



AFP SURVEILLANCE

21-Nov-16

Week 46, ending 20 November 2016

Number 946

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

Country	Reported AFP cases by week of onset - Week (46/16) / Ending on : 20/11/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	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 Nov 16	W45 13 Nov 16	W46 20 Nov 16
Afghanistan	2421	2738	2538	59	27	49	46	65	48	48	54	49	55	50	6
Bahrain	16	19	13	0	0	0	0	0	0	0	0	0	0	0	1
Djibouti	3	3	3	0											
Egypt	1000	1046	912	11	7	21	31	19	14	31	21	21	41	1	
Iran	753	780	655	13	12	20	13	9	10	20	13	9	9	1	
Iraq	590	520	512	12	5	2	14	12	8	14	8	16	12	2	
Jordan ****	62	90	88	2	2	0	0	2	2	4	2	2	1		
Kuwait	32	32	32	0	0	0	1	0	1	1	1	0	0	0	0
Lebanon ****	50	113	98	2	1	1	2	2	1	4	7	1	1	0	3
Libya	43	54	53	1	0	1	2	1	5	1	0	1	2	0	
Morocco	103	79	67	1	3	3	4	1	1	2	1				
Oman	34	39	34	2	1	2	2	0	0	0	1	0	0	0	0
Pakistan	5370	5814	6164	160	124	155	185	152	125	153	160	143	76	14	0
Palestine ****	21	38	44	0	1	2	1	0	1	0	0	3	0	0	0
Qatar	7	11	7	0	0	0	1	1	0	0	0	0	0	0	0
Saudi Arabia	227	254	194	1	2	2	4	1	0	2	9	3	1	0	
Somalia	420	281	273	2	5	5	7	6	6	6	11	7	2	3	0
Sudan	442	436	468	12	7	9	8	12	13	10	8	7	10	9	0
Syria ****	306	235	253	4	10	5	3	7	3	5	2	3	8	2	
Tunisia	44	64	75	1	1	0	3	3	2	1	2	2	2	1	
U.A.E	25	31	32	0	0	0	0	1	0	0	1	0	3	1	0
Yemen	578	537	630	12	9	7	21	11	14	9	15	11	4	3	2
Total EMR	12547	13214	13145	295	217	284	348	305	254	311	316	278	227	87	12

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	20/11		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	19	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	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	0	
Pakistan	306	54	50	17	3	2	4	2	3		2	1		2		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	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	0	
Yemen	0	0	0	0	0	0	0	0	0	0	0					
Total EMR	342	74	69	29	4	3	6	3	4	1	2	1	2	4	2	1

**** 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 (46/16) / Ending on : 20/11/2016

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	2538	12	0	201	2324	1	14.4	19	0	92.5	12	0	20/11/2016		
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	13	0	0	1	12	0	5.4	0	0	100.0	0	0	20/11/2016		
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	912	0	0	92	820	0	2.7	3	0	92.5	0	0	15/11/2016		
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	655	0	0	16	638	0	4.0	0	0	95.3	0	0	19/11/2016		
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	512	0	0	59	452	1	3.9	18	1	82.2	0	0	17/11/2016		
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	88	0	0	25	63	0	3.5	5	0	100.0	0	0	10/11/2016		
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	32	0	0	2	30	0	4.1	2	0	90.6	0	0	20/11/2016		
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	98	0	0	25	73	0	5.7	9	0	81.6	0	0	19/11/2016		
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	53	0	0	4	49	0	2.9	1	0	96.2	0	0	19/11/2016		
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	67	0	0	27	40	0	0.7	16	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	4.4	0	0	82.4	0	0	21/11/2016		
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	6164	17	1	371	5774	1	8.9	87	7	88.9	17	0	20/11/2016		
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	44	0	0	8	36	0	2.6	0	0	97.7	0	0	20/11/2016		
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	7	0	0	3	4	0	2.6	1	0	100.0	0	0	20/11/2016		
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	194	0	0	31	163	0	2.3	3	2	97.9	0	0	17/11/2016		
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	273	0	0	12	261	0	5.3	0	0	99.3	0	0	20/11/2016		
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	468	0	0	25	443	0	3.1	0	0	97.2	0	0	20/11/2016		
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	253	0	0	23	230	0	3.7	0	0	87.4	0	0	19/11/2016		
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	75	0	0	7	68	0	3.2	0	0	77.3	0	0	18/11/2016		
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	32	0	0	4	28	0	3.6	0	0	100.0	0	0	20/11/2016		
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	630	0	0	93	536	1	5.5	6	1	91.3	0	0	19/11/2016		
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	13145	29	1	1032	12078	4	6.0	172	11	90.5	29	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 - 20/11/2016

