

Highlights



Children Paralyzed by polio

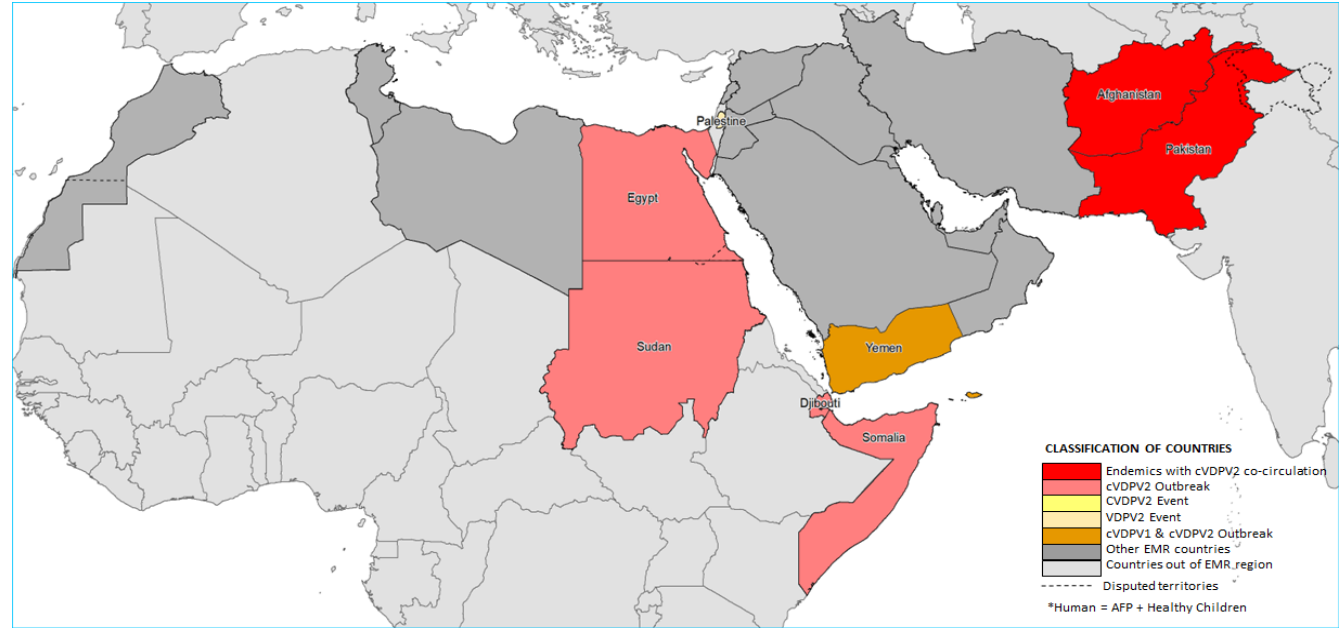
2023	2024
<ul style="list-style-type: none"> 12 cases of Wild Polio 1 <ul style="list-style-type: none"> 06 in Afghanistan 06 in Pakistan 	<ul style="list-style-type: none"> 5 cases of Wild Polio 1 <ul style="list-style-type: none"> 03 in Afghanistan 02 in Pakistan
<ul style="list-style-type: none"> 16 cases of cVDPV2 <ul style="list-style-type: none"> 08 in Somalia 08 in Yemen 	<ul style="list-style-type: none"> 9 cases of cVDPV2 <ul style="list-style-type: none"> 02 in Somalia 07 in Yemen
<ul style="list-style-type: none"> Zero cVDPV1 cases 	<ul style="list-style-type: none"> Zero cVDPV1 cases



