Gujranwala district), Khyber Pakhtunkhwa province (Peshawar district), and Islamabad province (CDA district). The sample collection dates are between 3rd and 11th June 2024. ES count to date in 2024 is 247 (44 from Afghanistan and 203 from Pakistan). In 2023, the count remains 188 (62 in Afghanistan and 126 in Pakistan).

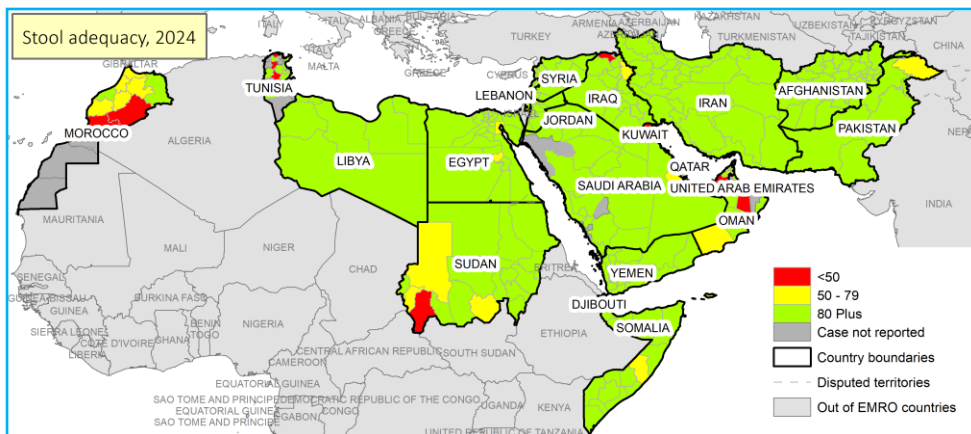
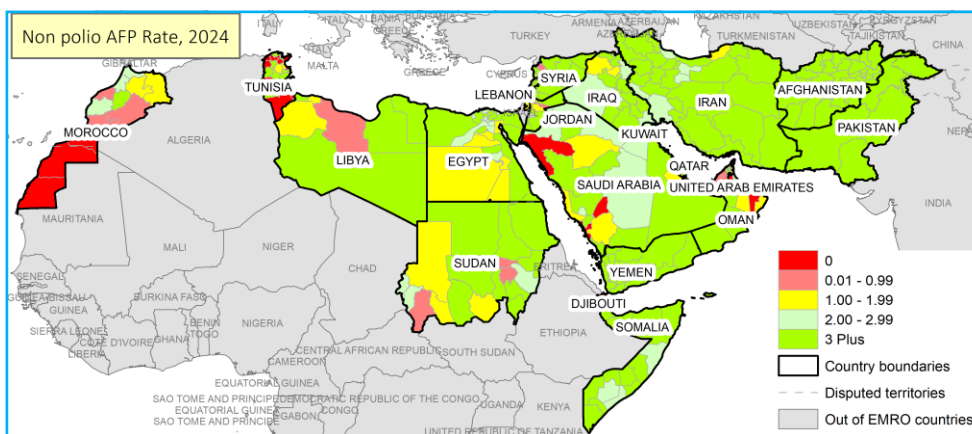
