



AFP SURVEILLANCE

7-Nov-16

Week 44, ending 6 November 2016

Number 944

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

Country	Reported AFP cases by week of onset - Week (44/16) / Ending on : 06/11/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	W33 21 Aug 16	W34 28 Aug 16	W35 04 Sep 16	W36 11 Sep 16	W37 18 Sep 16	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 Oct 16
Afghanistan	2421	2738	2396	53	53	59	27	47	47	64	47	48	51	24	0
Bahrain	16	19	12	0	0	0	0	0	0	0	0	0	0	0	0
Djibouti	3	3	3	0	0	0									
Egypt	1000	1046	874	19	18	11	7	21	31	19	14	31	21	18	7
Iran	753	780	633	15	15	13	12	20	13	9	10	20	8	2	0
Iraq	590	520	489	10	7	12	5	2	14	11	8	13	6	11	
Jordan ****	62	90	86	1	3	2	2	0	0	2	2	4	1	2	
Kuwait	32	32	32	1	0	0	0	0	1	0	1	1	1	0	0
Lebanon ****	50	113	94	2	2	2	1	1	2	2	1	4	7	1	
Libya	43	54	47	0	1	1	0	1	2	1	4	0	0		
Morocco	103	79	67	0	6	1	3	3	4	1	1	2	1		
Oman	34	39	34	1	0	2	1	2	2	0	0	0	1	0	0
Pakistan	5370	5814	5783	190	201	151	123	152	173	143	114	130	70	16	0
Palestine ****	21	38	44	2	0	0	1	2	1	0	1	0	0	2	0
Qatar	7	11	7	0	0	0	0	0	1	1	0	0	0	0	0
Saudi Arabia	227	254	188	2	5	1	2	2	4	1	0	2	5	2	0
Somalia	420	281	262	6	5	2	4	5	7	6	6	6	9	5	0
Sudan	442	436	445	14	9	12	7	9	8	12	13	10	8	3	0
Syria ****	306	235	239	11	6	4	10	5	3	8	3	3	2	0	
Tunisia	44	64	65	1	0	1	1	0	2	1	2	0	1	0	
U.A.E	25	31	28	0	1	0	0	0	0	1	0	0	1	0	0
Yemen	578	537	616	21	15	12	9	7	20	11	14	8	14	8	
Total EMR	12547	13214	12444	349	347	286	215	279	335	293	241	282	207	94	7

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	06/11		Confirmed polio cases by month of onset											
			2015	2016	December 2015	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016	October 2016	November 2016
Afghanistan	28	20	18	12	1	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	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	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				
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	306	54	45	16	3	2	4	2	3		2	1		2		
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	0	
Saudi Arabia	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					
Total EMR	342	74	63	28	4	3	6	3	4	1	2	1	2	4	2	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 (44/16) / Ending on : 06/11/2016)

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	2396	12	0	177	2207	1	14.2	15	0	92.3	12	0	06/11/2016
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	12	0	0	0	12	0	5.2	0	0	100.0	0	0	06/11/2016
Djibouti	3	0	0	0	3	0	1.0	0	0	66.7	0	0	3	0	0	2	1	0	1.2	2	0	33.3	0	0	10/09/2016
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	874	0	0	120	754	0	2.7	2	0	88.2	0	0	03/11/2016
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	633	0	0	18	614	0	4.0	0	0	95.3	0	0	06/11/2016
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	489	0	0	51	437	1	3.9	17	1	82.6	0	0	05/11/2016
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	86	0	0	23	63	0	3.6	4	0	97.7	0	0	03/11/2016
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	32	0	0	2	30	0	4.3	1	0	90.6	0	0	06/11/2016
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	94	0	0	22	72	0	5.7	9	0	80.9	0	0	05/11/2016
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	47	0	0	7	40	0	2.7	0	0	91.5	0	0	23/10/2016
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	67	0	0	27	40	0	0.7	14	0	61.2	0	0	28/10/2016
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	34	0	0	1	33	0	4.6	0	0	82.4	0	0	24/10/2016
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	5783	16	1	364	5401	1	8.7	68	7	88.8	16	0	06/11/2016
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	44	0	0	7	37	0	2.7	0	0	97.7	0	0	06/11/2016
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	7	0	0	3	4	0	2.8	0	0	100.0	0	0	06/11/2016
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	188	0	0	30	158	0	2.3	1	1	98.4	0	0	06/11/2016
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	262	0	0	24	238	0	5.3	0	0	99.6	0	0	06/11/2016
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	445	0	0	21	424	0	3.1	0	0	97.3	0	0	06/11/2016
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	239	0	0	16	223	0	3.6	0	0	87.0	0	0	03/11/2016
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	65	0	0	6	59	0	2.9	0	0	81.5	0	0	04/11/2016
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	28	0	0	2	26	0	3.3	0	0	100.0	0	0	06/11/2016
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	616	0	0	202	413	1	5.6	53	44	91.4	0	0	05/11/2016
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	12444	28	1	1125	11286	4	5.9	186	53	90.1	28	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, 01/01/2015 - 06/11/2016

