



AFP SURVEILLANCE

26-Dec-16

Week 51, ending 25 December 2016

Number 951

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

Country	Reported AFP cases by week of onset - Week (51/16) / Ending on : 25/12/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	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	W50 18 Dec 16	W51 25 Dec 16
Afghanistan	2421	2738	2799	48	48	56	50	58	68	55	50	57	54	25	
Bahrain	16	19	14	0	0	0	0	0	0	1	1	0	0	0	0
Djibouti	3	3	3												
Egypt	1000	1046	1058	14	31	21	21	41	17	33	19	26	18	24	10
Iran	753	780	749	12	19	15	14	15	20	14	17	16	12	2	0
Iraq	590	520	564	7	14	8	17	13	11	10	13	15	2		
Jordan ****	62	90	105	2	4	2	2	2	3	3	3	1	3	2	1
Kuwait	32	32	42	1	1	1	0	1	0	3	0	4	2	0	0
Lebanon ****	50	113	105	1	4	7	1	2	1	5	1	0	1		
Libya	43	54	64	5	1	0	1	2	1	3	2	2	2	1	
Morocco	103	79	79	1	4	2	1	1	1	1	1	3	1		
Oman	34	39	35	0	0	1	0	0	1	0	0	0	0	0	0
Pakistan	5370	5814	7105	134	164	177	174	142	154	186	185	131	97	29	0
Palestine ****	21	38	45	1	0	0	4	0	0	0	0	0	0	0	0
Qatar	7	11	7	0	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	227	254	215	0	2	9	10	7	7	1	0	0	0	0	0
Somalia	420	281	304	6	6	11	7	2	4	4	13	7	3	2	1
Sudan	442	436	501	13	10	8	7	10	10	9	7	9	4	3	
Syria ****	306	235	279	3	5	3	3	8	4	5	2	3	10	3	
Tunisia	44	64	84	2	1	2	3	2	1	3	1	1	1	0	
U.A.E	25	31	39	0	0	1	0	3	1	1	2	2	2	0	0
Yemen	578	537	673	14	9	16	11	4	9	10	11	15	1	1	
Total EMR	12547	13214	14869	264	323	340	326	313	313	347	328	292	213	92	12

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	25/12		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	20	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			
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			
Jordan ****	0	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			
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			
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pakistan	306	54	53	19	2	4	2	3		2	1	2	2	1		
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					
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	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			
Total EMR	342	74	73	31	3	6	3	4	1	2	1	2	4	4	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 (51/16) / Ending on : 25/12/2016)

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	2799	12	0	167	2619	1	14.3	13	5	92.4	12	0	22/12/2016
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	14	0	0	2	12	0	5.2	0	0	100.0	0	0	26/12/2016
Djibouti	3	0	0	0	3	0	1.0	0	0	66.7	0	0	3	0	0	2	1	0	1.0	2	0	33.3	0	0	10/09/2016
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	1058	0	0	171	887	0	2.8	2	0	91.0	0	0	22/12/2016
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	749	0	0	19	730	0	4.1	0	0	95.3	0	0	25/12/2016
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	564	0	0	66	497	1	3.9	19	1	81.2	0	0	17/12/2016
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	105	0	0	27	78	0	3.8	1	0	99.0	0	0	22/12/2016
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	42	0	0	11	31	0	4.9	2	0	78.6	0	0	25/12/2016
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	105	0	0	14	91	0	5.5	9	0	81.9	0	0	16/12/2016
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	64	0	0	11	53	0	3.1	1	0	96.9	0	0	24/12/2016
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	79	0	0	27	52	0	0.8	18	1	62.0	0	0	16/12/2016
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	35	0	0	0	35	0	4.1	0	0	80.0	0	0	22/12/2016
Pakistan	5814	54	11	0	5745	4	7.4	0	0	87.2	54	0	7105	19	1	496	6588	1	9.2	85	8	88.7	19	0	25/12/2016
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	45	0	0	4	41	0	2.4	0	0	97.8	0	0	22/12/2016
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	7	0	0	3	4	0	2.4	2	0	100.0	0	0	11/12/2016
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	215	0	0	51	164	0	2.3	14	14	98.1	0	0	25/12/2016
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	304	0	0	14	289	1	5.3	0	0	99.3	0	0	25/12/2016
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	501	0	0	8	493	0	3.0	0	0	97.6	0	0	24/12/2016
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	279	0	0	20	259	0	3.7	0	0	88.2	0	0	22/12/2016
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	84	0	0	2	82	0	3.2	0	0	78.6	0	0	21/12/2016
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	39	0	0	6	33	0	3.9	0	0	100.0	0	0	25/12/2016
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	673	0	0	128	544	1	5.3	16	10	91.2	0	0	24/12/2016
EMR	13214	74	15	1	13116	8	5.4	1	0	90.2	74	0	14869	31	1	1249	13583	5	6.1	184	39	90.2	31	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 - 25/12/2016

