



World Health Organization – Regional Office for Eastern Mediterranean

AFP SURVEILLANCE

12-Dec-16

Week 49, ending 11 December 2016

Number 949

Table 1: Acute Flaccid Paralysis (AFP) cases by week of onset

Country	Reported AFP cases by week of onset - Week (49/16) / Ending on : 11/12/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	W38 25 Sep 16	W39 02 Oct 16	W40 09 Oct 16	W41 16 Oct 16	W42 23 Oct 16	W43 30 Oct 16	W44 06 Nov 16	W45 13 Nov 16	W46 20 Nov 16	W47 27 Nov 16	W48 04 Dec 16	W49 11 Dec 16
Afghanistan	2421	2738	2673	46	65	48	48	56	50	59	68	53	43	18	
Bahrain	16	19	14	0	0	0	0	0	0	0	0	1	1	0	
Djibouti	3	3	3												
Egypt	1000	1046	997	31	19	14	31	21	21	41	17	33	19	17	
Iran	753	780	710	13	9	12	20	14	14	15	20	13	7	2	
Iraq	590	520	548	14	12	7	14	8	17	13	11	10	9	5	
Jordan ****	62	90	99	0	2	2	4	2	2	2	3	3	3	1	
Kuwait	32	32	42	1	0	1	1	1	0	1	0	3	0	4	2
Lebanon ****	50	113	104	2	3	1	4	7	1	2	1	5	1	0	
Libya	43	54	58	2	1	5	1	0	1	2	1	3	1	0	
Morocco	103	79	67	4	1	1	2	1	0	0	0	0			
Oman	34	39	35	2	0	0	0	1	0	0	1	0	0	0	
Pakistan	5370	5814	6734	191	155	132	162	175	171	133	130	161	125	24	0
Palestine ****	21	38	45	1	0	1	0	0	4	0	0	0	0	0	
Qatar	7	11	7	1	1	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	227	254	197	4	1	0	2	9	3	2	1	1	0	0	
Somalia	420	281	291	7	6	6	6	11	7	2	4	4	10	3	0
Sudan	442	436	491	8	12	13	10	8	7	10	10	9	7	5	1
Syria ****	306	235	263	3	7	3	5	3	3	8	3	5	2	1	
Tunisia	44	64	82	3	4	2	1	2	3	2	1	3	1	0	
U.A.E	25	31	35	0	1	0	0	1	0	3	1	1	2	0	
Yemen	578	537	666	21	11	14	9	16	11	4	9	10	10	11	
Total EMR	12547	13214	14161	354	310	262	320	336	315	299	281	318	241	91	3

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	11/12		Confirmed polio cases by month of onset											
			2015	2016	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016	October 2016	November 2016	December 2016
Afghanistan	28	20	19	12	1	2	1	1	1	0	0	2	2	2		
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	0		
Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Iraq	2	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	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			
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pakistan	306	54	52	18	2	4	2	3		2	1		2	1	1	
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	5	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syria ****	1	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	0	0	0		
Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total EMR	342	74	71	30	3	6	3	4	1	2	1	2	4	3	1	0

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



Table 3: Investigation of AFP cases with paralysis onset in 2015 & 2016 up to Week (49/16) / Ending on : 11/12/2016

COUNTRY	2015												2016												Latest line List Date		
	AFP									Specimen		Wild cases ****		AFP									Specimen			Wild cases ****	
	Total AFP cases onset 2015	Case classification					Non polio AFP rate **	AFP cases pending classification > 90 days from onset of paralysis	AFP cases pending classification and lab > 90 days from onset of paralysis	% with *** adequate specimens	Wild P1 Poliovirus	Wild P3 Poliovirus	Total AFP cases onset 2016	Case classification					Annualized Non polio AFP rate **	AFP cases pending classification > 90 days from onset of paralysis	AFP cases pending classification and lab > 90 days from onset of paralysis	% with *** adequate specimens	Wild P1 Poliovirus	Wild P3 Poliovirus			
		Total Confirmed Polio Cases *	Polio Compatible	Pending Classification	Discarded (non polio AFP)	VDPV								Total Confirmed Polio Cases *	Polio Compatible	Pending Classification	Discarded (non polio AFP)	VDPV									
Afghanistan	2738	20	3	0	2715	0	13.8	0	0	93.0	20	0	2673	12	0	154	2506	1	14.2	10	0	92.4	12	0	08/12/2016		
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	14	0	0	2	12	0	5.4	0	0	100.0	0	0	08/12/2016		
Djibouti	3	0	0	0	3	0	1.0	0	0	66.7	0	0	3	0	0	2	1	0	1.1	2	0	33.3	0	0	10/09/2016		
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	997	0	0	159	838	0	2.8	2	0	91.3	0	0	05/12/2016		
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	710	0	0	12	698	0	4.0	0	0	95.2	0	0	10/12/2016		
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	548	0	0	68	479	1	4.0	18	1	81.4	0	0	10/12/2016		
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	99	0	0	29	70	0	3.7	6	0	100.0	0	0	08/12/2016		
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	42	0	0	11	31	0	5.1	2	0	78.6	0	0	11/12/2016		
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	104	0	0	18	86	0	5.7	9	0	82.7	0	0	09/12/2016		
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	58	0	0	9	49	0	2.9	1	0	96.6	0	0	10/12/2016		
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	67	0	0	27	40	0	0.7	20	1	61.2	0	0	25/11/2016		
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	35	0	0	2	33	0	4.3	0	0	80.0	0	0	08/12/2016		
Pakistan	5814	54	11	0	5745	4	7.4	0	0	87.2	54	0	6734	18	1	439	6275	1	9.1	77	7	88.8	18	0	11/12/2016		
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	45	0	0	6	39	0	2.5	0	0	97.8	0	0	08/12/2016		
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	7	0	0	3	4	0	2.5	1	0	100.0	0	0	11/12/2016		
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	197	0	0	33	164	0	2.2	8	8	98.0	0	0	08/12/2016		
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	291	0	0	15	275	1	5.3	0	0	99.3	0	0	11/12/2016		
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	491	0	0	19	472	0	3.1	0	0	97.6	0	0	08/12/2016		
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	263	0	0	15	248	0	3.6	0	0	87.5	0	0	10/12/2016		
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	82	0	0	12	70	0	3.3	1	0	78.0	0	0	07/12/2016		
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	35	0	0	5	30	0	3.7	0	0	100.0	0	0	10/12/2016		
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	666	0	0	121	544	1	5.4	2	0	91.1	0	0	10/12/2016		
EMR	13214	74	15	1	13116	8	5.4	1	0	90.2	74	0	14161	30	1	1161	12964	5	6.0	159	17	90.3	30	0			
2014	12546	342	59	0	12116	30	4.9	0	0	90.7	342	0															