Year	Country	Data	
		Count of wild contacts	Date of Most Recent stool collection
2015	Afghanistan	9	13-01-16
	Pakistan	2	27-07-15
2015 Total		11	13-01-16
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	DISTRICY	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	SHAHWALIKOT	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 SHEL TAN	1	26-02-16	26-02-16
		HILMAND	NAWZAD	1	23-01-16	23-01-16
		PAKTIKA	BERMEL	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	



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (44/16) / Ending on : (06/11/2016)

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	VPV	Wild	Sabin	VPV	Wild	Sabin	VPV										
Afghanistan	RRL Pakistan	2357	183	27	502	1555	91		9	110			19	1		129			3				20%	95%	97%	97%	05/11/2016
Bahrain	PNL Oman	12	1			11															1		0%	100%		82%	31/10/2016
Djibouti	NPL Kenya	1			1																		100%			100%	10/09/2016
Egypt***	RRL Egypt	827	26	1	119	578	11	92		7			7			14		1	3	2	1	13%	100%	100%	99%	06/11/2016	
Iran	NPL Iran	627	8		14	584	8	13		5			1			3		1				2%	100%	100%	99%	29/10/2016	
Iraq	RRL Egypt	480	13		44	399	20	5		4			9	1		7						12%	100%	100%	87%	03/11/2016	
Jordan	RRL Tunisia	88	4		9	73	2			5						2						10%	100%	100%	100%	05/11/2016	
Kuwait	RRL Kuwait	41	1		1	37		2												1		1%	74%		89%	24/10/2016	
Lebanon	NPL Jordan	91	2		8	76	2	4														7%	100%		100%	05/11/2016	
Libya	RRL Tunisia	47	2		2	37		6		2												5%	100%	100%	98%	28/10/2016	
Morocco	RRL Tunisia	63	1		3	54	4	1												1		9%	95%		93%	04/11/2016	
Oman	NPL Oman	37			10	26	1															19%	100%		100%	31/10/2016	
Pakistan	RRL Pakistan	5920	324	33	1346	3955	259	1	15	175			33	1		216		7				21%	97%	98%	97%	05/11/2016	
Palestine & UNRWA		44			4	38	2															10%	29%		97%	06/11/2016	
Qatar	NPL Oman	7			1	6																14%	100%		100%	31/10/2016	
Saudi Arabia	NPL Oman	188			6	174	5	3								1						3%	99%	100%	88%	30/10/2015	
Somalia	NPL Kenya	262	2	12	36	188	13	11		9			10			11						20%	11%		99%	06/11/2016	
Sudan	RRL Egypt	443	2		67	355	18	1								1						16%	86%	100%	50%	06/11/2016	
Syria	RRL Egypt	261	6		14	236	4	1		2			1			4						4%	100%	100%	100%	03/11/2016	
Tunisia	RRL Tunisia	66			3	58	2	3														6%	100%		98%	28/10/2016	
U.A.E	NPL Oman	25			2	23																6%	100%		100%	31/10/2016	
Yemen	RRL Egypt	1013	23	4	133	516	18	319		8			4	1		12		1	1	1		19%	35%	100%	53%	06/11/2016	
Total EMR 2016		12900	598	77	2325	8979	460	462	24	327			84	4		400		2	14	3	5	17%	91%	98%	94%		
Total EMR 2015		12989	743	97	2319	9814		13	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	127
	PENDING							14
	WILD					17	20	
AFG Total					9	95	149	141
EGY	NEGATIVE	183	178	196	304	410	412	382
	PENDING							29
	WILD			2				
	VDPV1			1		1		
	VDPV2			7	3	2	3	1
EGY Total		183	178	206	307	413	415	412
LEB	NEGATIVE							1
	PENDING							
LEB Total								1
PAK	NEGATIVE	77	68	151	257	237	347	369
	PENDING							25
	WILD	79	136	88	63	125	79	42
	WILD & VDPV2				2	6	5	
	VDPV2					4	8	3
PAK Total		156	204	239	322	372	439	427
EMR	NEGATIVE	260	246	347	570	725	888	879
	PENDING							68
	WILD	79	136	90	63	142	99	42
	WILD & VDPV2				2	6	5	
	VDPV1			1		1		
VDPV2			7	3	6	11	4	
EMR Total		339	382	445	638	880	1003	981