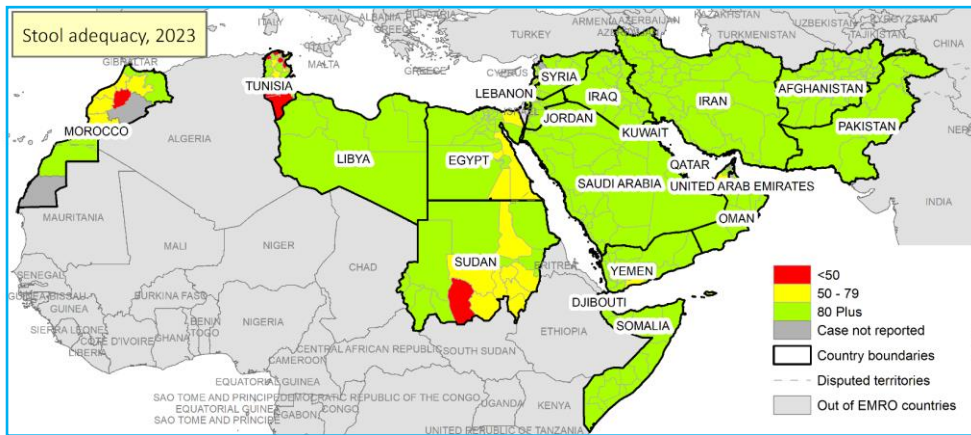
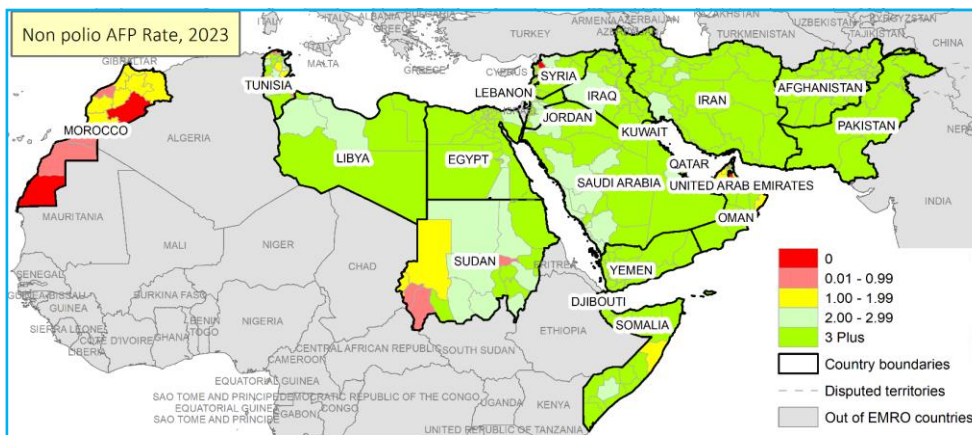
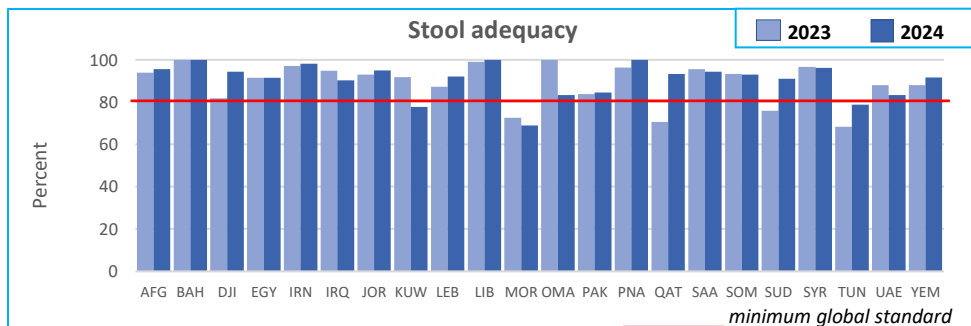
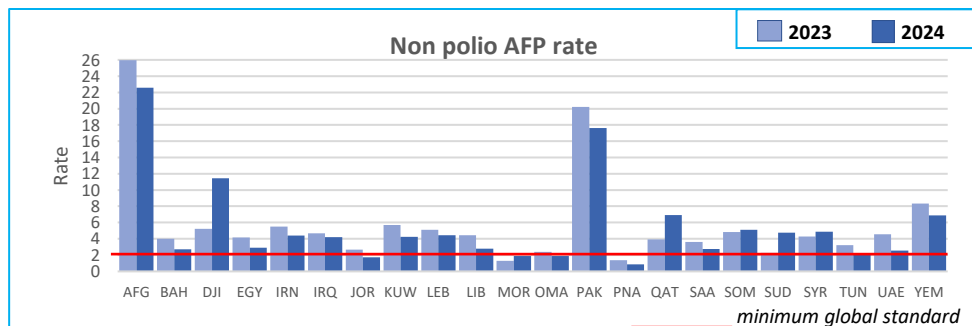
Vaccine derived poliovirus (VDPV)

- No new cVDPV2 cases reported this week. The total count of cVDPV2 cases to date in 2024 is 17 (15 from Yemen and 2 from Somalia), while in 2023, the count remains 16 (8 each from Somalia and Yemen).