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	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 (46/16) / Ending on : (20/11/2016)

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	2466	190	28	520	1630	98		9	116			19	1	134			3			19%	95%	97%	97%	19/11/2016	
Bahrain	PNL Oman	12	1			11													1		0%	100%		82%	14/11/2016	
Djibouti	NPL Kenya	1			1																100%			100%	10/09/2016	
Egypt***	RRL Egypt	915	27	1	144	672	44	26		9			7		15			3	2		13%	99%	100%	99%	17/11/2016	
Iran	NPL Iran	649	9		14	616		10		5			1		5						2%	100%	100%	99%	12/11/2016	
Iraq	RRL Egypt	504	15		45	418	21	6		4			9	1	7						12%	100%	100%	87%	17/11/2016	
Jordan	RRL Tunisia	92	4		9	78	1			5					2						10%	100%	100%	100%	20/11/2016	
Kuwait	RRL Kuwait	42	1		1	40													1		1%	76%		90%	10/11/2016	
Lebanon	NPL Jordan	98	3		8	84	1	3													7%	100%		100%	20/11/2016	
Libya	RRL Tunisia	49	2		2	43		2		2											4%	100%	100%	98%	11/11/2016	
Morocco	RRL Tunisia	51	1		2	40		8											1		11%	98%		90%	18/11/2016	
Oman	NPL Oman	36			9	26		1													18%	100%		100%	14/11/2016	
Pakistan	RRL Pakistan	6221	347	35	1403	4205	227	2	16	191			33	1	234			8		1	20%	97%	98%	97%	19/11/2016	
Palestine & UNRWA		44			5	38	1														12%	31%		98%	20/11/2016	
Qatar	NPL Oman	7			1	6															14%	100%		100%	14/11/2016	
Saudi Arabia	NPL Oman	188			6	174		8							1						3%	99%	100%	88%	30/10/2015	
Somalia	NPL Kenya	273	7	12	38	205	5	6		8			10		12				2		19%	11%		98%	20/11/2016	
Sudan	RRL Egypt	464	2		67	374	19	2		1					2						15%	87%	100%	67%	20/11/2016	
Syria	RRL Egypt	263	6		14	236	2	5		2			1		4						4%	100%	100%	100%	03/11/2016	
Tunisia	RRL Tunisia	74			3	63	6	2													5%	100%		98%	11/11/2016	
U.A.E	NPL Oman	27			2	25															6%	100%		96%	14/11/2016	
Yemen	RRL Egypt	570	16	4	120	373		57		6			3	1	10			2	1		20%	63%	100%	51%	17/11/2016	
Total EMR 2016		13046	631	80	2414	9357	425	138	25	349			83	4	426			2	16	3	6	17%	94%	98%	95%	
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	140
	PENDING							8
	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
JOR	NEGATIVE							1
	PENDING							1
JOR Total								2
LEB	NEGATIVE							1
	PENDING							1
LEB Total								2
PAK	NEGATIVE	77	68	151	257	237	347	384
	PENDING							37
	WILD	79	136	88	63	125	79	45
	WILD & VDPV2				2	6	5	1
	VDPV2					4	8	3
PAK Total		156	204	239	322	372	439	457
EMR	NEGATIVE	260	246	347	570	725	888	907
	PENDING							75
	WILD	79	136	90	63	142	99	45
	WILD & VDPV2				2	6	5	
	VDPV1			1		1		
VDPV2			7	3	6	11	4	
EMR Total		339	382	445	638	880	1003	1014