Table 7: Environmental Wild/VDPV isolate by site

Year	Country	Status	Province	District	Count	First date	Last date		
2015	AFG	WILD1	HILMAND	LASHKARGAH	7	25-01-15	25-11-15		
				NAHR-E-SARAJ	3	24-01-15	19-09-15		
			KABUL	KABUL	1	27-12-15	27-12-15		
				KANDAHAR	3	04-01-15	26-08-15		
			KUNAR	ASADABAD	1	25-10-15	25-10-15		
				BEHSUD	1	25-10-15	25-10-15		
	NANGARHAR	JALALABAD	4	22-02-15	27-12-15				
	AFG Total					20	04-01-15	27-12-15	
	EGY	VDPV2	CAIRO	EL SAFF	1	16-06-15	16-06-15		
				GIZA	1	04-02-15	04-02-15		
				HURGADA	1	26-05-15	26-05-15		
	EGY Total					3	04-02-15	16-06-15	
	PAK	WILD1	BALOCHISTAN	KABDULLAH	QUETTA	12	12-01-15	28-10-15	
					CDA	2	12-01-15	17-08-15	
				KHYBER PAKHTUNKHWA	DIKHAN	3	04-03-15	04-08-15	
PESHAWAR					11	03-01-15	11-12-15		
PUNJAB				LAHORE	4	12-01-15	12-10-15		
				MULTAN	4	08-04-15	31-08-15		
			RAWALPINDI	5	10-03-15	14-12-15			
			HYDERABAD	2	03-02-15	03-12-15			
SINDH			JACOBABAD	5	08-01-15	04-11-15			
			KHIGADAP	16	06-01-15	22-12-15			
			KHIGIQBAL	6	13-01-15	14-12-15			
			SUKKUR	6	06-01-15	11-09-15			
		BALOCHISTAN	QUETTA	3	28-03-15	12-12-15			
		KHYBER PAKHTUNKHWA	PESHAWAR	1	26-02-15	26-02-15			
WILD1 & VDPV		SINDH	KHIGADAP	1	22-01-15	22-01-15			
		PUNJAB	LAHORE	1	13-04-15	13-04-15			
		VDPV2	KHIGADAP	5	14-01-15	18-03-15			
SINDH		KHIGIQBAL	2	08-06-15	07-07-15				
PAK Total					92	03-01-15	22-12-15		
2015 Total					115	03-01-15	27-12-15		
2015	EGY	VDPV2	SOUTH SINAI	AL-TUR	1	15-03-16	15-03-16		
	EGY Total					1	15-03-16	15-03-16	
2016	PAK	WILD1	BALOCHISTAN	KABDULLAH	3	15-01-16	15-10-16		
					PISHIN	4	02-08-16	16-09-16	
				QUETTA	8	12-02-16	14-10-16		
					DIKHAN	1	16-07-16	16-07-16	
				KHYBER PAKHTUNKHWA	PESHAWAR	6	11-01-16	15-09-16	
					DERA GHAZI KHA	1	12-05-16	12-05-16	
			PUNJAB	FAISALABAD	2	03-02-16	02-07-16		
				LAHORE	1	05-08-16	05-08-16		
				RAWALPINDI	2	14-04-16	16-08-16		
				HYDERABAD	1	05-01-16	05-01-16		
				JACOBABAD	3	04-02-16	16-08-16		
				KHIGADAP	5	27-01-16	14-07-16		
	SINDH	KHIGIQBAL	2	18-01-16	15-03-16				
		SUKKUR	3	12-01-16	19-03-16				
		BALOCHISTAN	QUETTA	2	20-06-16	16-09-16			
		SINDH	HYDERABAD	1	11-07-16	11-07-16			
		PAK Total					45	05-01-16	15-10-16
		2016 Total					46	05-01-16	16-09-16