- Two new cVDPV2 ES reported in 2024 from Somalia this week. The new ES are from Bay province (Baidoa district) and Banadir province (Waberi district), both with sample collection date on 14th May 2024. The count of the cVDPV2 positive ES in 2024 to date is 8 (3 from Somalia, 2 each from Yemen and Sudan, and 1 from Egypt), and in 2023 the count remains 41 (16 from Yemen, 11 from Egypt, 9 from Somalia, and 5 from Sudan).

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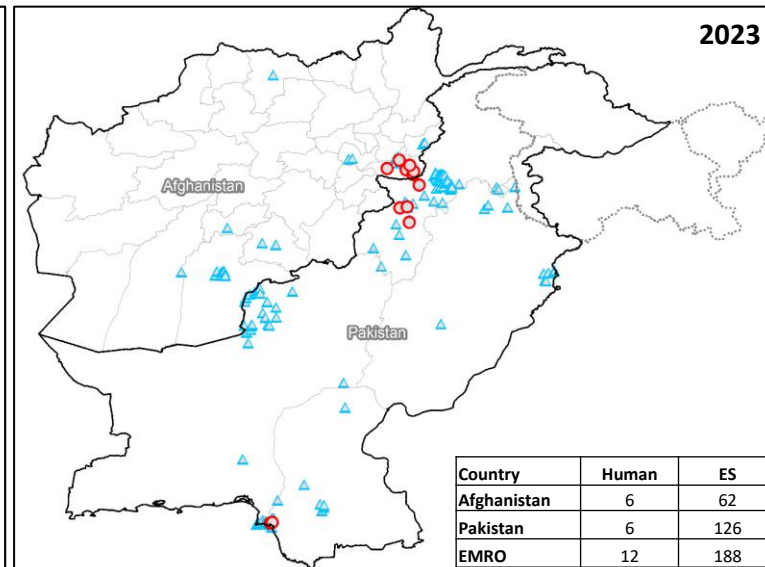
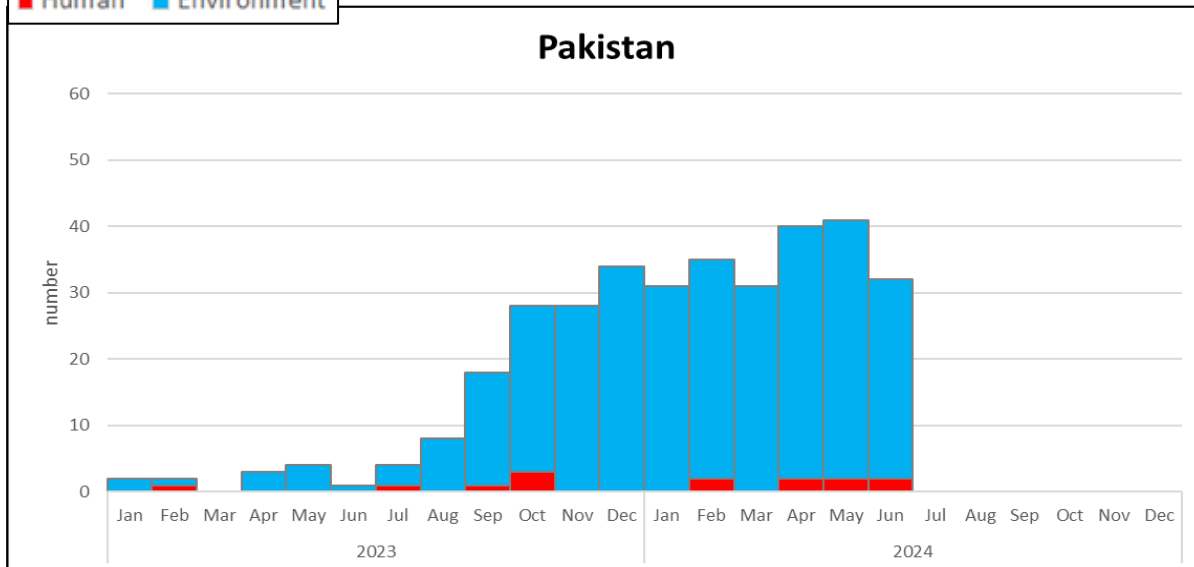
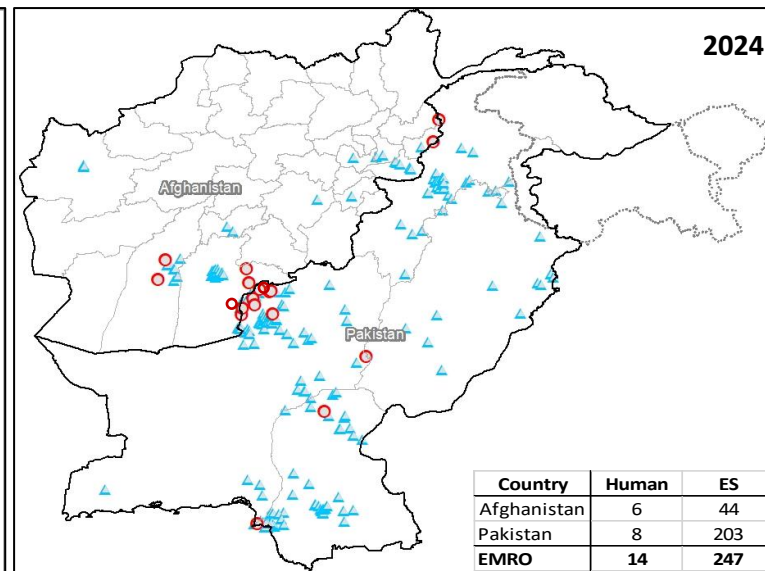
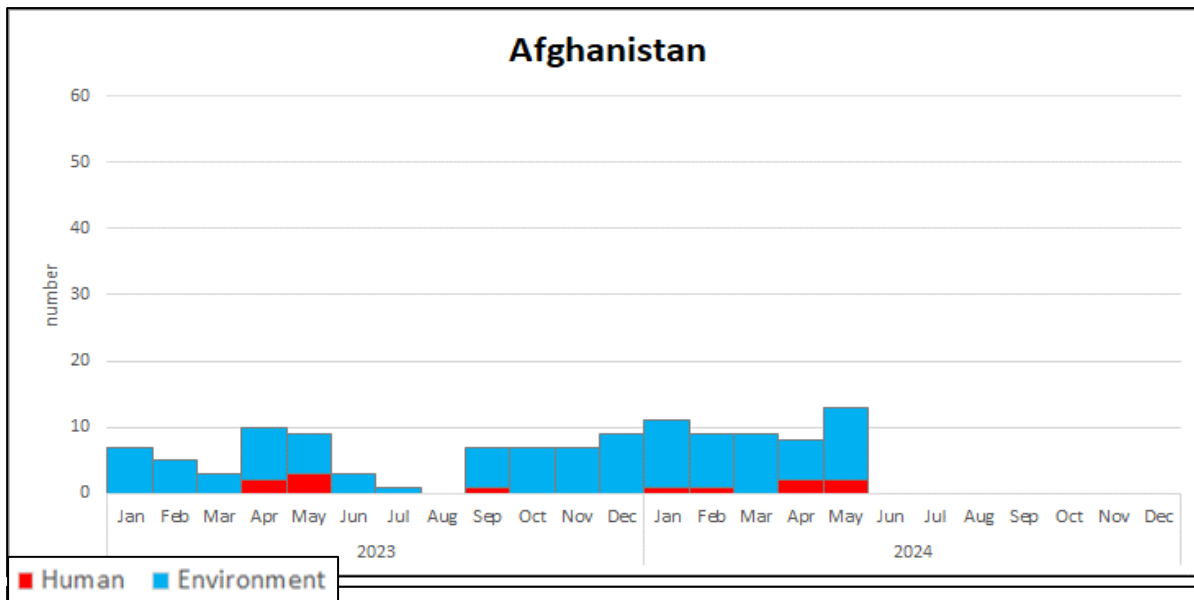
World Health Organization – Regional Office for Eastern Mediterranean Issue No. 1343, Week 26 (ending on 30/06/2024)

Key surveillance indicators



WPV1 Positive isolates from Afghanistan and Pakistan by source

EMR Polio Bulletin - Issue No. 1343, Week 26 (ending on 30/06/2024)



Virus isolation by country, last 12 months (30 June 2023, to 30 June 2024)

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Source / Virus type	AFG	PAK	EGY	SOM	SUD	YEM	Total
Human (AFP only)	7	13	1	8		22	51
Wild	7	13					20