Year	Country	Data	Date of Most Recent stool collection
2016	Pakistan	5	25-11-16
	Afghanistan	4	07-10-16
2016 Total		9	25-11-16

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	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	
			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	
SINDH			BADIN	1	10-10-16	10-10-16	
PAK Total				2	03-09-16	10-10-16	



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (51/16) / Ending on : (25/12/2016)

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	VPV	Wild	Sabin	VPV	Wild	Sabin	VPV									
Afghanistan	RRL Pakistan	2751	206	32	555	1859	99		9	129			19	1	149			3			19%	96%	97%	97%	24/12/2016	
Bahrain	PNL Oman	12	1			11													1		0%	100%		82%	13/12/2016	
Djibouti	NPL Kenya	1			1																100%			100%	10/09/2016	
Egypt***	RRL Egypt	1010	31	1	153	702	15	107		11			7		17			5	2		13%	99%	100%	99%	25/12/2016	
Iran	NPL Iran	741	10		14	697	6	14		5			1		5						2%	100%	100%	99%	18/12/2016	
Iraq	RRL Egypt	567	18		53	467	23	6		8			10	1	10						12%	100%	100%	85%	22/12/2016	
Jordan	RRL Tunisia	105	4		10	87	4			6					3						10%	100%	100%	100%	22/12/2016	
Kuwait	RRL Kuwait	42	1		1	40													1		1%	76%		90%	10/11/2016	
Lebanon	NPL Jordan	107	3		8	94		3													6%	100%		100%	22/12/2016	
Libya	RRL Tunisia	60	2		3	51	4			2											5%	100%	100%	98%	23/12/2016	
Morocco	RRL Tunisia	72	2		4	64	1	1											1		10%	96%	67%	93%	17/12/2016	
Oman	NPL Oman	38			9	27		2													18%	100%		100%	13/12/2016	
Pakistan	RRL Pakistan	7150	409	39	1489	4917	291	2	17	234			33	1	280			8			19%	98%	98%	97%	24/12/2016	
Palestine & UNRWA		45			5	40															11%	30%		98%	22/12/2016	
Qatar	NPL Oman	7			1	6															14%	100%		100%	13/12/2016	
Saudi Arabia	NPL Oman	249			6	194	12	37							1						2%	99%	100%	83%	25/12/2015	
Somalia	NPL Kenya	304	13	13	47	217	4	10		13			9	1	18				1		21%	11%		98%	25/12/2016	
Sudan	RRL Egypt	479	2		69	394		14		1					2						14%	87%	100%	67%	04/12/2016	
Syria	RRL Egypt	285	7		14	258		6		3			1		4						4%	100%	100%	78%	15/12/2016	
Tunisia	RRL Tunisia	85	1		4	77	3								1				1		5%	99%	100%	96%	23/12/2016	
U.A.E	NPL Oman	32			3	29															8%	100%		97%	13/12/2016	
Yemen	RRL Egypt	616	16	4	133	409		54		6			3	1	10			2	1		19%	66%	100%	51%	25/12/2016	
Total EMR 2016		14758	726	89	2582	10640	462	256	26	418			83	5	500			3	18	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	162
	PENDING							8
	WILD					17	20	
AFG Total					9	95	149	170
EGY	NEGATIVE	183	178	196	304	410	412	465
	PENDING							51
	WILD			2				
	VDPV1			1		1		
	VDPV2			7	3	2	3	1
EGY Total		183	178	206	307	413	415	517
JOR	NEGATIVE							2
	PENDING							
JOR Total								2
LEB	NEGATIVE							3
	PENDING							
LEB Total								3
PAK	NEGATIVE	77	68	151	257	237	347	427
	PENDING							33
	WILD	79	136	88	63	125	79	55
	WILD & VDPV2				2	6	5	2
	VDPV2					4	8	3
PAK Total		156	204	239	322	372	439	520
EMR	NEGATIVE	260	246	347	570	725	888	1057
	PENDING							92
	WILD	79	136	90	63	142	99	55
	WILD & VDPV2				2	6	5	2
	VDPV1			1			1	
	VDPV2			7	3	6	11	4
EMR Total		339	382	445	638	880	1003	1212