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 06/11/2016

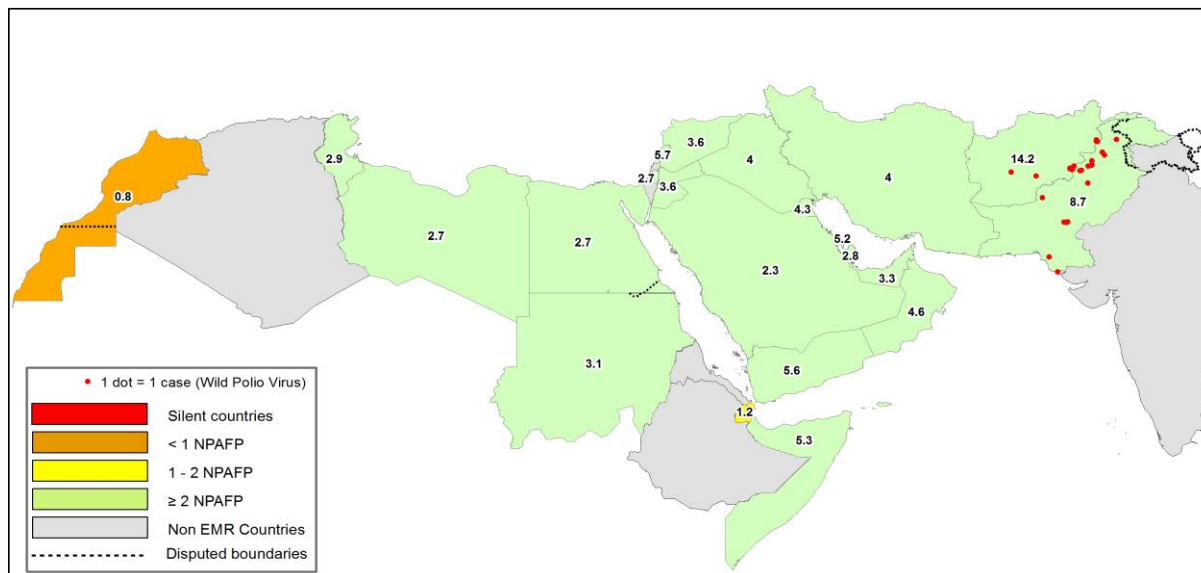


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 06/11/2016

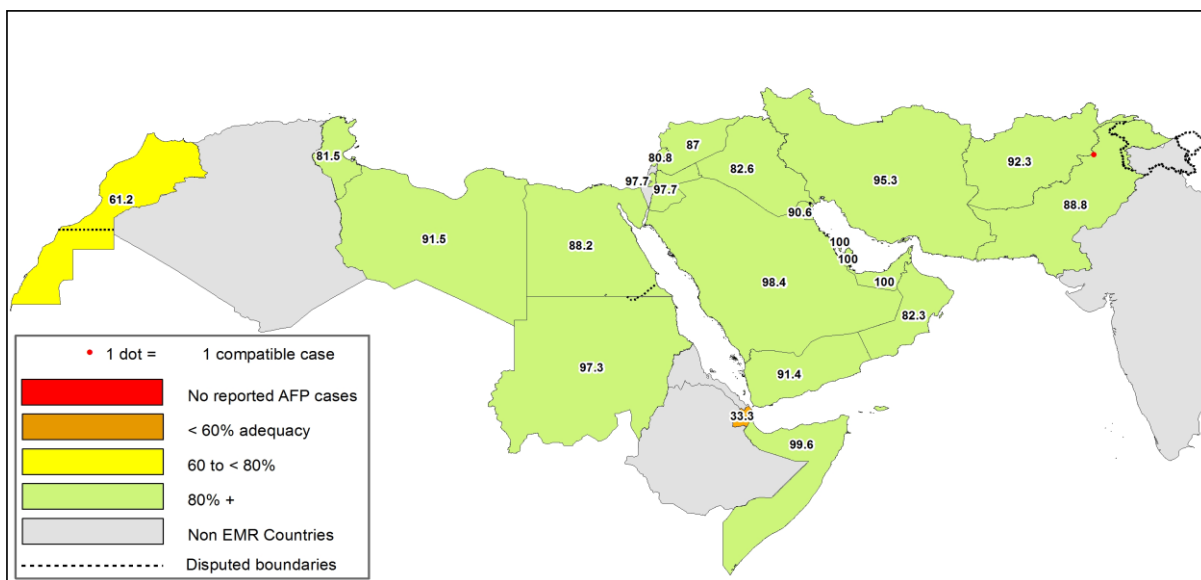


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

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	16	17-01-16	03-09-16
2016 Total		28	17-01-16	12-10-16