Sewage water sampling

2023	2024
<ul style="list-style-type: none"> 188 samples Wild Polio 1 <ul style="list-style-type: none"> 62 in Afghanistan 126 in Pakistan 	<ul style="list-style-type: none"> 163 samples Wild Polio 1 <ul style="list-style-type: none"> 29 in Afghanistan 134 in Pakistan
<ul style="list-style-type: none"> 41 samples cVDPV2 <ul style="list-style-type: none"> 11 in Egypt 16 in Yemen 09 in Somalia 05 in Sudan 	<ul style="list-style-type: none"> 4 sample cVDPV2 <ul style="list-style-type: none"> 1 in Sudan 1 in Egypt 2 in Yemen

Classification of EMR countries by type of poliovirus circulation



Highlights of the week

Wild Poliovirus

- One new WPV1 case reported in 2024 from Afghanistan this week. The newly reported WPV1 case is from Arghistan district, Kandahar province, with date of onset 5th April 2024. The WPV1 case count in 2024 to date is 5 (3 from Afghanistan and 2 from Pakistan), and for 2023, the count remains to be 12 (6 each from Afghanistan and Pakistan).
- Twenty-four new WPV1 positive environmental samples (ES) in 2024 reported this week from Afghanistan (2) and Pakistan (22). The new positive samples were reported as follows:

Afghanistan: 2 WPV1 ES in 2024 were reported one each from Jalalabad district, Nangarhar province, and Kabul district, Kabul province, with collection dates of 22nd and 23rd April 2024 respectively.

Pakistan: 22 WPV1 ES in 2024 were reported from: 8 from Khyber Pakhtunkhwa province (2 from Peshawar, one each from Bannu, Lakki Marwat, Swabi, Swat, Kohat, and Lahore districts), 7 each from Sindh province (6 from Karachi Towns, and 1 from Jamshoro district), and Balochistan province (3 from Quetta, and 1 each from Hub, Sibi, Lasbela, and Pishin districts). Collection dates varies between 3rd to 25th April 2024.

ES count to date is 163 (29 from Afghanistan and 134 from Pakistan). In 2023, the count remains to be 188 (62 in Afghanistan and 126 in Pakistan).

Vaccine derived poliovirus (VDPV)

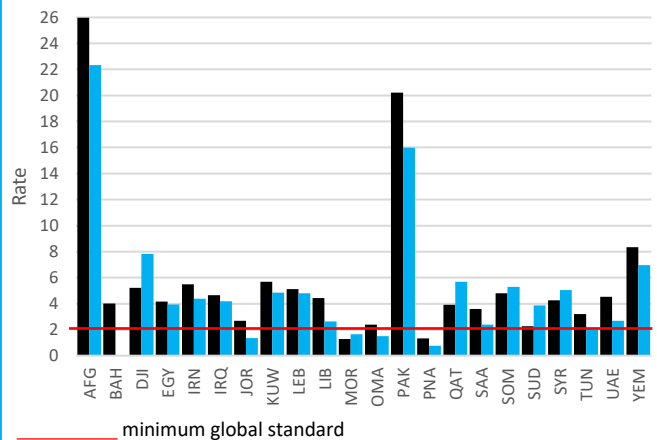
- Two new cVDPV2 cases reported in 2024 from Yemen this week. The newly reported cVDPV2 cases are from Al Marawah district, Al Hudaidah province, with date of onset 15th January 2024 (this case was identified as cVDPV2 by two positive contacts). The second case was reported from Alashah district, Amran province, with date of onset 28th February 2024. The total count of cVDPV2 cases to date in 2024 is 9 (7 from Yemen and 2 from Somalia) and in 2023 the count remains to be 16 (8 each from Somalia and Yemen).
- The count of the cVDPV2 positive ES in 2024 to date is 4 (2 from Yemen and 1 each from Egypt and Sudan), and in 2023 the count remains to be 41 (16 from Yemen, 11 from Egypt, 9 from Somalia, and 5 from Sudan).