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	1	27-12-15	27-12-15	
				KANDAHAR	3	04-01-15	26-08-15	
				KUNAR	1	25-10-15	25-10-15	
				NANGARHAR	1	25-10-15	25-10-15	
	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
				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	16	06-01-15	22-12-15		
			KHIGADAP	6	13-01-15	14-12-15		
			SUKKUR	6	06-01-15	11-09-15		
WILD1 & VDPV2			BALOCHISTAN	QUETTA	3	28-03-15	12-12-15	
	KHYBER PAKHTUNKHWA	PESHAWAR	1	26-02-15	26-02-15			
	SINDH	KHIGADAP	1	22-01-15	22-01-15			
	PUNJAB	LAHORE	1	13-04-15	13-04-15			
VDPV2	PUNJAB	LAHORE	5	14-01-15	18-03-15			
	SINDH	KHIGADAP	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
2016	PAK	WILD1	BALOCHISTAN	KABDULLAH	6	15-01-16	02-12-16	
				PISHIN	4	02-08-16	16-09-16	
				QUETTA	11	12-02-16	20-11-16	
			KHYBER PAKHTUNKHWA	DIKHAN	1	16-07-16	16-07-16	
				PESHAWAR	9	11-01-16	24-11-16	
				DERA GHAZI KHAN	1	12-05-16	12-05-16	
				FAISALABAD	2	03-02-16	02-07-16	
				LAHORE	3	05-08-16	18-10-16	
				MULTAN	1	08-11-16	08-11-16	
				RAWALPINDI	3	14-04-16	08-11-16	
		SINDH	HYDERABAD	1	05-01-16	05-01-16		
			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		
					3	12-01-16	19-03-16	
WILD1+VDPV2	BALOCHISTAN	QUETTA	2	20-10-16	28-11-16			
	BALOCHISTAN	QUETTA	2	20-06-16	16-09-16			
VDPV2	BALOCHISTAN	QUETTA	1	11-07-16	11-07-16			
	SINDH	HYDERABAD	1	11-07-16	11-07-16			
PAK Total				60	05-01-16	02-12-16		
2016 Total				61	05-01-16	02-12-16		