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	AL WASLA	1	04-02-15	04-02-15	
HURGADA			RED SEA	1	26-05-15	26-05-15		
EGY Total					3	04-02-15	16-06-15	
2015	PAK	WILD1	BALOCHISTAN	KABDULLAH	3	15-01-15	01-06-15	
				QUETTA	12	12-01-15	28-10-15	
			ISLAMABAD	CDA	2	12-01-15	17-08-15	
				KHYBER PAKHTUNKHWA	DIKHAN	3	04-03-15	04-08-15
			PUNJAB	PESHAWAR	11	03-01-15	11-12-15	
				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	
				JACOBABAD	5	08-01-15	04-11-15	
	SINDH	KHIGADAP	16	06-01-15	22-12-15			
		KHIGIQBAL	6	13-01-15	14-12-15			
		SUKKUR	6	06-01-15	11-09-15			
		QUETTA	3	28-03-15	12-12-15			
WILD1 & VDPV2	BALOCHISTAN	PESHAWAR	1	26-02-15	26-02-15			
	KHYBER PAKHTUNKHWA	KHIGADAP	1	22-01-15	22-01-15			
	SINDH	LAHORE	1	13-04-15	13-04-15			
	PUNJAB	KHIGADAP	5	14-01-15	18-03-15			
VDPV2	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	
2016	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
				KHYBER PAKHTUNKHWA	QUETTA	8	12-02-16	14-10-16
					DIKHAN	1	16-07-16	16-07-16
				PUNJAB	PESHAWAR	7	11-01-16	10-10-16
					DERA GHAZI KHA	1	12-05-16	12-05-16
					FAISALABAD	2	03-02-16	02-07-16
					LAHORE	3	05-08-16	18-10-16
					RAWALPINDI	2	14-04-16	16-08-16
					HYDERABAD	1	05-01-16	05-01-16
				SINDH	JACOBABAD	3	04-02-16	16-08-16
KHIGADAP					5	27-01-16	14-07-16	
KHIGIQBAL	2	18-01-16	15-03-16					
SUKKUR	3	12-01-16	19-03-16					
WILD1+VDPV2	BALOCHISTAN	QUETTA	1	20-10-16	20-10-16			
	BALOCHISTAN	QUETTA	2	20-06-16	16-09-16			
VDPV2	SINDH	HYDERABAD	1	11-07-16	11-07-16			
PAK Total					49	05-01-16	20-10-16	
2016 Total					50	05-01-16	20-10-16	