Events

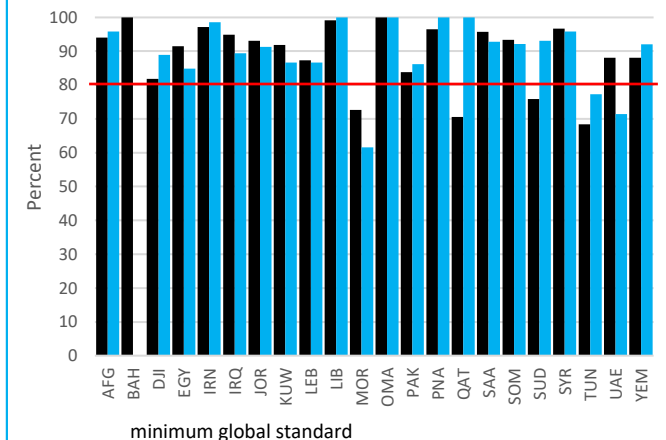
- The following polio activities are taking place next week in Doha, Qatar:
 - Refresher Training of the EM/RCC on the Electronic Annual Certification Reports System (e-ACR), 18th May 2024
 - 38th Meeting of the Eastern Mediterranean Regional Certification Commission (EM/RCC), 19-21 May 2024
 - Workshop on strengthening polio certification and containment activities in the Eastern Mediterranean Region, 22-23 May 2024
 - Meeting of the Technical Advisory Group (TAG) of Afghanistan / Pakistan, 22-25 May 2024

