

EMR Polio Bulletin

World Health Organization – Regional Office for Eastern Mediterranean Issue No. 1341, Week 24 (ending on 16/06/2024)

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

- 11 cases of Wild Polio 1
 - 06 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

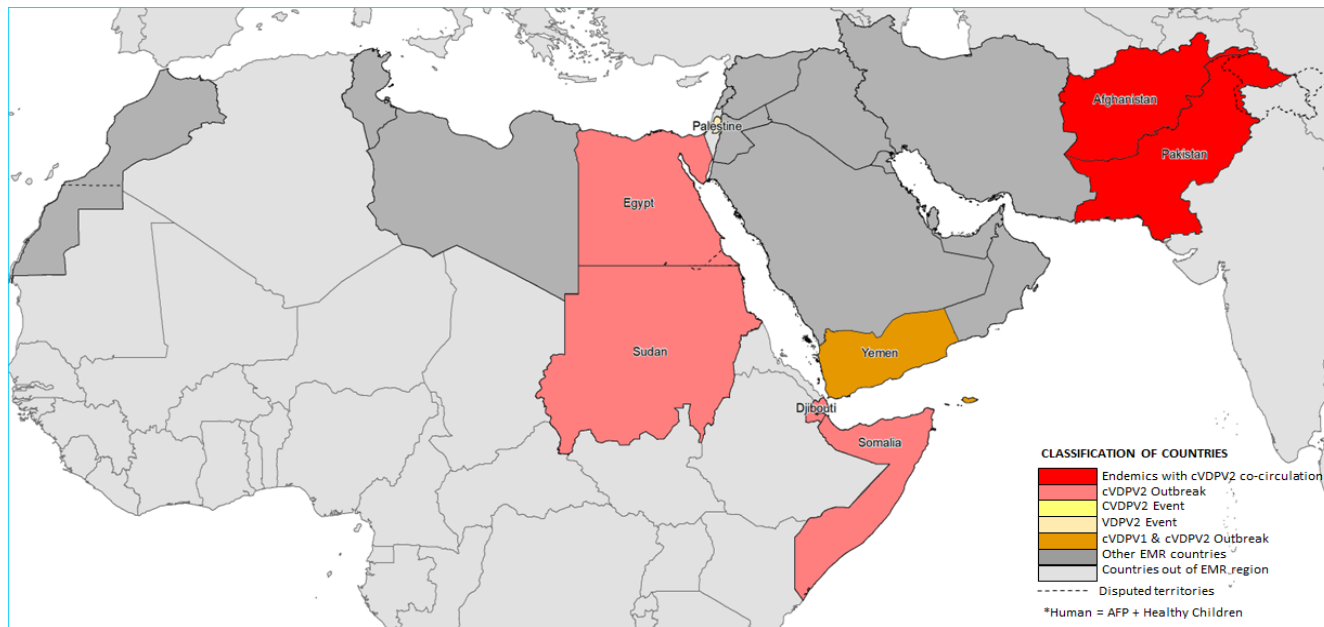
- 41 samples cVDPV2
 - 11 in Egypt
 - 16 in Yemen
 - 09 in Somalia
 - 05 in Sudan

2024

- 226 samples Wild Polio 1
 - 44 in Afghanistan
 - 182 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