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 - 06/11/2016

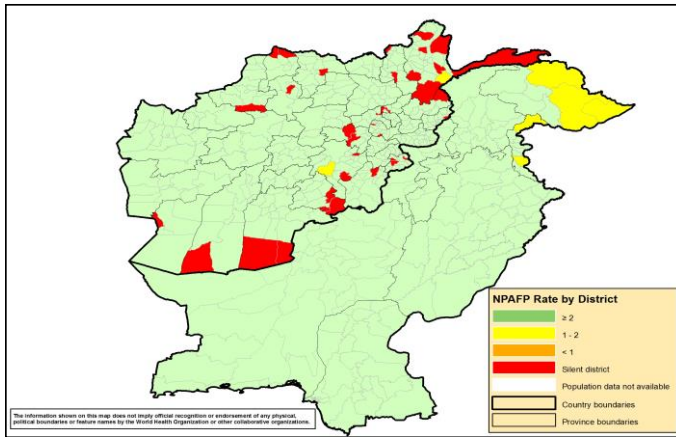


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 06/11/2016

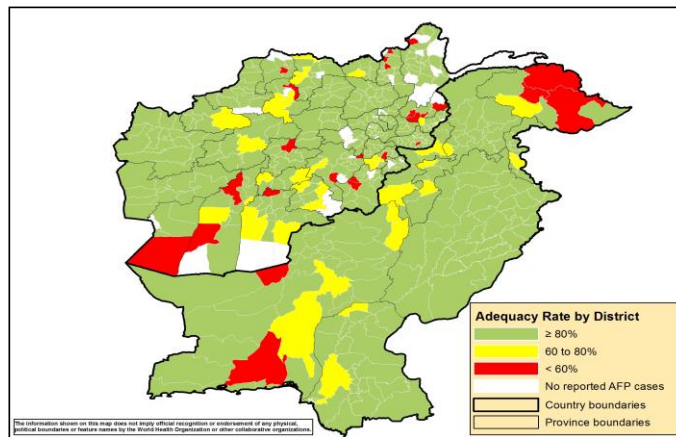
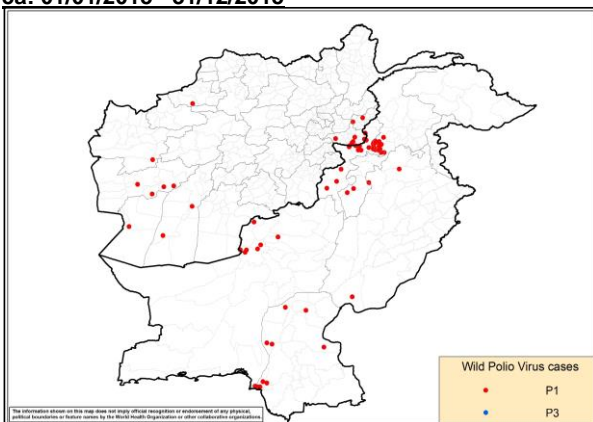