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

Non polio AFP rate



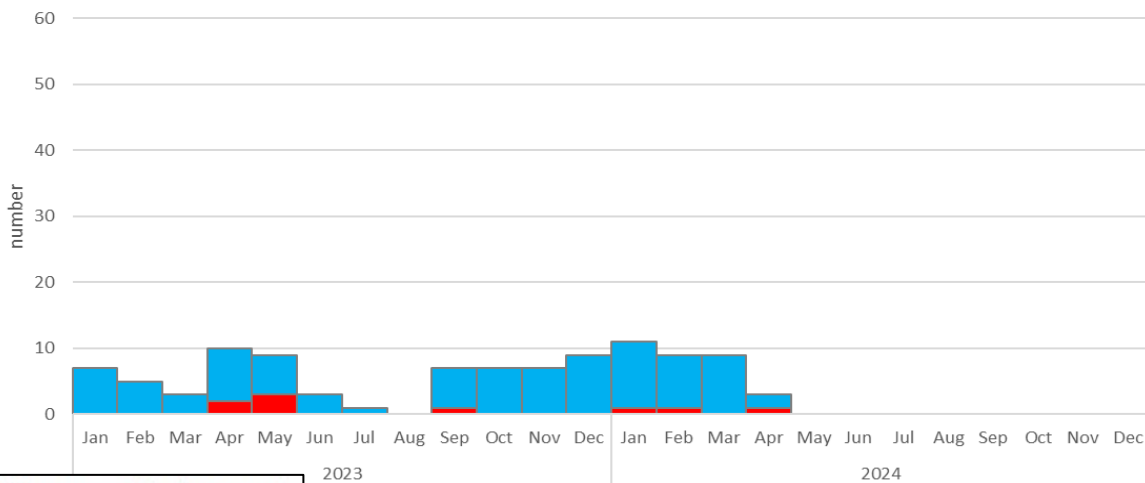
Stool adequacy



WPV1 Positive isolates from Afghanistan and Pakistan by source

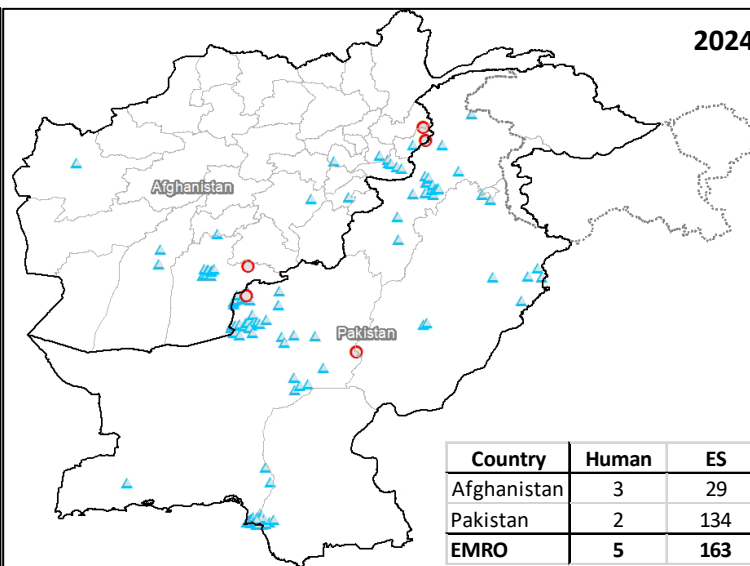
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Afghanistan