* 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, within 14 days of paralysis onset

**** AFP cases co infected with P1 and P3 are counted separately as wild isolates



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Table 4 (a): Last wild contacts in EMRO, 01/01/2016 - 11/12/2016

Year	Country	Data	
		Count of wild contacts	Date of Most Recent stool collection
2016	Pakistan	4	08-10-16
	Afghanistan	4	07-10-16
2016 Total		8	08-10-16

Table 4 (b): Number and distribution by district of -ve index AFP cases identified as wild positive by contact in EMR, 2015-2016

YEAR	COUNTRY	PROVINCE	DISTRICT	COUNT	First case	Last case
2015	AFG	FARAH	GULESTAN	1	23-04-15	23-04-15
			BAKWA	1	21-04-15	21-04-15
		KANDAHAR	1	20-12-15	20-12-15	
	AFG Total			3	21-04-15	20-12-15
	PAK	KHYBER PAKHTOON	PESHAWAR	1	08-06-15	08-06-15
TANK			1	25-01-15	25-01-15	
PAK Total			2	25-01-15	08-06-15	
2016	AFG	KUNAR	SHIGAL WA SHELTA	1	26-02-16	26-02-16
			NAWZAD	1	23-01-16	23-01-16
		PAKTIKA	1	01-09-16	01-09-16	
	AFG Total			3	23-01-16	01-09-16
	PAK	KHYBER PAKHTOON	KOHISTAN	1	03-09-16	03-09-16
PAK Total			1	03-09-16	03-09-16	



AFP SURVEILLANCE

5-Dec-16

Week 49, ending 11 December, 2016

Number 948

Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (48/16) / Ending on : (04/12/2016)

Country	Polio laboratories Sequencing performed by CDC and RIVM laboratories	AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results #											Indicators				Latest report Date		
			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**
			L20B+	L20B+/NPEV			received < / = 14 days	received > 14 days ago	Wild	Sabin	VDPV	Wild	Sabin	VDPV	Wild	Sabin	VDPV									
Afghanistan	RRL Pakistan	2627	203	32	542	1767	83		9	127			19	1		147			3			19%	96%	97%	97%	09/12/2016
Bahrain	PNL Oman	12	1			11													1			0%	100%		82%	28/11/2016
Djibouti	NPL Kenya	1			1																	100%			100%	10/09/2016
Egypt***	RRL Egypt	957	27	1	144	672	13	99		9			7			15		1	3	2		13%	99%	100%	99%	08/12/2016
Iran	NPL Iran	711	9		14	680	6	2		5			1			5		1				2%	100%	100%	99%	10/12/2016
Iraq	RRL Egypt	542	18		47	442	22	13		6			9	1		8		1				11%	100%	100%	88%	08/12/2016
Jordan	RRL Tunisia	100	4		10	84	2			6						3						10%	100%	100%	100%	08/12/2016
Kuwait	RRL Kuwait	42	1		1	40														1		1%	76%		90%	10/11/2016
Lebanon	NPL Jordan	105	3		8	90	2	3														6%	100%		100%	08/12/2016
Libya	RRL Tunisia	56	2		3	47	3	1		2												6%	100%	100%	98%	02/12/2016
Morocco	RRL Tunisia	71	2		4	60	4	1												1		10%	95%	67%	93%	09/12/2016
Oman	NPL Oman	37			9	27		1														18%	100%		100%	28/11/2016
Pakistan	RRL Pakistan	6810	360	36	1452	4592	365	3	17	201			33	1		243			8			19%	98%	98%	97%	09/12/2016
Palestine & UNRWA		45			5	40																11%	30%		98%	08/12/2016
Qatar	NPL Oman	7			1	6																14%	100%		100%	28/11/2016
Saudi Arabia	NPL Oman	188			6	174		8							1							3%	99%	100%	88%	30/10/2015
Somalia	NPL Kenya	291	7	13	44	213	9	5		8			9	1		13				2		21%	11%		98%	11/12/2016
Sudan	RRL Egypt	479	2		69	394	10	4		1					2							14%	87%	100%	67%	04/12/2016
Syria	RRL Egypt	284	7		14	257	4	2		2			1		4							4%	100%	100%	88%	08/12/2016
Tunisia	RRL Tunisia	81			3	73	3	2														5%	100%		96%	02/12/2016
U.A.E	NPL Oman	30			2	27	1															5%	100%		97%	28/11/2016
Yemen	RRL Egypt	570	16	4	120	373		57		6			3	1		10			2	1		20%	63%	100%	51%	08/12/2016
Total EMR 2016		14046	662	86	2499	10069	527	201	26	373			82	5		451		3	16	3	5	16%	94%	98%	95%	
Total EMR 2015		12989	743	97	2319	9815		12	69	362			188	8		415		4	31	10	2	16%	91%	99%	93%	