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 25/12/2016

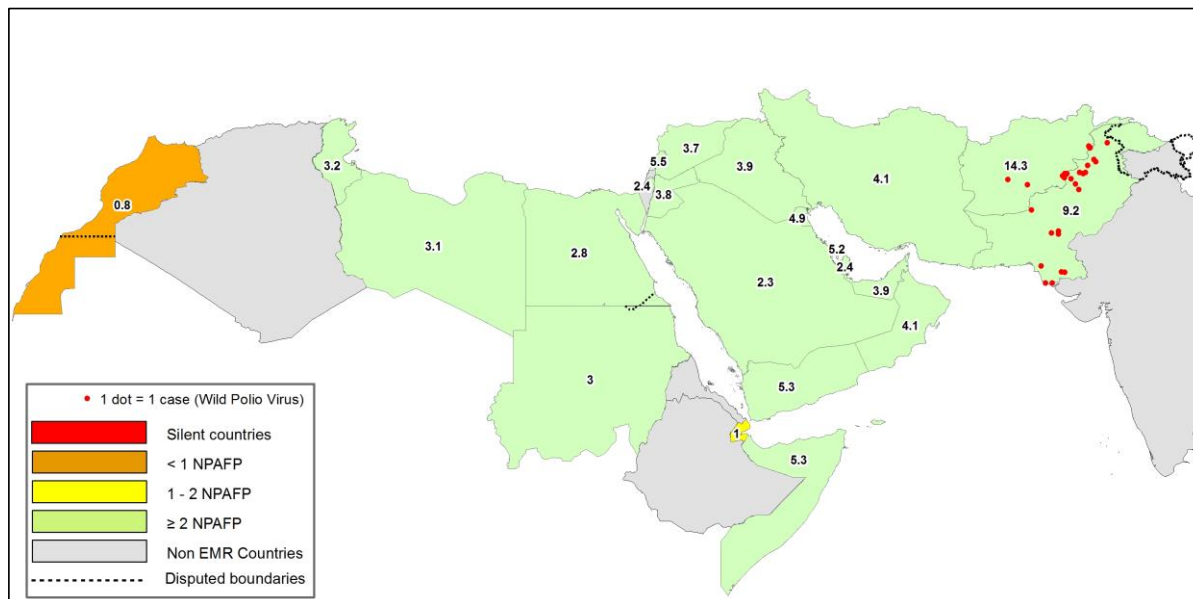


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 25/12/2016

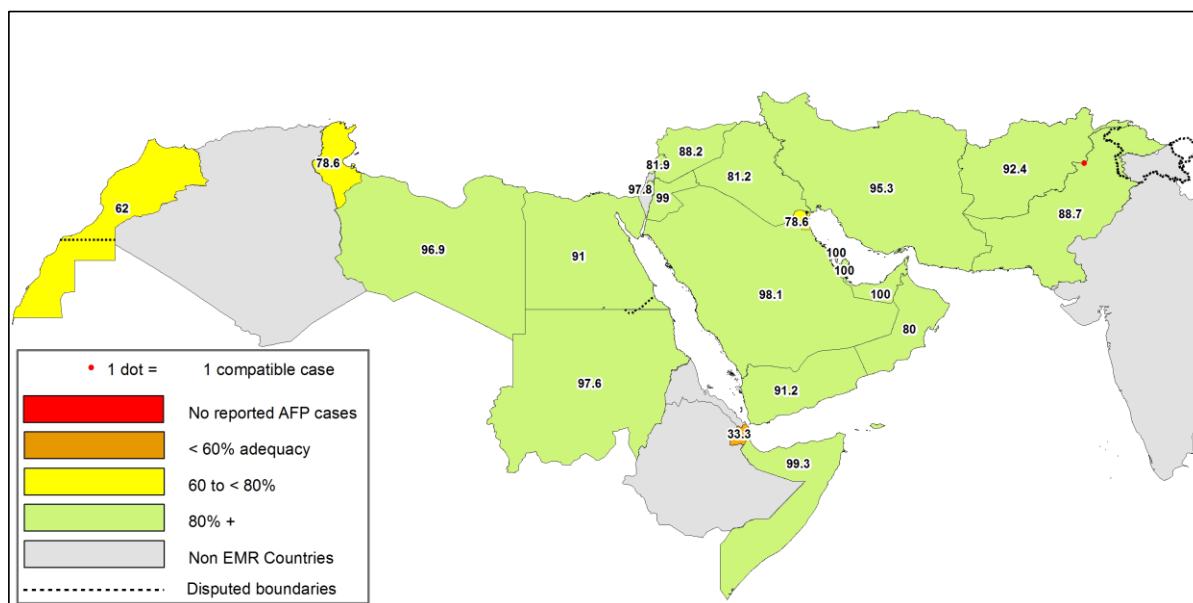


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

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	19	17-01-16	03-11-16
2016 Total		31	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 - 25/12/2016