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 20/11/2016

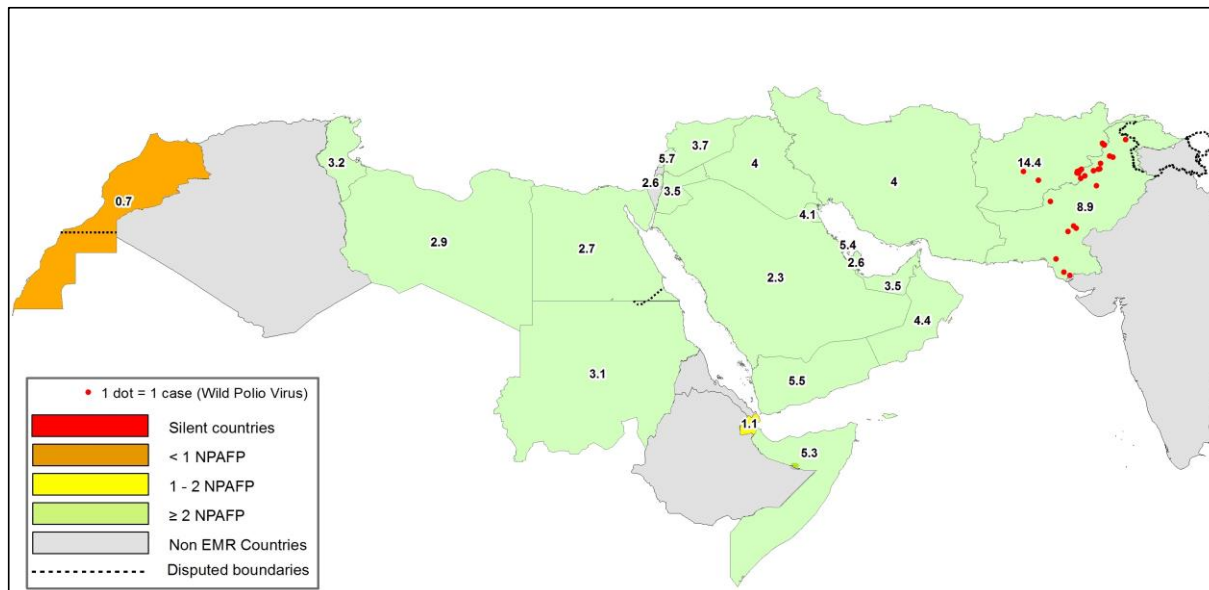


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 20/11/2016

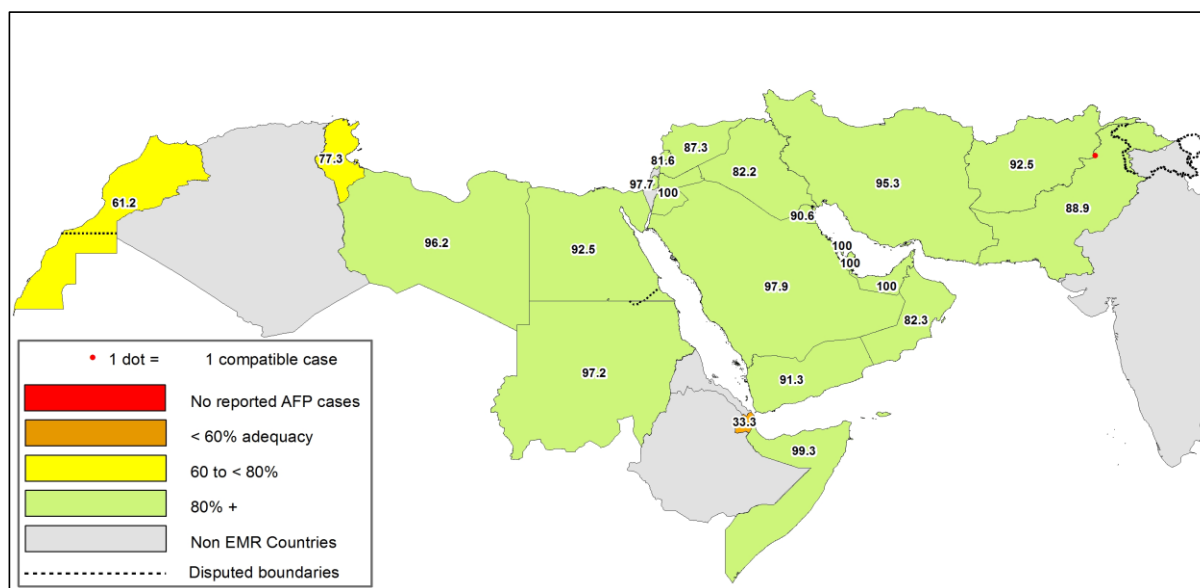


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

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	17	17-01-16	03-11-16
2016 Total		29	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 - 20/11/2016