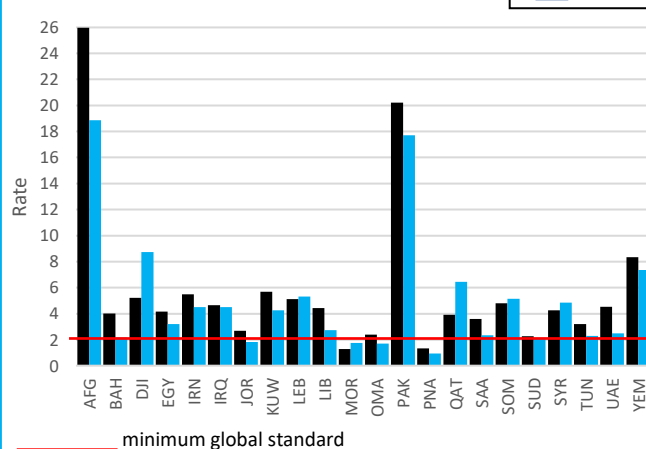
Wild Poliovirus

- One new WPV1 case in 2024 reported this week from Afghanistan. The new case is from Nawa-e-Barakzai district of Hilmand province, with date of onset on 22nd May 2024. The WPV1 case count in 2024 to date is 11 (6 from Afghanistan and 5 from Pakistan), and for 2023, the count remains 12 (6 each from Afghanistan and Pakistan).
- Twenty new WPV1 positive environmental samples (ES) reported this week, 11 from Afghanistan and 9 from Pakistan. The new isolates from Afghanistan are as follows: 4 from Kandahar province (Kandahar district), 4 from Hilmand province (1 from Nahr-e-Seraj district and 3 from Lashkargah district), and 1 each from Uruzgan province (Trinkot district), Herat province (Heart district), and Laghman province (Mehtarlam district). All samples are with a date of collection on 21st May 2024. The new isolates from Pakistan are as follows: 5 from Balochistan province (2 from Chaman district and one each from Loralai, Pishin and Quetta districts), 2 from Sindh province (1 each from Hyderabad and Mirpurkhas districts) and 1 each from Islamabad (CDA district) and Punjab province (Rawalpindi district). The dates of collection vary between 3rd - 4th of June 2024. The ES count to date in 2024 is 226 (44 from Afghanistan and 182 from Pakistan). In 2023, the count remains 188 (62 in Afghanistan and 126 in Pakistan).

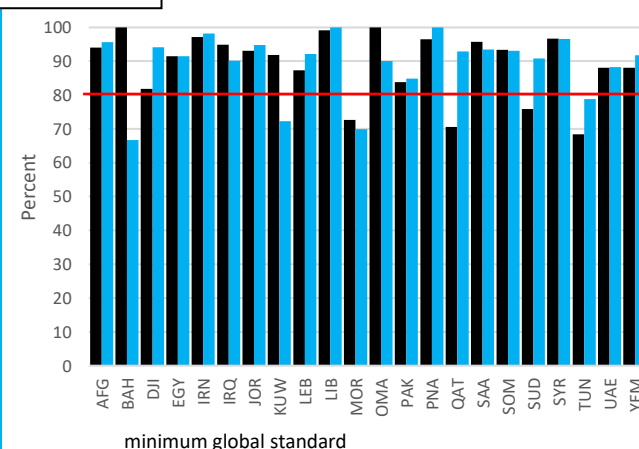
Vaccine derived poliovirus (VDPV)

- No new cVDPV2 cases reported this week. The total count of cVDPV2 cases to date in 2024 is 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