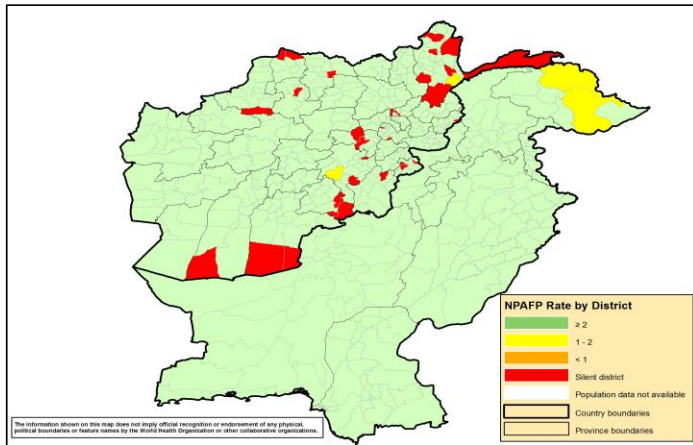


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 25/12/2016

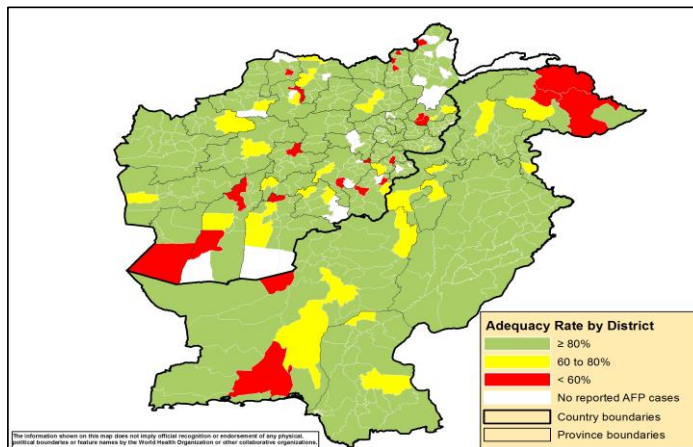
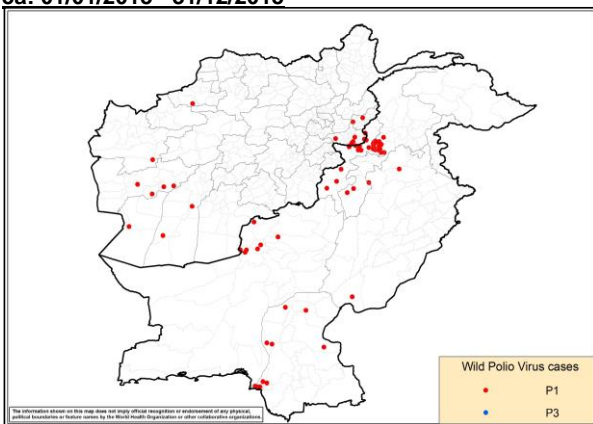