* Specimens from all sources including non-AFP cases, excluding environmental samples

** This indicator reflects surveillance and laboratory activities



Table 6: Environmental isolate by year and type

Country	Status	2010	2011	2012	2013	2014	2015	2016
AFG	NEGATIVE				9	78	129	148
	PENDING							21
	WILD					17	20	
AFG Total					9	95	149	169
EGY	NEGATIVE	183	178	196	304	410	412	427
	PENDING							42
	WILD			2				
	VDPV1			1		1		
	VDPV2			7	3	2	3	1
EGY Total		183	178	206	307	413	415	470
JOR	NEGATIVE							1
	PENDING							1
JOR Total								2
LEB	NEGATIVE							1
	PENDING							1
LEB Total								2
PAK	NEGATIVE	77	68	151	257	237	347	417
	PENDING							15
	WILD	79	136	88	63	125	79	53
	WILD & VDPV2				2	6	5	1
	VDPV2					4	8	3
PAK Total		156	204	239	322	372	439	489
EMR	NEGATIVE	260	246	347	570	725	888	993
	PENDING							79
	WILD	79	136	90	63	142	99	53
	WILD & VDPV2				2	6	5	1
	VDPV1			1		1		
VDPV2			7	3	6	11	4	
EMR Total		339	382	445	638	880	1003	1132

Table 7: Environmental Wild/VDPV isolate by site

Year	Country	Status	Province	District	Count	First date	Last date	
2015	AFG	WILD1	HILMAND	LASHKARGAH	7	1/25/2015	11/25/2015	
				NAHR-E-SARAJ	3	1/24/2015	9/19/2015	
			KABUL	KABUL	1	12/27/2015	12/27/2015	
			KANDAHAR	KANDAHAR	3	1/4/2015	8/26/2015	
			KUNAR	ASADABAD	1	10/25/2015	10/25/2015	
			NANGARHAR	BEHSUD	1	10/25/2015	10/25/2015	
	AFG Total					20	1/4/2015	12/27/2015
	EGY	VDPV2	CAIRO	EL SAFF	1	6/16/2015	6/16/2015	
			GIZA	AL WASLA	1	2/4/2015	2/4/2015	
			HURGADA	RED SEA	1	5/26/2015	5/26/2015	
	EGY Total					3	2/4/2015	6/16/2015
	PAK	WILD1	BALOCHISTAN	KABDULLAH	3	1/15/2015	6/1/2015	
				QUETTA	12	1/12/2015	10/28/2015	
			ISLAMABAD	CDA	2	1/12/2015	8/17/2015	
			KHYBER PAKHTUNKHW	DIKHAN	3	3/4/2015	8/4/2015	
				PESHAWAR	11	1/3/2015	12/11/2015	
			PUNJAB	LAHORE	4	1/12/2015	10/12/2015	
				MULTAN	4	4/8/2015	8/31/2015	
				RAWALPINDI	5	3/10/2015	12/14/2015	
			SINDH	HYDERABAD	2	2/3/2015	12/3/2015	
JACOBABAD				5	1/8/2015	11/4/2015		
KHIGADAP				16	1/6/2015	12/22/2015		
KHIGIQBAL				6	1/13/2015	12/14/2015		
SUKKUR				6	1/6/2015	9/11/2015		
WILD1 & VDPV2			BALOCHISTAN	QUETTA	3	3/28/2015	12/12/2015	
	KHYBER PAKHTUNKHW	PESHAWAR	1	2/26/2015	2/26/2015			
VDPV2	SINDH	KHIGADAP	1	1/22/2015	1/22/2015			
	PUNJAB	LAHORE	1	4/13/2015	4/13/2015			
	SINDH	KHIGADAP	5	1/14/2015	3/18/2015			
		SINDH	KHIGIQBAL	2	6/8/2015	7/7/2015		
PAK Total					92	1/3/2015	12/22/2015	
2015 Total					115	1/3/2015	12/27/2015	
2016	EGY	VDPV2	SOUTH SINAI	AL-TUR	1	3/15/2016	3/15/2016	
								EGY Total
	PAK	WILD1	BALOCHISTAN	KABDULLAH	5	1/15/2016	11/15/2016	
				PISHIN	4	8/2/2016	9/16/2016	
			KHYBER PAKHTUNKHW	QUETTA	11	2/12/2016	11/20/2016	
				DIKHAN	1	7/16/2016	7/16/2016	
			PUNJAB	PESHAWAR	8	1/11/2016	11/10/2016	
				DERA GHAZI KHA	1	5/12/2016	5/12/2016	
				FAISALABAD	2	2/3/2016	7/2/2016	
			SINDH	LAHORE	3	8/5/2016	10/18/2016	
				MULTAN	1	11/8/2016	11/8/2016	
				RAWALPINDI	3	4/14/2016	11/8/2016	
				HYDERABAD	1	1/5/2016	1/5/2016	
				JACOBABAD	3	2/4/2016	8/16/2016	
WILD1+VDPV2	KHIGADAP	5	1/27/2016	7/14/2016				
	KHIGIQBAL	2	1/18/2016	3/15/2016				
	SUKKUR	3	1/12/2016	3/19/2016				
VDPV2	BALOCHISTAN	QUETTA	1	10/20/2016	10/20/2016			
	BALOCHISTAN	QUETTA	2	6/20/2016	9/16/2016			
		SINDH	HYDERABAD	1	7/11/2016	7/11/2016		
PAK Total					57	1/5/2016	11/20/2016	
2016 Total					58	1/5/2016	11/20/2016	