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 06/11/2016

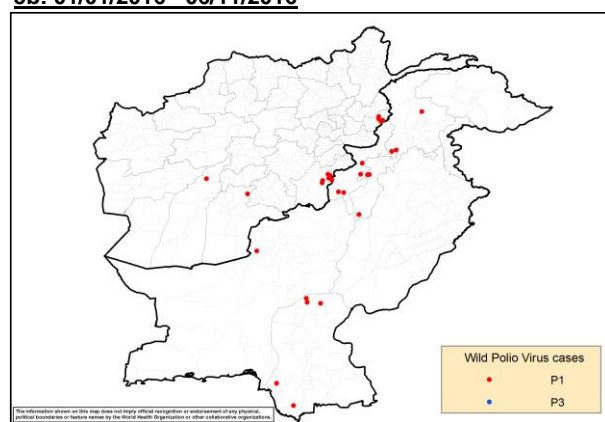




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

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	CHAPADARA	1	03-11-15	03-11-15
		DARA-E-PECH	1	03-11-15	03-11-15
		LALPUR	1	27-10-15	27-10-15
		MUHMAND DARA	1	14-10-15	14-10-15
		SHERZAD	1	06-09-15	06-09-15
	FARYAB	BATIKOT	1	04-09-15	04-09-15
		ACHIN	4	14-07-15	01-09-15
	FARYAB	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
	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	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
	SINDH	NOWSHERA	1	22-01-16	22-01-16
		SUJAWAL	1	03-09-16	03-09-16
		SHIKARPUR	2	05-03-16	12-04-16
		JACOBABAD	1	10-02-16	10-02-16
	FATA	KHIGADAP	1	17-01-16	17-01-16
WAZIR-S		2	18-06-16	27-07-16	
BALOCHISTAN	QUETTA	1	01-02-16	01-02-16	
2016 Total			16	17-01-16	03-09-16



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	1	05/02/2015	05/02/2015
			HANGU	2	05/02/2015	09/02/2015
2015 Total				2	05/02/2015	09/02/2015

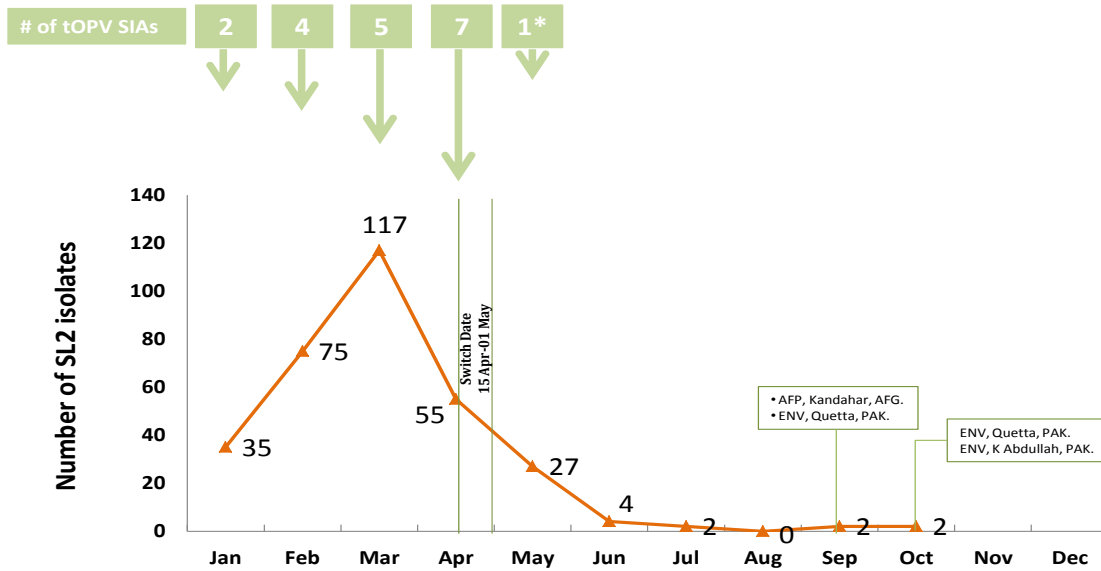
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