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 25/12/2016

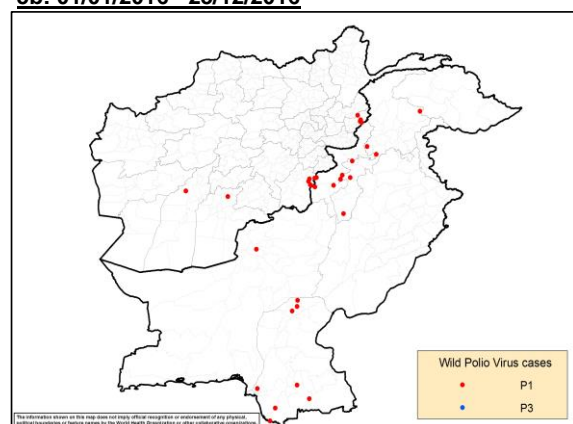




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case	
2015	KANDAHAR	SHAHWALIKOT	1	20-12-15	20-12-15	
		KUNAR	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	COUNTRY	PROVINCE	DISTRICT	Count	First case	Last case
2015	PAK	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
		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
PAK Total			54	03-01-15	31-12-15	
2015 Total			54	03-01-15	31-12-15	
2016	PAK	SINDH	SUJAWAL	2	03-09-16	03-11-16
			BADIN	2	10-10-16	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
		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
		PAK Total			19	17-01-16
2016 Total			19	17-01-16	03-11-16	



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

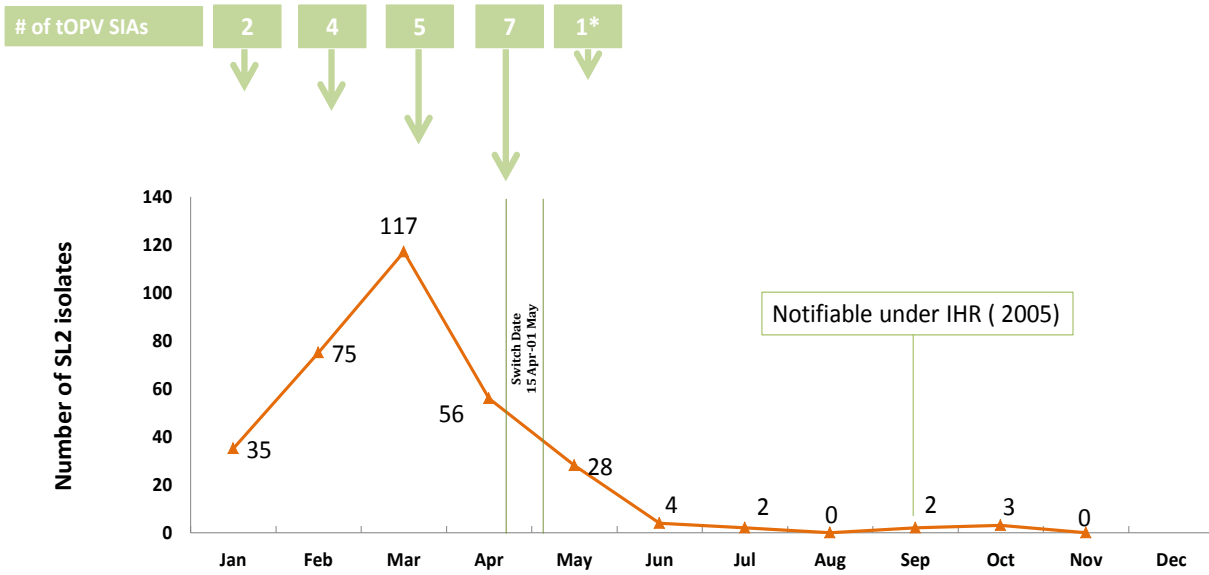
Year	COUNTRY	PROVINCE	DISTRICT	cVDPV2		
				Count	First Case	Last Case
2015	PAK	FATA	KHYBER	1	09/02/2015	09/02/2015
			KHYBER PAKHTOON	1	05/02/2015	05/02/2015
			HANGU	2	05/02/2015	09/02/2015
PAK Total				2	05/02/2015	09/02/2015
2015 Total				2	05/02/2015	09/02/2015

