



AFP SURVEILLANCE

2-Jan-17

Week 52, ending 01 January 2017

Number 952

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

Country	Reported AFP cases by week of onset - Week (52/16) / Ending on : 01/01/2017														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	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	W52 01 Jan 17
Afghanistan	2421	2738	2856	48	56	50	58	68	56	51	57	56	49	28	1
Bahrain	16	19	14	0	0	0	0	0	1	1	0	0	0	0	
Djibouti	3	3	3												
Egypt	1000	1046	1075	31	21	21	41	17	33	19	26	18	25	20	6
Iran	753	780	762	19	15	14	15	20	14	17	16	14	9	4	0
Iraq	590	520	589	14	8	17	13	11	10	13	17	10	9	6	
Jordan ****	62	90	105	4	2	2	2	3	3	3	1	3	2	1	
Kuwait	32	32	46	1	1	0	1	0	3	0	5	3	1	1	
Lebanon ****	50	113	109	4	7	1	2	1	5	1	0	1	0	4	
Libya	43	54	66	1	0	1	2	1	3	2	2	2	2	0	1
Morocco	103	79	79	4	2	1	1	1	1	1	3	1			
Oman	34	39	37	0	1	0	0	1	0	0	0	2	0	0	
Pakistan	5370	5814	7292	167	178	175	142	156	191	194	144	128	108	36	0
Palestine ****	21	38	45	0	0	4	0	0	0	0	0	0	0		
Qatar	7	11	7	0	0	0	0	0	0	0	0	0			
Saudi Arabia	227	254	221	2	10	10	8	8	4	0	0	0	0	0	0
Somalia	420	281	310	6	11	7	2	4	4	13	8	4	4	3	0
Sudan	442	436	504	10	8	7	10	10	9	7	9	4	4	2	
Syria ****	306	235	288	5	3	3	8	4	5	3	3	11	8	2	
Tunisia	44	64	85	1	2	3	2	1	3	1	1	1	1	0	
U.A.E	25	31	39	0	1	0	3	1	1	2	2	2	0	0	
Yemen	578	537	696	9	16	11	4	11	10	11	17	6	7	8	
Total EMR	12547	13214	15228	326	342	327	314	318	356	339	311	266	229	115	8

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	31/12		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	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	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		
Pakistan	306	54	54	19	2	4	2	3		2	1		2	2	1	0
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			
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			
Total EMR	342	74	74	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 (52/16) / Ending on : 01/01/2017)

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	2856	12	0	152	2691	1	14.4	9	0	92.4	12	0	29/12/2016
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	29/12/2016
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	1075	0	0	180	895	0	2.8	0	0	92.2	0	0	29/12/2016
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	762	0	0	15	747	0	4.1	0	0	95.3	0	0	01/01/2017
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	589	0	0	65	523	1	4.0	22	1	81.2	0	0	30/12/2016
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	105	0	0	27	78	0	3.7	1	0	100.0	0	0	29/12/2016
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	46	0	0	11	35	0	5.3	2	0	78.3	0	0	26/12/2016
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	109	0	0	18	91	0	5.6	10	0	80.7	0	0	31/12/2016
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	66	0	0	6	60	0	3.2	1	0	97.0	0	0	31/12/2016
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	37	0	0	2	35	0	4.3	0	0	86.5	0	0	26/12/2016
Pakistan	5814	54	11	0	5745	4	7.4	0	0	87.2	54	0	7292	19	1	432	6839	2	9.3	95	8	88.7	19	0	01/01/2017
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	3	0	100.0	0	0	11/12/2016
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	221	0	0	57	164	0	2.3	15	15	98.6	0	0	01/01/2017
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	310	0	0	10	299	1	5.4	0	0	99.0	0	0	01/01/2017
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	504	0	0	11	493	0	3.0	1	0	97.6	0	0	29/12/2016
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	288	0	0	21	266	0	3.7	0	0	88.2	0	0	29/12/2016
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	85	0	0	3	82	0	3.2	1	0	78.8	0	0	30/12/2016
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	696	0	0	151	544	1	5.4	27	21	90.9	0	0	31/12/2016
EMR	13214	74	15	1	13116	8	5.4	1	0	90.2	74	0	15228	31	1	1205	13985	6	6.1	207	46	90.3	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 (52/16) / Ending on : (01/01/2017)