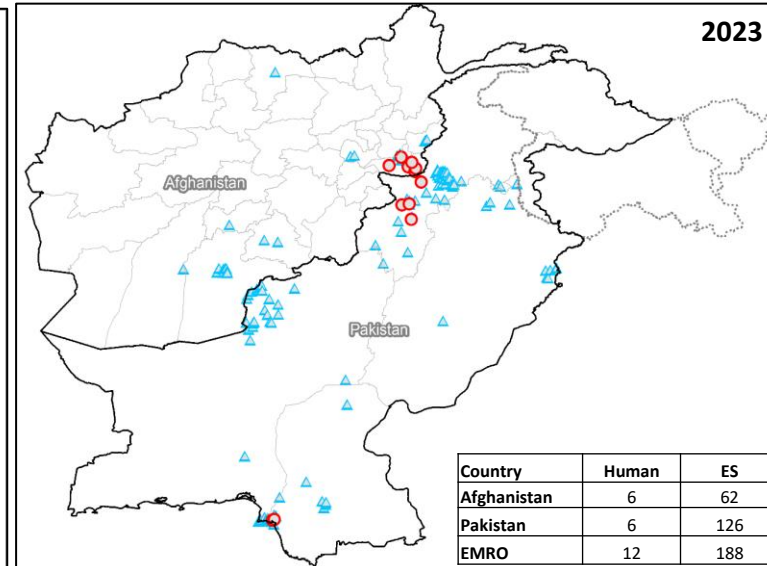
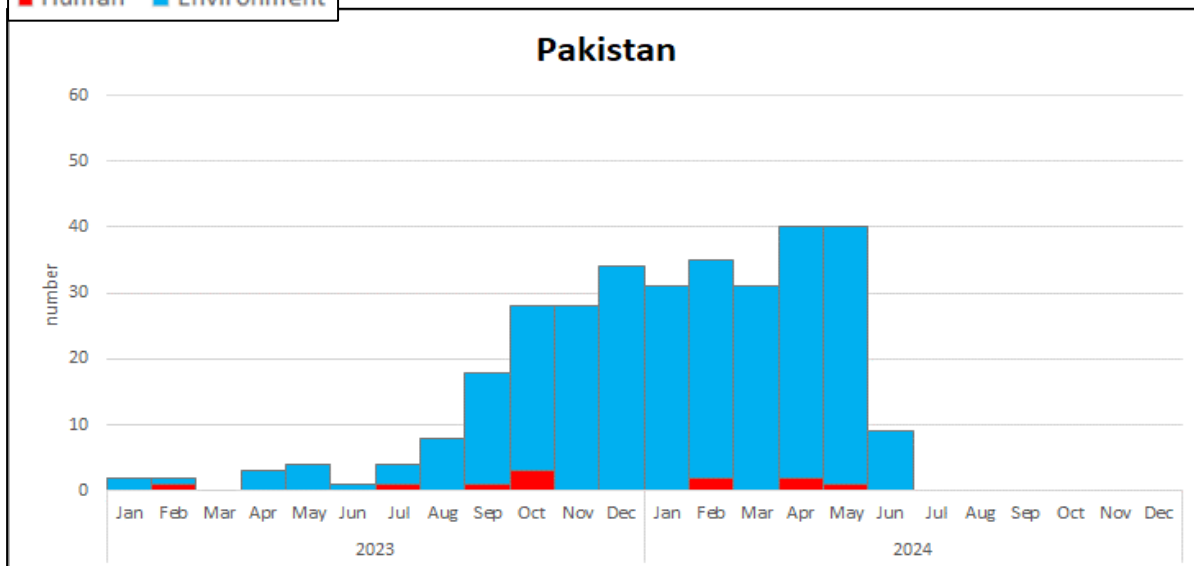
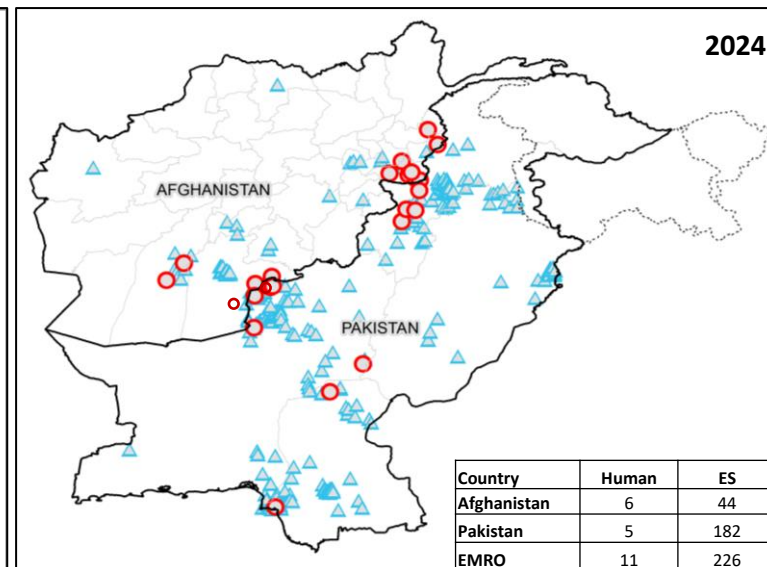
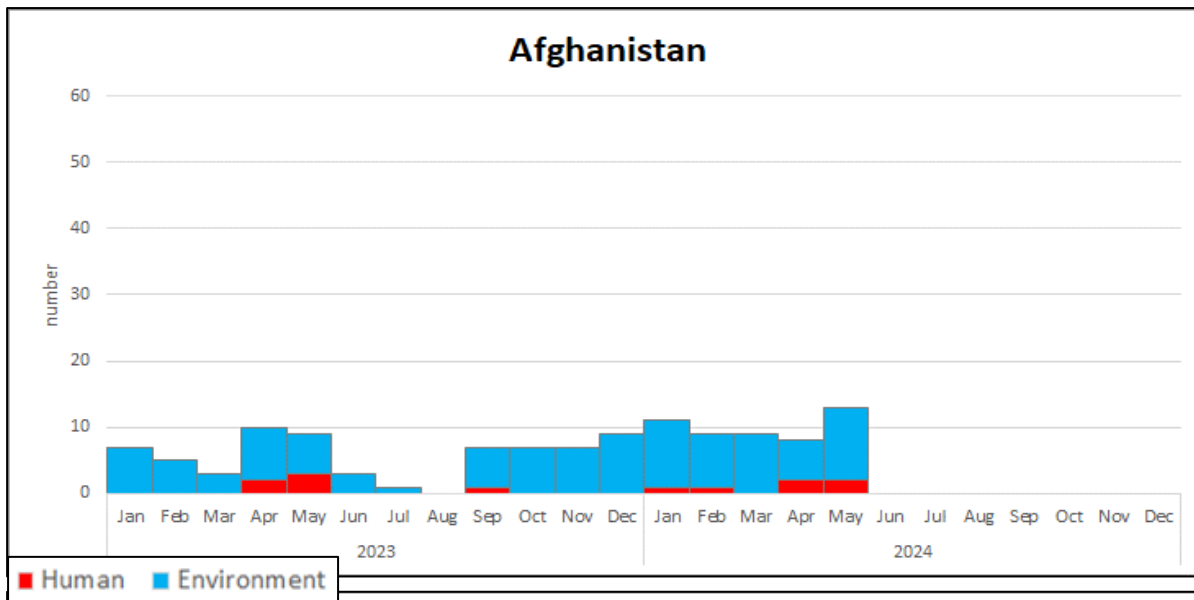
Stool adequacy