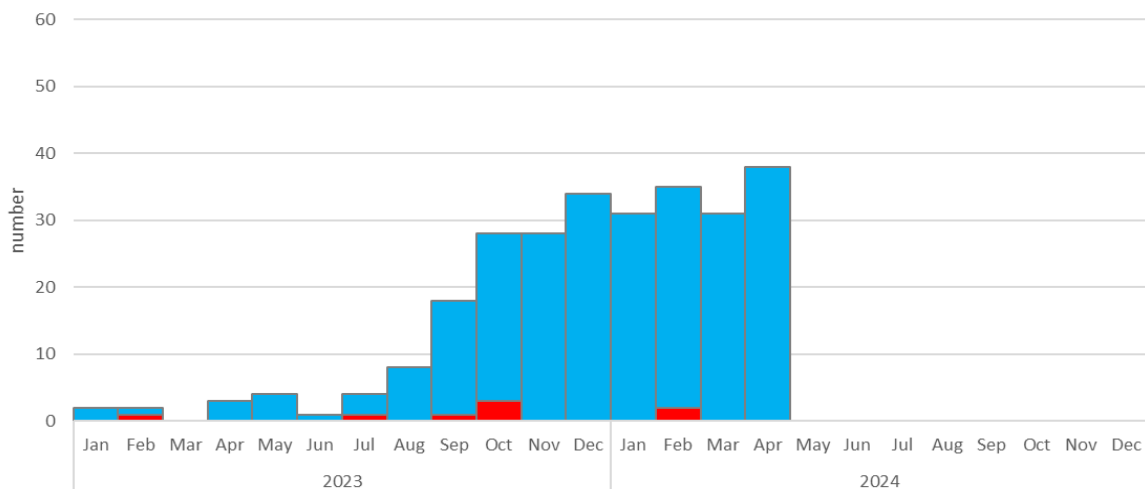


■ Human ■ Environment

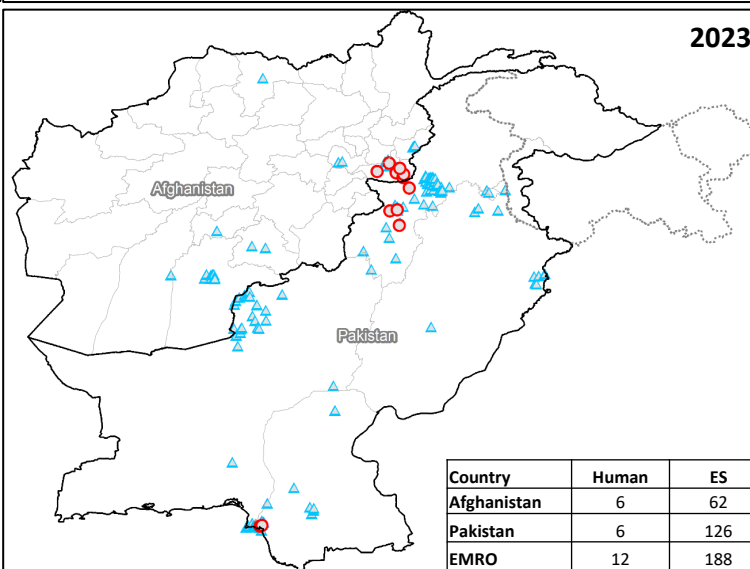
2024



Pakistan



2023



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

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Source / Virus type	AFG	PAK	EGY	SOM	SUD	YEM	Total
Human (AFP only)	6	7	1	8		14	36
Wild	6	7					13
cVDPV2				8		14	22
aVDPV2							
VDPV2			1				1
Environment	68	252	12	8	7	16	363
Wild	68	251					319
cVDPV2			12	8	6	15	41
aVDPV2							
VDPV2					1	1	2
WILD+VDPV1		1					1
Total	74	259	13	16	7	30	398

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	12 May		Confirmed Wild Polio 1 Cases by month of onset												Recent most Case	
			2023	2024	2023						2024							
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
Afghanistan	2	6	3	3	0	0	0	1	0	0	0	0	1	1	0	1		05-Apr-24
Bahrain	0	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					
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	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				
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Pakistan	20	6	1	2	0	1	0	1	3	0	0	0	2					29-Feb-24
Palestine ****	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					
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					
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								
EMR	22	12	4	5	0	1	0	2	3	0	0	1	3	0	1	0	29-Feb-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	1833	3	0	1557	0	1	0	22.32	95.80	5855	6	0	5849	0	0	0	25.97	94.01	12-May-24
BAHRAIN	0	0	0	0	0	0	0	0.00		12	0	0	12	0	0	0	4.01	100.00	12-May-24