cVDPV2				8		22	30
VDPV2			1				1
Environment	74	318	12	9	7	12	432
Wild	74	317					391
cVDPV2			12	9	7	12	40
WILD+VDPV1		1					1
Total	81	331	13	17	7	34	483

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	30 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	6	0	0	1	0	0	0	1	1	0	2	2		22-May-24
Bahrain	0	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			
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	0	0			
Morocco	0	0	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	8	1	0	1	3	0	0	0	2	0	2	2	2	3-June-24
Palestine ****	0	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				
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	0		
U.A.E	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						
EMR	22	12	6	14	1	0	2	3	0	0	1	3	0	4	4	2	3-June-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	2593	6	0	2424	0	6	0	22.58	95.68	5856	6	0	5850	0	0	0	25.98	93.97	30-Jun-24
BAHRAIN	4	0	0	0	0	0	0	2.69	100.00	12	0	0	12	0	0	0	4.01	100.00	30-Jun-24
DJIBOUTI	18	0	0	4	0	4	2	11.45	94.44	22	0	0	22	0	0	0	5.23	81.82	28-Jun-24
EGYPT	610	0	0	584	0	16	0	2.90	91.48	1714	0	0	1714	1	0	0	4.16	91.48	27-Jun-24
IRAN	460	0	0	430	0	0	0	4.38	98.26	1150	0	0	1150	0	0	0	5.48	97.13	29-Jun-24
IRAQ	375	0	0	322	0	25	0	4.19	90.40	820	0	0	820	0	0	0	4.66	94.88	29-Jun-24
JORDAN	40	0	0	36	0	0	0	1.72	95.00	116	0	0	116	0	0	0	2.68	93.10	27-Jun-24
KUWAIT	18	0	0	17	0	0	0	4.24	77.78	49	0	0	49	0	0	0	5.69	91.84	9-Jun-24
LEBANON	38	0	0	26	0	2	0	4.45	92.11	79	0	0	79	0	0	0	5.11	87.34	23-Jun-24
LIBYA	36	0	0	26	0	0	0	2.79	100.00	115	0	0	115	0	0	0	4.43	99.13	29-Jun-24
MOROCCO	100	0	0	0	0	56	0	1.87	69.00	150	0	0	150	0	0	0	1.28	72.67	28-Jun-24
OMAN	12	0	0	10	0	0	0	1.89	83.33	30	0	0	30	0	0	0	2.38	100.00	27-Jun-24
PAKISTAN	8613	8	0	7664	0	124	0	17.63	84.55	19771	6	0	19765	0	0	0	20.22	83.78	30-Jun-24
PALESTINE	9	0	0	5	0	0	0	0.85	100.00	28	0	0	28	0	0	0	1.35	96.43	30-Jun-24
QATAR	15	0	0	2	0	5	0	6.91	93.33	17	0	0	17	0	0	0	3.91	70.59	30-Jun-24
SAUDI ARABIA	108	0	0	58	0	0	0	2.75	94.44	301	0	0	301	0	0	0	3.60	95.68	30-Jun-24
SOMALIA	233	0	0	211	2	0	0	5.08	93.13	433	0	0	425	8	0	0	4.81	93.30	30-Jun-24
SUDAN	215	0	0	18	0	80	3	4.75	91.16	473	0	0	473	0	0	0	2.28	75.90	30-Jun-24
SYRIA	189	0	0	164	0	0	0	4.88	96.30	332	0	0	332	0	0	0	4.27	96.69	30-Jun-24
TUNISIA	33	0	0	31	0	0	0	2.11	78.79	95	0	0	95	0	0	0	3.20	68.42	28-Jun-24