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

WPV1 Positive isolates from Afghanistan and Pakistan by source

EMR Polio Bulletin - Issue No. 1341, Week 24 (ending on 16/06/2024)



Virus isolation by country, last 12 months (16 June 2023, to 16 June 2024)

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Source / Virus type	AFG	PAK	EGY	SOM	SUD	YEM	Total
Human (AFP only)	7	10	1	8		17	43
Wild	7	10					17
cVDPV2				8		17	25
VDPV2			1				1
Environment	77	296	12	7	7	14	413
Wild	77	296					373
cVDPV2			12	7	7	14	40
Total	84	306	13	15	7	31	456

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

EMR Polio Bulletin - Issue No. 1341, Week 24 (ending on 16/06/2024)

Country	Total year 2022	Total year 2023	16 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			
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			
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			
Morocco	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	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	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	22-May-24

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

Investigation of AFP cases with paralysis onset in 2023 & 2024

EMR Polio Bulletin - Issue No. 1341, Week 24 (ending on 16/06/2024)

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	1972	6	0	1661	0	23	5	18.65	96	5855	6	0	5849	0	0	3	25.97	94	13-Jun-24
Bahrain	3	0	0	0	0	0	0	2.14	67	12	0	0	12	0	0	0	4.01	100	13-Jun-24
Djibouti	17	0	0	4	0	2	2	8.62	94	22	0	0	22	0	0	0	4.99	82	15-Jun-24
Egypt	610	0	0	572	0	14	0	3.16	91	1714	0	0	1714	1	0	0	4.16	91	13-Jun-24