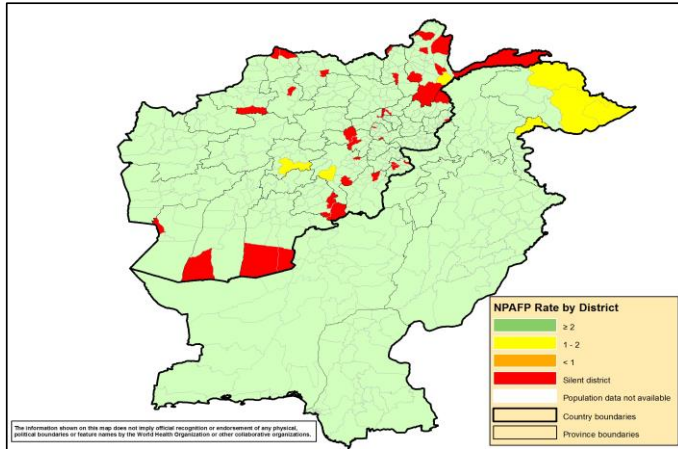


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 20/11/2016

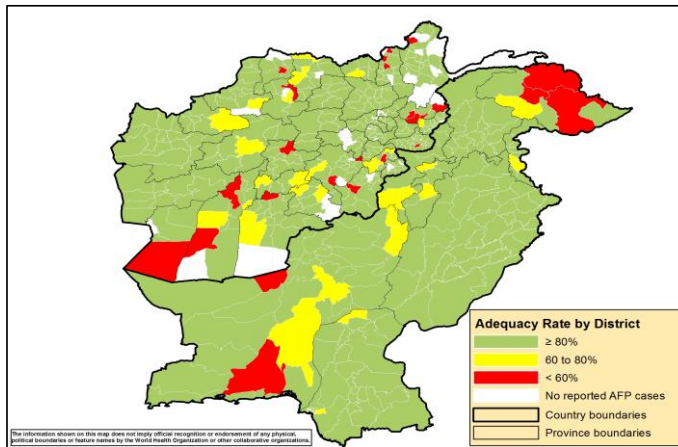
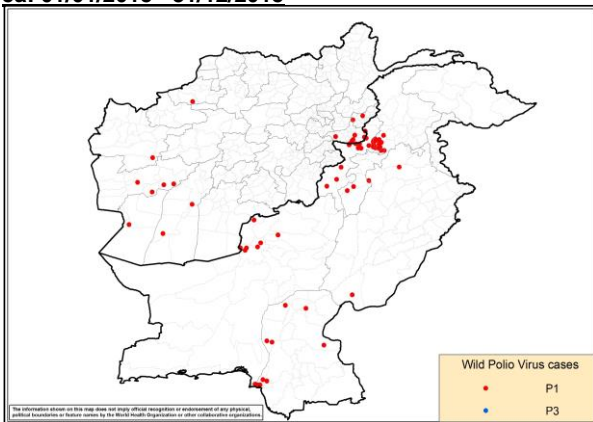


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 20/11/2016

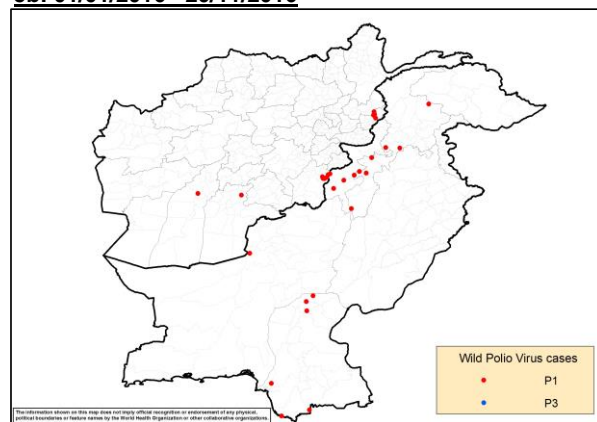




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case	
2015	KANDAHAR	SHAHWALIKOT	1	20-12-15	20-12-15	
		KUNAR	CHAPADARA	1	19-11-15	19-11-15
			DARA-E-PECH	1	03-11-15	03-11-15
	NANGARHAR	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	
		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
	SINDH	CHAKWAL	1	11-09-15	11-09-15
		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
	FATA	LORALAI	1	09-02-15	09-02-15
		KABDULAH	1	03-02-15	03-02-15
		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
		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	KOHIKISTAN	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
		NOWSHERA	1	22-01-16	22-01-16
	FATA	WAZIR-S	2	18-06-16	27-07-16
BALOCHISTAN	QUETTA	1	01-02-16	01-02-16	
2016 Total			17	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
2015 Total				2	05/02/2015	09/02/2015