U.A.E.	18	0	0	13	0	0	0	2.53	83.33	67	0	0	67	0	0	0	4.54	88.06	24-Jun-24
YEMEN	554	0	0	295	15	27	18	6.85	91.70	1331	0	0	1321	9	1	0	8.33	88.05	9-Jun-24
EMR POL	14291	14	0	12340	17	345	23	10.17	88.20	32961	12	0	32931	18	1	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*	% 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	2487	133	13	309	1857		74	5 *	79					96					2	10%	87%	100%	80%	23-Jun-24	
Bahrain	NPL Oman / CDC	3				3															0%	100%		100%	27-Jun-24	
Djibouti	NPL Kenya / CDC	18				7	1	10													0%	25%		86%	28-Jun-24	
Egypt	RRL Egypt	736	7		46	604	27	52		1					5						6%	94%	100%	100%	27-Jun-24	
Iran	NPL Iran / CDC	518	3		4	485	26			2					3						1%	100%	100%	99%	29-Jun-24	
Iraq	NPL Iraq, RRL Egypt	378	11		44	290	8	25		3					9						12%	100%	100%	99%	28-Jun-24	
Jordan	NPL Jordan, RRL Egypt	39			8	31															18%	87%		97%	27-Jun-24	
Kuwait	RRL Kuwait / RIVM	20	1		1	17	1												1		3%	89%		100%	30-Jun-24	
Lebanon	NPL Syria, RRL Egypt	34				28		6													0%	100%			27-Jun-24	
Libya	RRL Tunisia / RIVM	27				27															0%	100%		30%	14-Jun-24	
Morocco	NPL Morocco, RRL Tunisia	89				81	4	4													0%	98%		99%	28-Jun-24	