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 11/12/2016

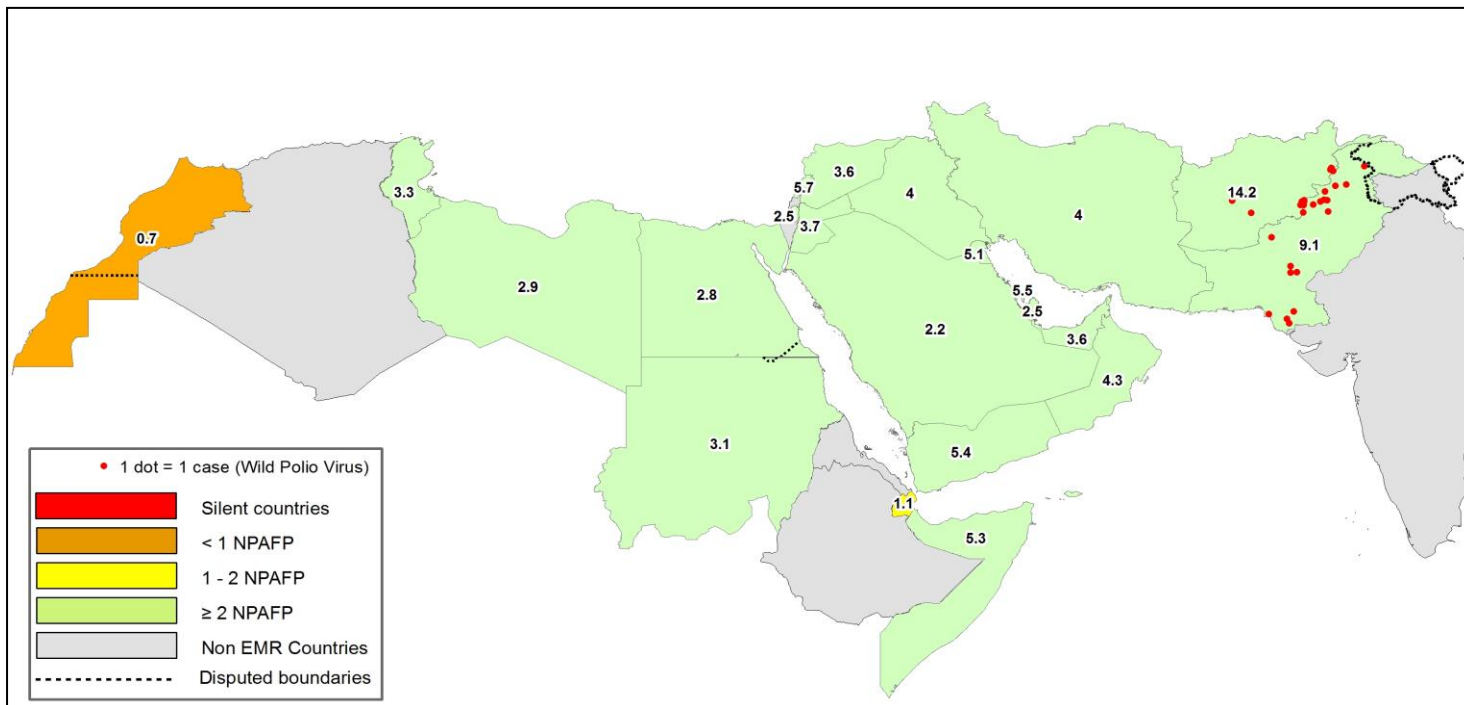


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 11/12/2016

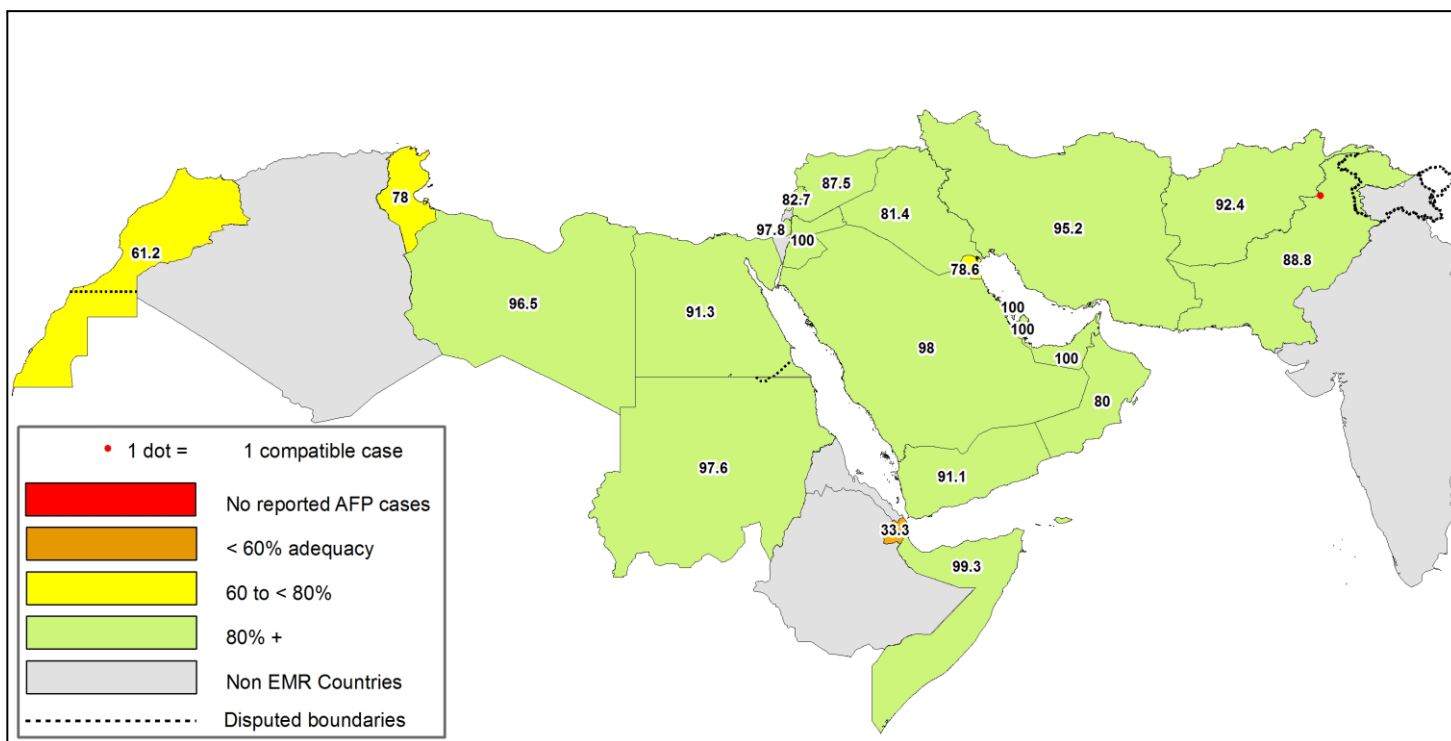


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

Year	COUNTRY	P1		
		Count	First Case	Last Case
2015	AFG	20	21-01-15	20-12-15
	PAK	54	03-01-15	31-12-15
2015 Total		74	03-01-15	31-12-15
2016	AFG	12	23-01-16	12-10-16
	PAK	18	17-01-16	03-11-16
2016 Total		30	17-01-16	03-11-16

Last reported wild Polio P3 from Pakistan with date of onset 18/04/2012



Figure 3: Non Polio AFP rate by District in Afghanistan & Pakistan 01/01/2016 - 11/12/2016