DJIBOUTI	9	0	0	4	0	0	0	7.83	88.89	22	0	0	22	0	0	0	5.23	81.82	11-May-24
EGYPT	607	0	0	424	0	7	0	3.95	84.84	1714	0	0	1714	1	0	0	4.16	91.48	9-May-24
IRAN	336	0	0	320	0	0	0	4.38	98.51	1150	0	0	1150	0	0	0	5.48	97.13	11-May-24
IRAQ	273	0	0	206	0	14	0	4.19	89.38	820	0	0	820	0	0	0	4.66	94.88	9-May-24
JORDAN	23	0	0	18	0	0	0	1.36	91.30	116	0	0	116	0	0	0	2.68	93.10	9-May-24
KUWAIT	15	0	0	14	0	0	0	4.84	86.67	49	0	0	49	0	0	0	5.69	91.84	12-May-24
LEBANON	30	0	0	17	0	0	0	4.80	86.67	79	0	0	79	0	0	0	5.11	87.34	12-May-24
LIBYA	25	0	0	13	0	0	0	2.65	100.00	115	0	0	115	0	0	0	4.43	99.13	11-May-24
MOROCCO	65	0	0	0	0	24	1	1.66	61.54	150	0	0	150	0	0	0	1.28	72.67	6-May-24
OMAN	7	0	0	6	0	0	0	1.51	100.00	30	0	0	30	0	0	0	2.38	100.00	9-May-24
PAKISTAN	5692	2	0	4779	0	99	0	15.98	86.19	19762	6	0	19740	0	16	0	20.21	83.81	12-May-24
PALESTINE	6	0	0	1	0	3	0	0.77	100.00	28	0	0	27	0	1	0	1.35	96.43	12-May-24
QATAR	9	0	0	0	0	2	0	5.68	100.00	17	0	0	17	0	0	0	3.91	70.59	5-May-24
SAUDI ARABIA	69	0	0	35	0	0	0	2.40	92.75	301	0	0	301	0	0	0	3.60	95.68	12-May-24
SOMALIA	177	0	0	160	2	2	2	5.28	92.09	433	0	0	425	8	0	0	4.81	93.30	12-May-24
SUDAN	129	0	0	11	0	33	2	3.87	93.02	473	0	0	452	0	21	1	2.28	75.90	12-May-24
SYRIA	143	0	0	110	0	0	0	5.05	95.80	332	0	0	332	0	0	0	4.27	96.69	11-May-24
TUNISIA	22	0	0	9	0	0	0	2.05	77.27	95	0	0	95	0	0	0	3.20	68.42	5-May-24
U.A.E.	14	0	0	1	0	1	0	2.69	71.43	67	0	0	67	0	0	0	4.54	88.06	6-May-24
YEMEN	412	0	0	188	7	18	14	6.97	91.99	1331	0	0	1320	9	2	1	8.33	88.05	11-May-24
EMR POL	9896	5	0	7873	9	204	19	9.67	88.89	32951	12	0	32882	18	40	2	11.30	87.23	