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											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																		
EGY	Contact				3																				
EGY	ENV		9		19	1	20		5		8														
IRA	AFP																								
IRA	Contact																								
IRA	ENV																								
IRQ	AFP		2	1	1		5		1															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											1							
PAK	Contact				1		7		5		1														
PAK	ENV		7		32		27		27		9	1	3	1	1			1	1	1	2	1			
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									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*											
YEM	Contact				1				2					1*											
YEM	ENV																								
EMR	AFP		12	1	15		39		6		8		1		1			2	1	1	1				
EMR	Contact		4		7		20		18		3				1										
EMR	ENV		19		53	1	58		32		17	1	3	1	1			1	1	1	2	1			
	VDPV2																								
	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																								
	Isolation of PV2 in IRN under investigation not reflected in this table																								



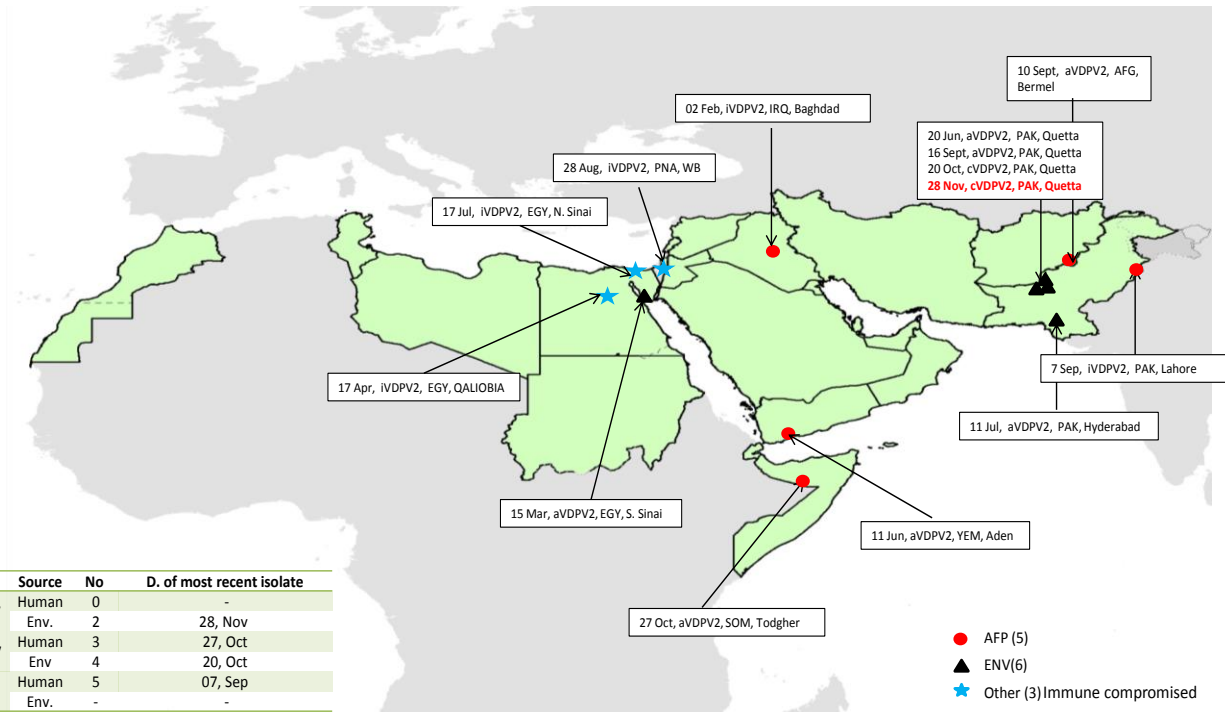
SL2 isolates, EMR countries from Human and ENV 2016



* Focused tOPV campaign in El Tur district (S. Sinai/Egy) as a response to VDPV2 isolation
 PV2 isolated from Iran is under investigation

25 Dec 2016

VDPV2 isolates, EMR countries, 2016



Type	Source	No	D. of most recent isolate
cVDPV	Human	0	-
	Env.	2	28, Nov
aVDPV	Human	3	27, Oct
	Env.	4	20, Oct
iVDPV	Human	5	07, Sep
	Env.	-	-

● AFP (5)
 ▲ ENV(6)
 ★ Other (3) Immune compromised

25 Dec 2016