Iraq	366	0	0	280	0	23	0	4.45	90	820	0	0	820	0	0	0	4.66	95	15-Jun-24
Islamic Republic of Iran	438	0	0	412	0	0	0	4.46	98	1150	0	0	1150	0	0	0	5.49	97	13-Jun-24
Jordan	38	0	0	31	0	0	0	1.80	95	116	0	0	116	0	0	0	2.68	93	13-Jun-24
Kuwait	18	0	0	17	0	0	0	4.21	72	49	0	0	49	0	0	0	5.69	92	09-Jun-24
Lebanon	38	0	0	26	0	1	0	5.25	92	79	0	0	79	0	0	0	5.11	87	14-Jun-24
Libya	33	0	0	26	0	0	0	2.72	100	113	0	0	113	0	0	0	4.32	98	13-Jun-24
Morocco	93	0	0	0	0	52	0	1.72	70	150	0	0	150	0	0	0	1.28	73	14-Jun-24
Oman	10	0	0	9	0	0	0	1.70	90	30	0	0	30	0	0	0	2.38	100	13-Jun-24
Pakistan	8026	5	0	6858	0	126	12	17.50	85	19771	6	0	19765	0	0	4	20.22	84	16-Jun-24
Palestine	9	0	0	2	0	3	0	0.92	100	28	0	0	28	0	0	0	1.35	96	12-Jun-24
Qatar	14	0	0	0	0	4	0	6.39	93	17	0	0	17	0	0	0	3.91	71	09-Jun-24
Saudi Arabia	91	0	0	44	0	10	1	2.32	93	301	0	0	301	0	0	0	3.60	96	02-Jun-24
Somalia	216	0	0	199	2	0	0	5.09	93	433	0	0	425	8	0	0	4.72	93	16-Jun-24
Sudan	206	0	0	11	0	68	5	2.12	91	473	0	0	453	0	20	1	2.28	76	15-Jun-24
Syrian Arab Republic	174	0	0	158	0	0	0	4.79	97	332	0	0	332	0	0	0	4.27	97	15-Jun-24
Tunisia	33	0	0	24	0	0	0	2.27	79	95	0	0	95	0	0	0	3.20	68	07-Jun-24
United Arab Emirates	17	0	0	7	0	5	5	2.46	88	67	0	0	67	0	0	0	4.54	88	27-May-24
Yemen	554	0	0	295	10	19	12	7.28	92	1331	0	0	1321	9	1	0	8.27	88	09-Jun-24
EMR POL	12976	11	0	10636	12	350	42	9.48	88	32958	12	0	32908	18	21	8	11.30	87	

* 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

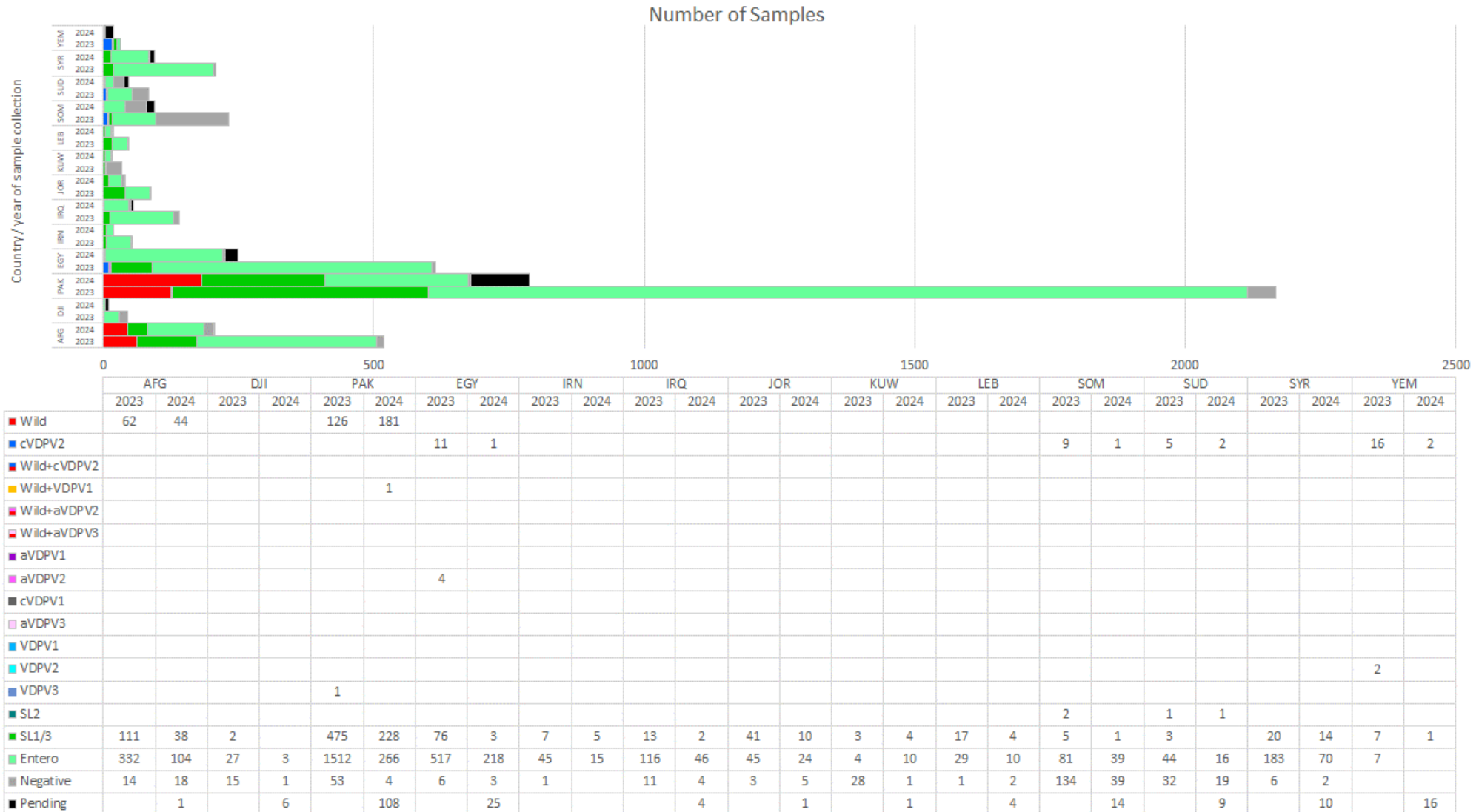
*** Adequate here refers to two stool specimens collected at least 24 hours apart, with 14 days of paralysis onset and specimens received in the lab in 'Good Condition'