* 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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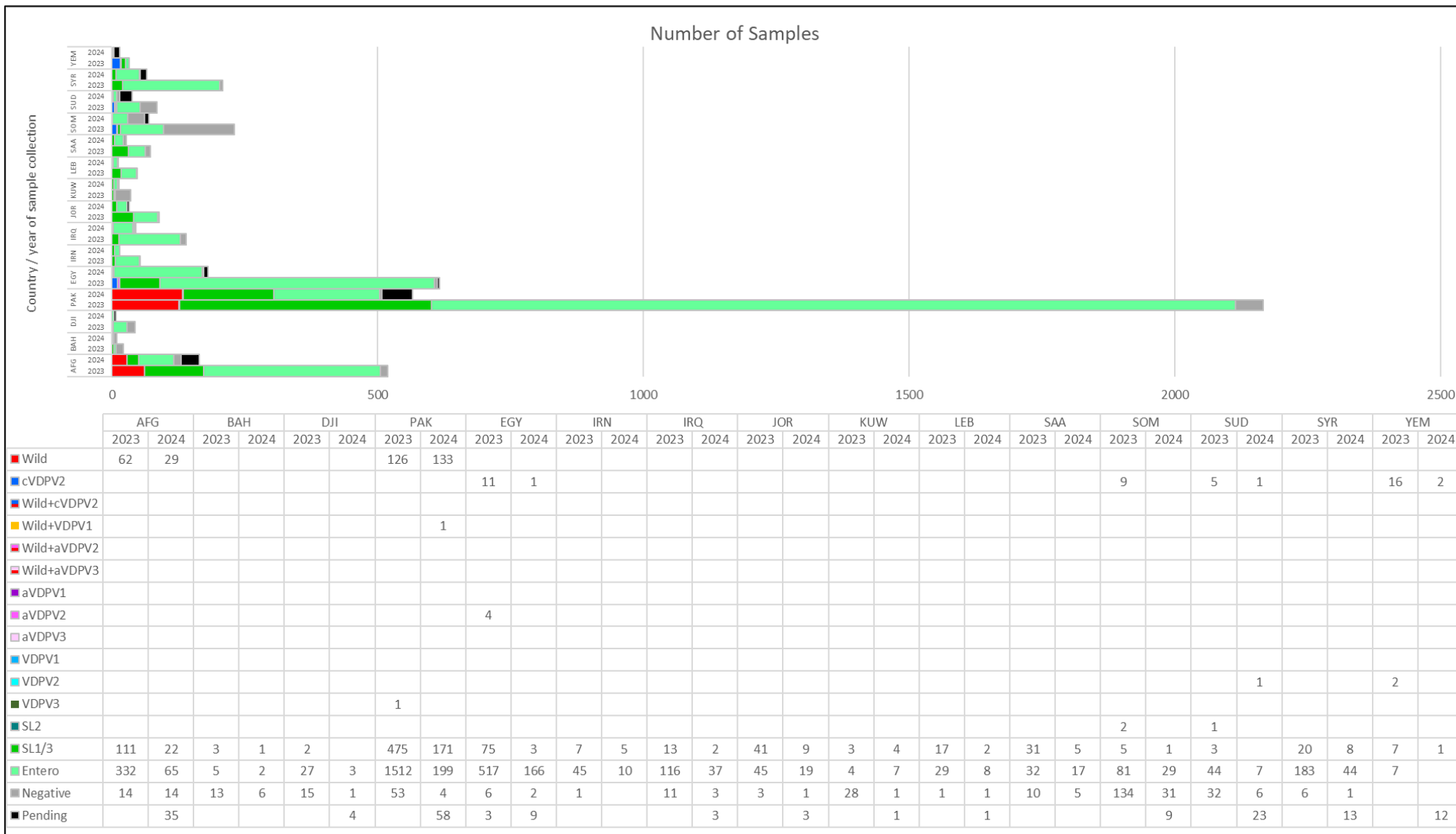
Country	Polio laboratories		AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results											Indicators				Latest report Date			
	ITD / Nucleotide Sequencing			Referred for ITD		NPEV only	Negative	Pending		Type 1			Type 2			Type 3			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		1818	79	10	175	1308	95	18	3	46						64							8%	82%	100%	72%	12-May-24
Bahrain	NPL Oman / CDC																											09-May-24
Djibouti	NPL Kenya / CDC		9				4		5															0%	25%		100%	11-May-24
Egypt	RRL Egypt		561	5		24	487	36	9		1						3							4%	92%	100%	100%	12-May-24
Iran	NPL Iran / CDC		384	2		4	342	36			1						2							1%	100%	100%	99%	11-May-24
Iraq	NPL Iraq, RRL Egypt		280	10		34	200	27	9		3						8							13%	100%	100%	99%	10-May-24
Jordan	NPL Jordan, RRL Egypt		25			6	13	6																32%	84%		95%	12-May-24
Kuwait	RRL Kuwait / RIVM		15	1		1	12	1													1			4%	86%		100%	12-May-24
Lebanon	NPL Syria, RRL Egypt		19				18		1															0%	100%			25-Apr-24
Libya	RRL Tunisia / RIVM		13				13																	0%	100%		38%	11-May-24
Morocco	NPL Morocco, RRL Tunisia		52				45	2	5															0%	100%		98%	10-May-24
Oman	NPL Oman / CDC		8				4	2	2															6%	100%		100%	09-May-24
Pakistan	RRL Pakistan		5590	284	10	566	4241	385	66	2	168						198		1					8%	88%	100%	96%	12-May-24
Palestine & UNRWA			6				5	1																0%	20%		100%	12-May-24
Qatar	NPL Oman / CDC		10	1			8	1									1							0%	100%	1	100%	09-May-24
Saudi Arabia	NPL Saudi Arabia / CDC		62	3		5	47	1	6		1						1				1			8%	87%	67%	100%	06-May-24
Somalia	NPL Kenya / CDC		177	5		18	139	6	9		2					3	1							11%	3%		91%	12-May-24
Sudan	NPL Sudan / RRL Egypt		53			5	48																	8%	100%		36%	14-Apr-23
Syria	NPL Syria / RRL Egypt		125	1		3	106		15															3%	100%			25-Apr-24
Tunisia	RRL Tunisia		25				24	1																0%	100%		100%	11-May-24
U.A.E	NPL Oman / CDC		6					6																0%				09-May-24
Yemen	NPLs Oman, Jordan & Kenya, RRL Egypt		240	11		41	188		1		2						2		1					17%	29%	91%	12%	11-May-24
Total EMR 2024			9478	402	20	882	7252	606	146	5	224					1	9 **	280	2		1	1	8%	85%	100%	89%		
Total EMR 2023			32172	1012	81	4530	26507		35	12 *	656					8	22	766		4	3	1	12%	90%	100%	93%		