Oman	NPL Oman / CDC	12				10		2													4%	90%		100%	27-Jun-24	
Pakistan	RRL Pakistan	8000	351	14	943	6273		392	6 *	208					254		1				10%	91%	100%	96%	23-Jun-24	
Palestine & UNRWA		9			1	7		1													13%	38%		100%	30-Jun-24	
Qatar	NPL Oman / CDC	15	1			14									1						0%	100%	1	100%	27-Jun-24	
Saudi Arabia	NPL Saudi Arabia / CDC	111	3		6	97	5			1					1				1		5%	88%	67%	100%	26-Jun-24	
Somalia	NPL Kenya / CDC	233	8		30	175	4	16		4				2	2						14%	3%		92%	30-Jun-24	
Sudan	NPL Sudan / RRL Egypt	120			19	101															13%	100%		31%	14-Apr-23	
Syria	NPL Syria / RRL Egypt	186	2		7	156	12	9													5%	100%			27-Jun-24	
Tunisia	RRL Tunisia	32				32															0%	100%		100%	14-Jun-24	
U.A.E	NPL Oman / CDC	17			1	16															5%	35%		6%	27-Jun-24	
Yemen	NPLs Oman, Jordan & Kenya, RRL Egypt	465	28	1	71	317		49		4			1	14 **	4						16%	18%	97%	14%	9-Jun-24	
Total EMR 2024		13549	548	28	1490	10628	88	640	14 *	302			1	17 **		375		1		1	3	9%	87%	100%	90%	
Total EMR 2023		32173	1012	81	4533	26509		30	12 *	656			8	22		766			4	3	1	12%	90%	100%	92%	

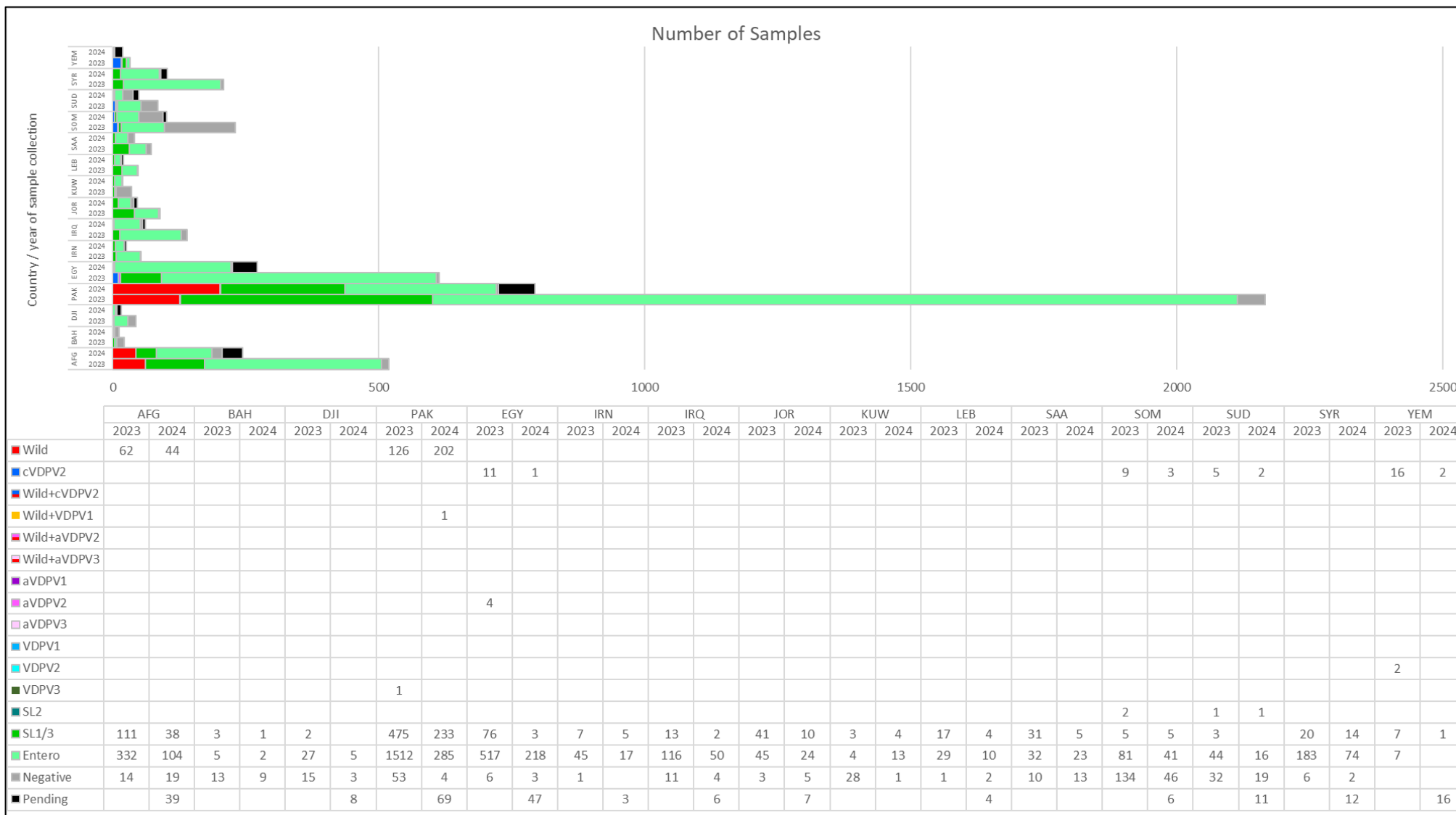