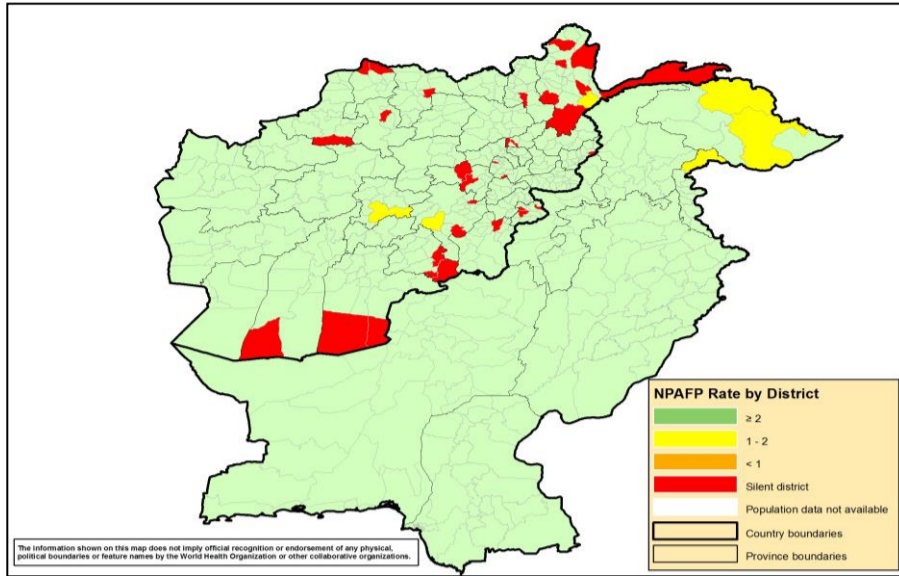


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 11/12/2016

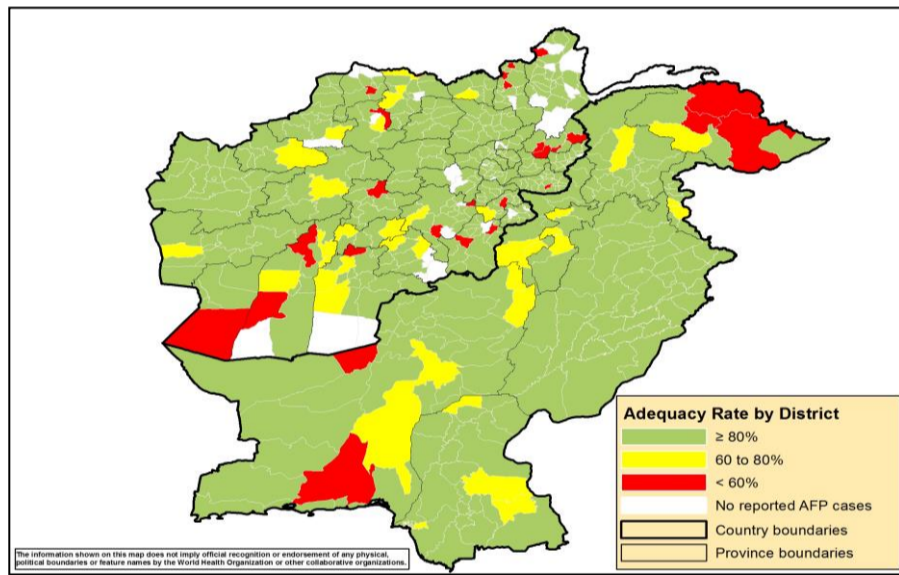
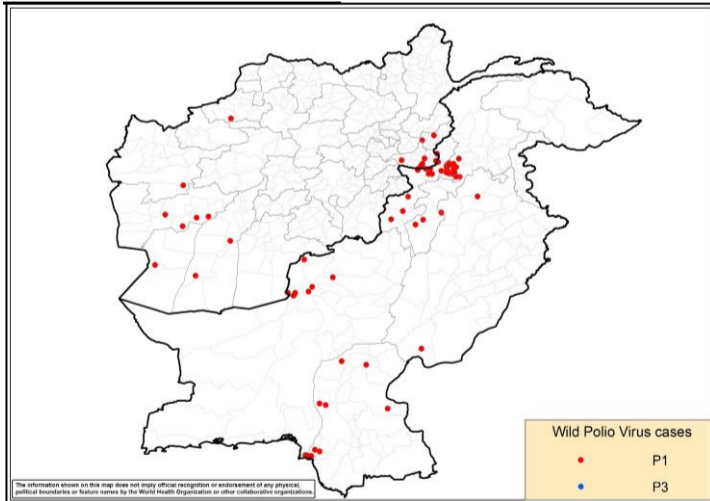


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

5a: 01/01/2015 - 31/12/2015



5b: 01/01/2016 - 11/12/2016

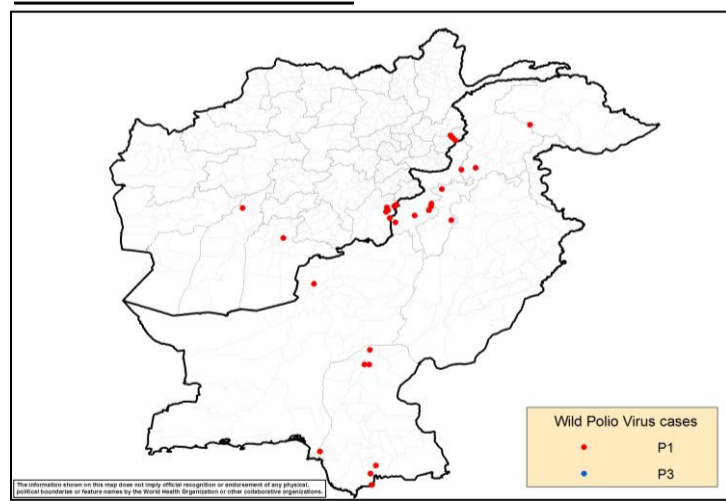




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2015	KANDAHAR	SHAHWALIKOT	1	20-12-15	20-12-15
		KUNAR	1	19-11-15	19-11-15
	NANGARHAR	DARA-E-PECH	1	03-11-15	03-11-15
		LALPUR	1	27-10-15	27-10-15
		MUHMAMD DARA	1	14-10-15	14-10-15
		SHERZAD	1	06-09-15	06-09-15
		BATIKOT	1	04-09-15	04-09-15
	FARYAB	ACHIN	4	14-07-15	01-09-15
		QAYSAR	1	22-10-15	22-10-15
	HILMAND	NAHR-E-SARAJ	1	20-10-15	20-10-15
		REG	1	21-01-15	21-01-15
	NIMROZ	ZARANJ	1	07-08-15	07-08-15
	HIRAT	SHINDAND	1	27-06-15	27-06-15
	FARAH	BALABULUK	1	07-06-15	07-06-15
GULESTAN		2	23-04-15	05-05-15	
BAKWA		1	21-04-15	21-04-15	
2015 Total			20	21-01-15	20-12-15
2016	PAKTIKA	BERMEL	6	02-08-16	12-10-16
	KUNAR	SHIGAL WA SHEL TAN	4	01-02-16	29-05-16
	KANDAHAR	SHAHWALIKOT	1	04-04-16	04-04-16
	HILMAND	NAWZAD	1	23-01-16	23-01-16
2016 Total			12	23-01-16	12-10-16

Table 10: Wild Polio cases by district and date of onset of paralysis, Pakistan 2015-2016