* 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

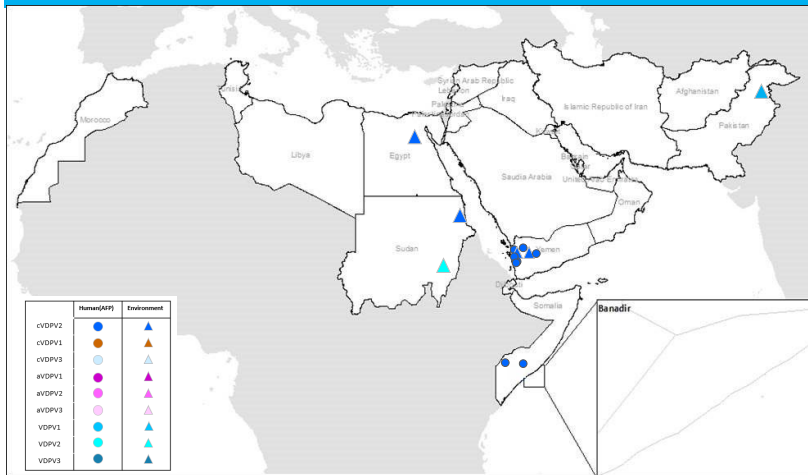
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VDPVs isolations by Source and Country

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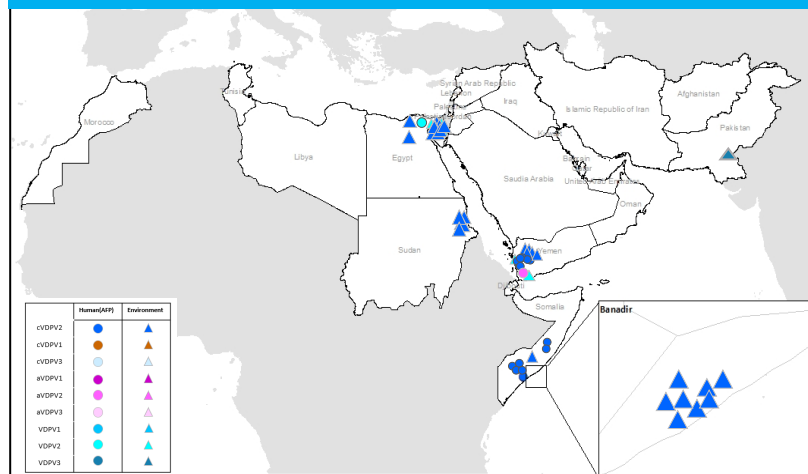
VDPV Isolates, EMR countries, 2024



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																																					
	Djibouti																																											
	Egypt																																											
	Iran																																											
	Pakistan	22	135	8			23-04-21																																					
	Somalia	3	14	1	5	8	2	08-03-24	1	11		6	3	3	12-03-24	5	26	1	6	9																								
	Sudan		58		1			31-10-22	18						08-10-20		14		1	5	1																							
	Yemen				66	162	8	7	28-02-24			23	40	1	2	09-03-24		13	26	16	2																							
cVDPV1	Yemen	1	31	3				27-03-21	2																																			
cVDPV3	Somalia							07-09-18																																				
aVDPV1	Afghanistan							22-02-21																																				
	Egypt																																											
	Pakistan																																											
	Somalia							26-01-20																																				
	Yemen							20-07-21																																				
aVDPV2	Afghanistan	3	1	1				01-01-22	75	15	1			14-02-22	2	3																												
	Egypt													14-06-21	1	67	7	4																										
	Iran																																											
	Pakistan	7	8					24-09-21	8	19	1			28-04-21	3	22	37	1																										
	Somalia							01-09-22						22-08-22	1																													
	Yemen							05-09-23						09-12-21																														
aVDPV3	Afghanistan							23-06-20																																				
	Egypt																																											
	Pakistan																																											
VDPV1	Egypt																																											
	Pakistan																																											
VDPV2	Egypt							1	17-07-23																																			
	Iran																																											
	Jordan																																											
	Somalia							1	01-09-22																																			
	Sudan																																											
VDPV3	Yemen																																											
	Pakistan																																											

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)