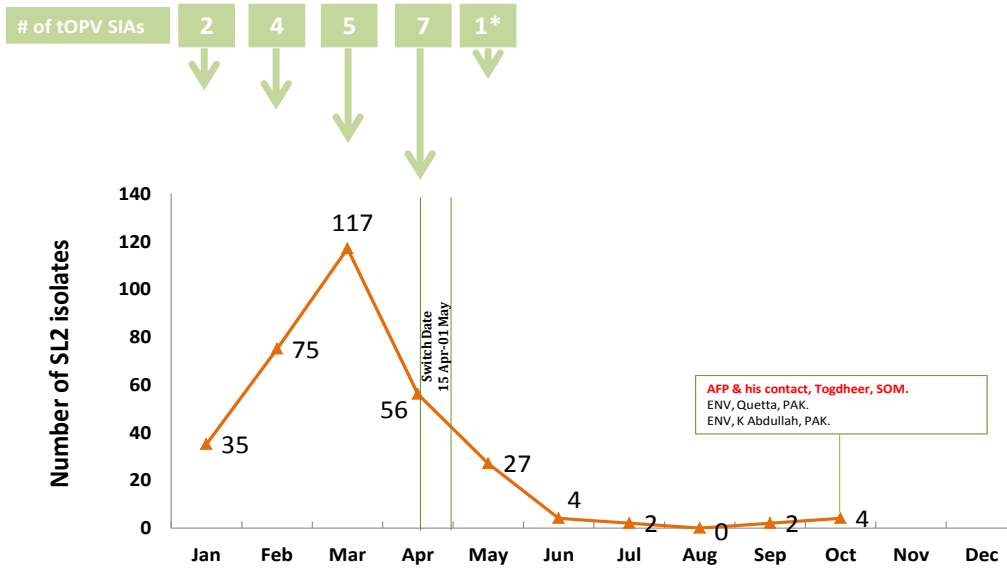
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

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																	
	ENV	3		2		11																			
BAH	AFP																								
	Contact																								
	ENV																								
DJI	AFP																								
	Contact																								
	ENV																								
EGY	AFP		1		4		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																						1**		
	ENV																								
SYR	AFP									1															
	Contact																								
	ENV																								
TUN	AFP																								
	Contact																								
	ENV																								
UAE	AFP																								
	Contact																								
	ENV																								
YEM	AFP	1					1		1				1*												
	Contact			1			2						1*												
	ENV																								
EMR	AFP	12	1	15		39		6		8		1		1				2	1				1		
	Contact	4		7		20		18		2				1									1		
	ENV	19		53	1	58		32		17	1	3	1	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
 * VDPV2 isolated from index and contact at the same time
 ** SL2 isolated from index and contact at the same time



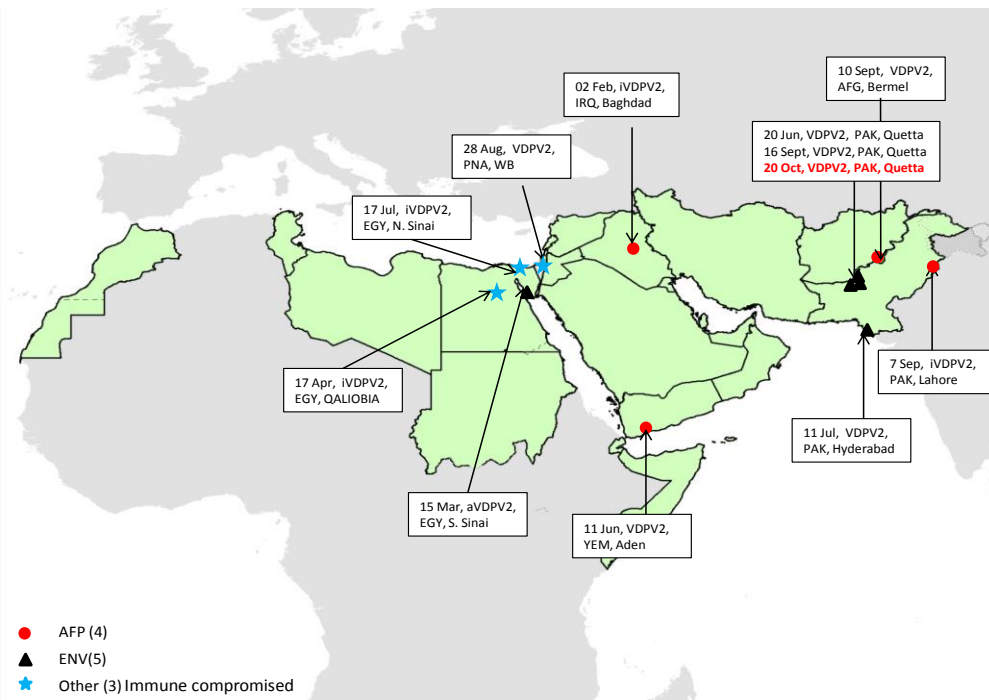
SL2 isolates in EMR countries from Human and ENV 2016



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

Data up to W46

VDPV2 isolates, EMR countries, 2016



Data up to Week 46