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2015	KHYBER PAKHTOON	PESHAWAR	12	17-01-15	31-12-15
		CHARSADA	1	20-04-15	20-04-15
		TANK	2	03-01-15	25-01-15
		LAKKIMRWT	1	07-01-15	07-01-15
		NOWSHERA	1	05-01-15	05-01-15
	PUNJAB	RYKHAN	1	02-12-15	02-12-15
		CHAKWAL	1	11-09-15	11-09-15
	SINDH	KHIBALDIA	2	11-11-15	21-11-15
		KHIGIQBAL	1	18-11-15	18-11-15
		KHAIRPUR	1	02-11-15	02-11-15
		KHIGADAP	2	10-10-15	02-11-15
		KHIKAMARI	1	01-11-15	01-11-15
		KHIGULBERG	1	14-09-15	14-09-15
		DADU	2	10-02-15	19-02-15
		SUKKUR	1	13-02-15	13-02-15
		KAMBAR	1	04-01-15	04-01-15
	BALOCHISTAN	QUETTA	5	20-02-15	20-11-15
		LORALAI	1	09-02-15	09-02-15
		KABDULAH	1	03-02-15	03-02-15
	FATA	KHYBER	11	05-01-15	14-11-15
FR PESHAWAR		2	14-09-15	22-10-15	
WAZIR-S		2	07-01-15	24-05-15	
WAZIR-N		1	06-05-15	06-05-15	
2015 Total			54	03-01-15	31-12-15
2016	SINDH	SUJAWAL	2	03-09-16	03-11-16
		BADIN	1	16-10-16	16-10-16
		SHIKARPUR	2	05-03-16	12-04-16
		JACOBABAD	1	10-02-16	10-02-16
		KHIGADAP	1	17-01-16	17-01-16
	KHYBER PAKHTOON	KOHISTAN	1	03-09-16	03-09-16
		DIKHAN	1	06-06-16	06-06-16
		BANNU	3	22-03-16	26-04-16
		PESHAWAR	1	12-02-16	12-02-16
		HANGU	1	09-02-16	09-02-16
	FATA	NOWSHERA	1	22-01-16	22-01-16
WAZIR-S		2	18-06-16	27-07-16	
BALOCHISTAN	QUETTA	1	01-02-16	01-02-16	
2016 Total			18	17-01-16	03-11-16



Table 11: Circulating VDPV cases and date of onset of paralysis in EMR countries by districts 2015 - 2016

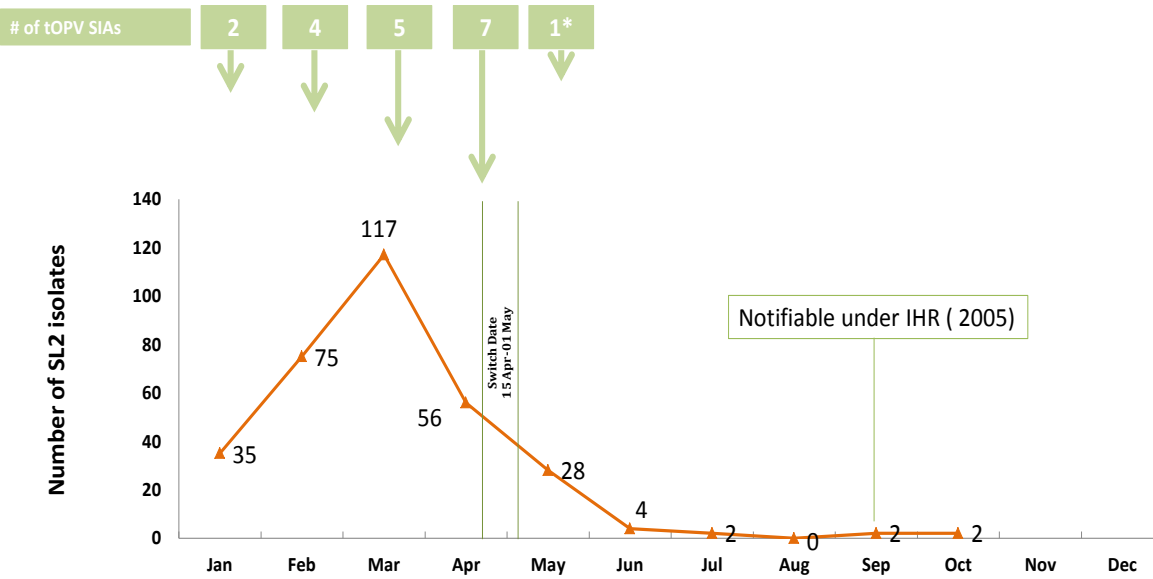
Year	COUNTRY	PROVINCE	DISTRICT	cVDPV2		
				Count	First Case	Last Case
2015	PAK	FATA	KHYBER	1	09/02/2015	09/02/2015
		KHYBER PAKHTOON	HANGU	1	05/02/2015	05/02/2015
			PAK Total	2	05/02/2015	09/02/2015
2015 Total				2	05/02/2015	09/02/2015

Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

Country	Source	VDPV2 and SL2 by month, EMR Countries 2016																							
		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2
AFG	AFP		1		2		11		3		1							1	1						
	Contact		1				6		2		1														
	ENV		3		2		11																		
BAH	AFP																								
	Contact																								
	ENV																								
DJI	AFP																								
	Contact																								
	ENV																								
EGY	AFP		1		4		1				1														
	Contact				3																				
	ENV		9		19		1	20		5		8													
IRA	AFP										1														
	Contact																								
	ENV																								
IRQ	AFP		2	1	1		5		1																
	Contact		3		1		7		9																
	ENV																								
JOR	AFP																								
	Contact																								
	ENV																								
KWT	AFP																								
	Contact																								
	ENV																								
LEB	AFP																								
	Contact																								
	ENV																								
LIB	AFP																								
	Contact																								
	ENV																								
MOR	AFP																								
	Contact																								
	ENV																								
OMA	AFP																								
	Contact				1																				
	ENV																								
PAK	AFP		7		7		16				3							1							
	Contact				1		7		5		1														
	ENV		7		32		27		27		9	1	3	1	1			1	1	1	2				
PAL	AFP																								
	Contact																								
	ENV																								
QAT	AFP																								
	Contact																								
	ENV																								
SAA	AFP																								
	Contact																								
	ENV																								
SUD	AFP																								
	Contact																								
	ENV																								
SOM	AFP				1		6		1				1		1						1**				
	Contact																								
	ENV																								
SYR	AFP									1															
	Contact																								
	ENV																								
TUN	AFP																								
	Contact																								
	ENV																								
UAE	AFP																								
	Contact																								
	ENV																								
YEM	AFP		1					1		1			1*												
	Contact				1			2		1			1*												
	ENV																								
EMR	AFP		12	1	15		39		6		8			1		1			2	1	1				
	Contact		4		7		20		18		3				1										
	ENV		19		53	1	58		32		17	1	3	1	1			1	1	1	2				
VDPV2		Two VDPV2 have been isolated from immune-compromised children from EGY not included in this table																							
SL2		One SL2 has been isolated from an immune-compromised child from EGY in May 2016 but not included in this table																							
		* VDPV2 isolated from index and contact at the same time																							
		** under investigation																							
		Isolation of PV2 in IRQ & SOM under investigation not reflected in this table																							



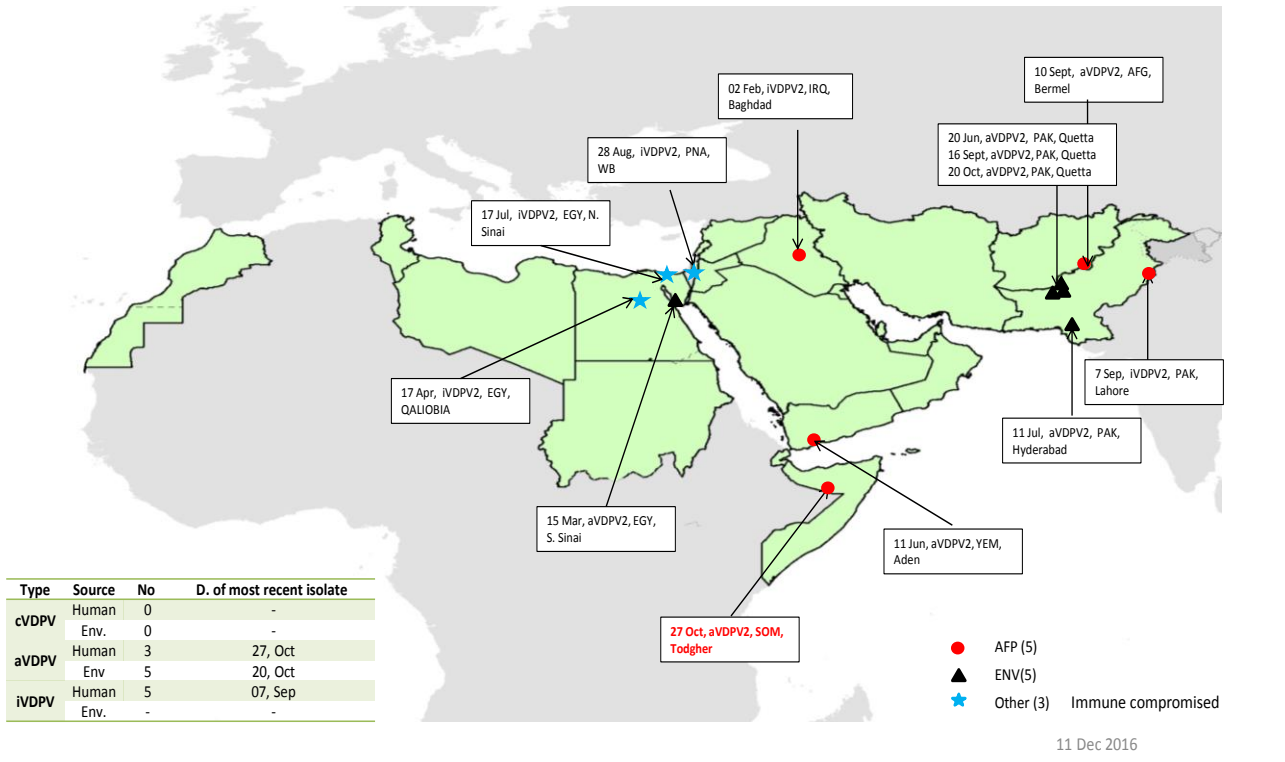
SL2 isolates in EMR countries from Human and ENV 2016



* Focused tOPV campaign in El Tur district (S. Sinai/Egy) as a response to VDPV2 isolation
 2 PV2 isolated from Iraq and Somalia are under investigation

11 Dec 2016

VDPV2 isolates, EMR countries, 2016



11 Dec 2016