* In 2024 - Three WPV1 cases are confirmed due to positive contact (Index cases were negative for WPV1)

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

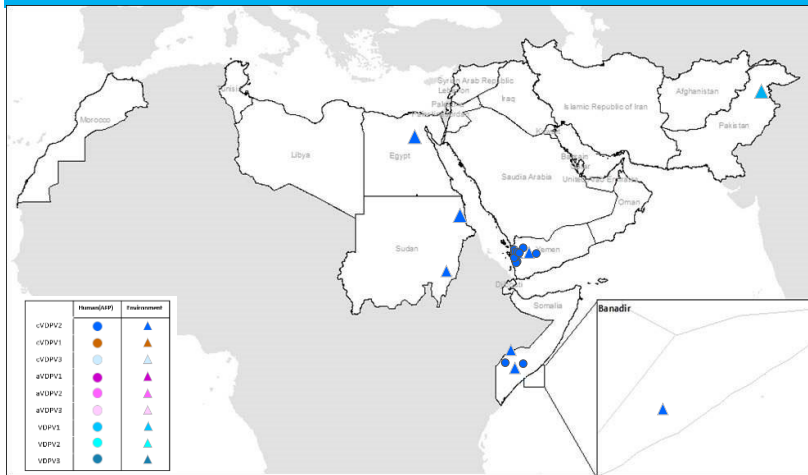
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VDPVs isolations by Source and Country

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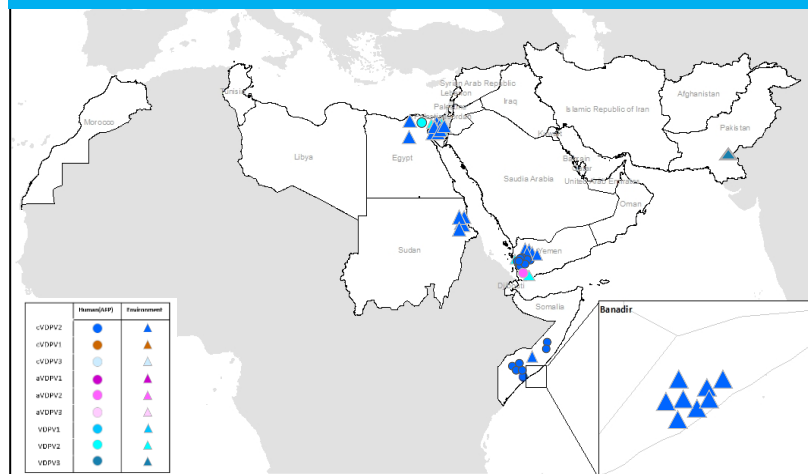
VDPV Isolates, EMR countries, 2024



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										
	Djibouti																	5	12									
	Egypt																	12	6	11	1							
	Iran																	3	1									
	Pakistan	22	135	8				23-04-21									38	135	35									
	Somalia	3	14	1	5	8	2	08-03-24	1	11		6	3	3	12-03-24	5	26	1	6	9	3	14-05-24	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	15	27-04-24			23	40	1	2	09-03-24			13	26	16	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												1								04-02-22
	Iran																		2								25-05-22	
	Jordan																		1								22-04-22	
	Somalia				1			01-09-22																			24-01-24	
	Sudan																				1						27-05-23	
	Yemen																		3	2								
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)