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

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

Environmental Surveillance Isolation by Classification

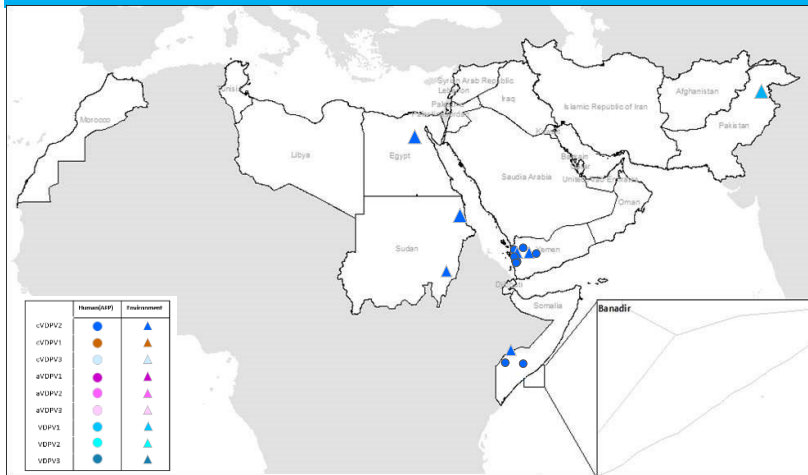
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VDPVs isolations by Source and Country

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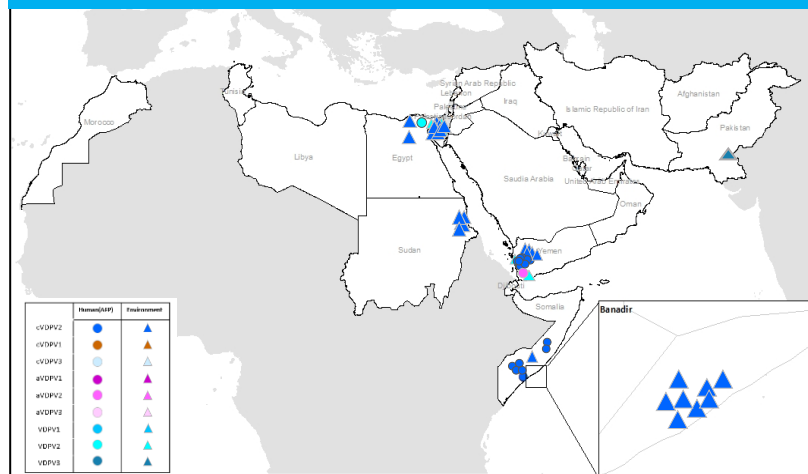
VDPV Isolates, EMR countries, 2024



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		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

EMR Polio Bulletin - Issue No. 1341, Week 24 (ending on 16/06/2024)

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)