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					11		3		1							1	1						
AFG	Contact		1				6		2		1														
AFG	ENV	3		2		11																			
BAH	AFP																								
BAH	Contact																								
BAH	ENV																								
DJI	AFP																								
DJI	Contact																								
DJI	ENV																								
EGY	AFP		1		4		1				1														
EGY	Contact				3																				
EGY	ENV		9		19	1	20		5		8														
IRA	AFP										1														
IRA	Contact																								
IRA	ENV																								
IRQ	AFP		2	1	1		5		1																
IRQ	Contact		3		1		7		9																
IRQ	ENV																								
JOR	AFP																								
JOR	Contact																								
JOR	ENV																								
KWT	AFP																								
KWT	Contact																								
KWT	ENV																								
LEB	AFP																								
LEB	Contact																								
LEB	ENV																								
LIB	AFP																								
LIB	Contact																								
LIB	ENV																								
MOR	AFP																								
MOR	Contact																								
MOR	ENV																								
OMA	AFP																								
OMA	Contact				1																				
OMA	ENV																								
PAK	AFP	7		7		16				3															
PAK	Contact			1		7		5		1															
PAK	ENV	7		32		27		26		9	1	3	1	1			1	1	1	2					
PAL	AFP																								
PAL	Contact																								
PAL	ENV																								
QAT	AFP																								
QAT	Contact																								
QAT	ENV																								
SAA	AFP																								
SAA	Contact																								
SAA	ENV																								
SUD	AFP																								
SUD	Contact																								
SUD	ENV																								
SOM	AFP			1		6		1			1		1												
SOM	Contact																								
SOM	ENV																								
SYR	AFP									1															
SYR	Contact																								
SYR	ENV																								
TUN	AFP																								
TUN	Contact																								
TUN	ENV																								
UAE	AFP																								
UAE	Contact																								
UAE	ENV																								
YEM	AFP	1						1		1			1*												
YEM	Contact			1				2				1*													
YEM	ENV																								
EMR	AFP	12	1	15		39		6		8		1	1	1			2	1							
EMR	Contact	4		7		20		18		2			1												
EMR	ENV	19		53	1	58		31		17	1	3	1	1				1	1	2					

Two VDPV2 have been isolated from immune-compromised children from EGY not included in this table
One SL2 has been isolated from an immune-compromised child from EGY in May 2016 but not included in this table
* VPDP2 isolated from index and contact at the same time



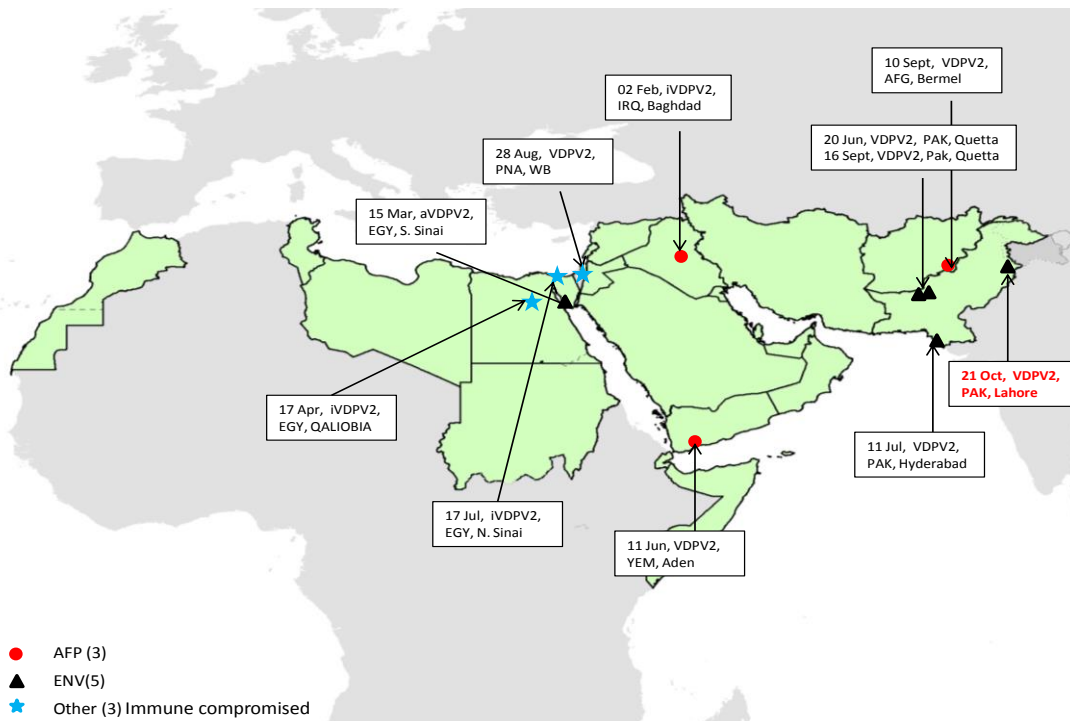
SL2 isolates in EMR countries from Human and ENV 2016



* Focused tOPV campaign in Al-Tur district (S. Sinai/Egy) as a response to VDPV2 isolation

Data up to W44, 7 Nov 2016

VDPV2 isolates, EMR countries, 2016



Data up to W44, 6 Nov 2016