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	2791	212	32	563	1908	76		9	134			19	1		154			4			19%	96%	98%	98%	31/12/2016
Bahrain	PNL Oman	12	1			11				1											0%	100%	100%	83%	02/01/2017	
Djibouti	NPL Kenya	1			1																100%			100%	10/09/2016	
Egypt***	RRL Egypt	1010	31	1	153	702		122		11			7		17			1	5	2	13%	99%	100%	99%	29/12/2016	
Iran	NPL Iran	766	10		14	729	13			5			1		5			2			2%	100%	100%	99%	01/01/2017	
Iraq	RRL Egypt	578	18		54	482	22	2		8			10	1	10						12%	100%	100%	85%	29/12/2016	
Jordan	RRL Tunisia	106	4		10	91	1			6					3						10%	100%	100%	100%	29/12/2016	
Kuwait	RRL Kuwait	42	1		1	40														1	1%	76%		90%	10/11/2016	
Lebanon	NPL Jordan	108	3		8	94	1	3													6%	100%		100%	29/12/2016	
Libya	RRL Tunisia	63	2		3	55	3			2											5%	100%	100%	98%	30/12/2016	
Morocco	RRL Tunisia	72	2		4	64		2												1	10%	96%	67%	93%	17/12/2016	
Oman	NPL Oman	41			10	28	2	1													19%	100%		100%	02/01/2017	
Pakistan	RRL Pakistan	7335	417	38	1511	5062	305		17	239			33	1	283			8			19%	98%	98%	97%	31/12/2016	
Palestine & UNRWA		45			5	40															11%	30%		98%	22/12/2016	
Qatar	NPL Oman	9			1	8															11%	100%		100%	02/02/2017	
Saudi Arabia	NPL Oman	261			6	194	19	42							1						2%	99%	100%	83%	02/01/2017	
Somalia	NPL Kenya	310	14	13	47	226	6	4	14				9	1	18					1	20%	10%		98%	01/01/2017	
Sudan	RRL Egypt	479	2		69	394		14		1					2						14%	87%	100%	67%	04/12/2016	
Syria	RRL Egypt	301	7		14	268	3	9	3				1		4						4%	100%	100%	78%	29/12/2016	
Tunisia	RRL Tunisia	85	1		4	79	1								1					1	5%	99%	100%	95%	30/12/2016	
U.A.E	NPL Oman	36			3	29	4														8%	100%		97%	02/01/2017	
Yemen	RRL Egypt	616	16	4	133	409		54		6			3	1	10			2	1		19%	66%	100%	51%	29/12/2016	
Total EMR 2016		15067	741	88	2614	10913	456	253	26	430			83	5	508			3	19	3	4	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	2017
AFG	NEGATIVE				9	78	129	168	
	PENDING							17	
	WILD					17	20		
AFG Total					9	95	149	185	
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	437	
	PENDING							21	
	WILD	79	136	88	63	125	79	57	
	WILD & VDPV2				2	6	5	3	
	VDPV2					4	8	3	
PAK Total		156	204	239	322	372	439	521	
EMR	NEGATIVE	260	246	347	570	725	888	1073	
	PENDING							89	
	WILD	79	136	90	63	142	99	57	
	WILD & VDPV2				2	6	5	3	
	VDPV1			1		1			
VDPV2			7	3	6	11	4		
EMR Total		339	382	445	638	880	1003	1228	

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
	AFG Total			JALALABAD	4	22-02-15	27-12-15
	2015 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	
2016	PAK	WILD1	BALOCHISTAN	KABDULLAH	3	15-01-15	01-06-15
				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
				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		
	WILD1 & VDPV2	BALOCHISTAN	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		SINDH	KHIGADAP	5	14-01-15	18-03-15	
			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	
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	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	10	11-01-16	10-12-16
			PUNJAB	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	4	14-04-16	10-12-16
			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			
QUETTA	3	20-10-16		12-12-16			
WILD1+VDPV2	BALOCHISTAN	QUETTA	2	20-06-16	16-09-16		
	VDPV2	SINDH	HYDERABAD	1	11-07-16	11-07-16	
PAK Total				63	05-01-16	12-12-16	
2016 Total				64	05-01-16	12-12-16	



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 31/12/2016

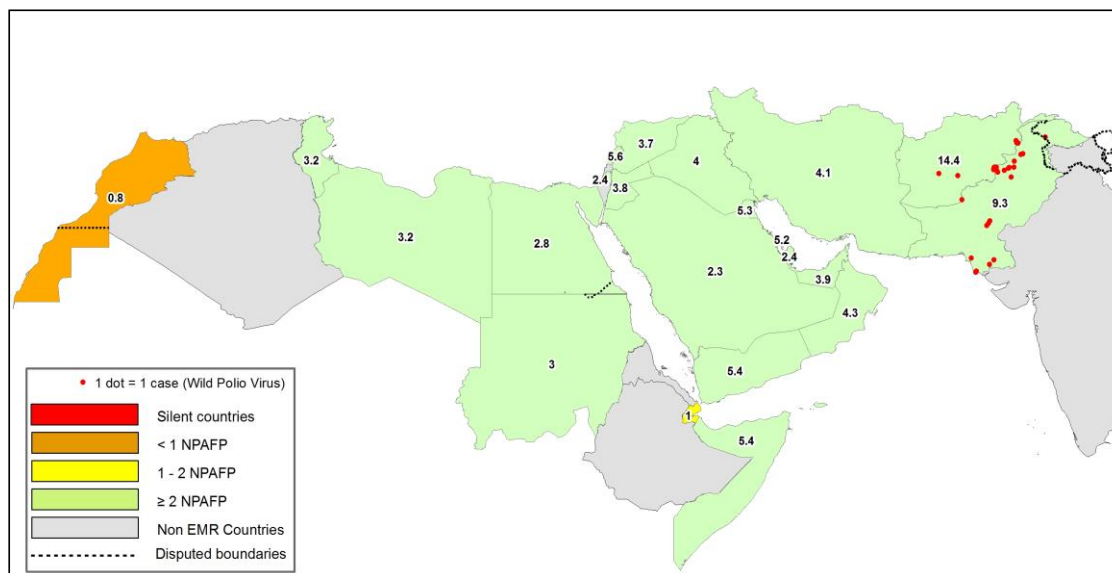


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 31/12/2016

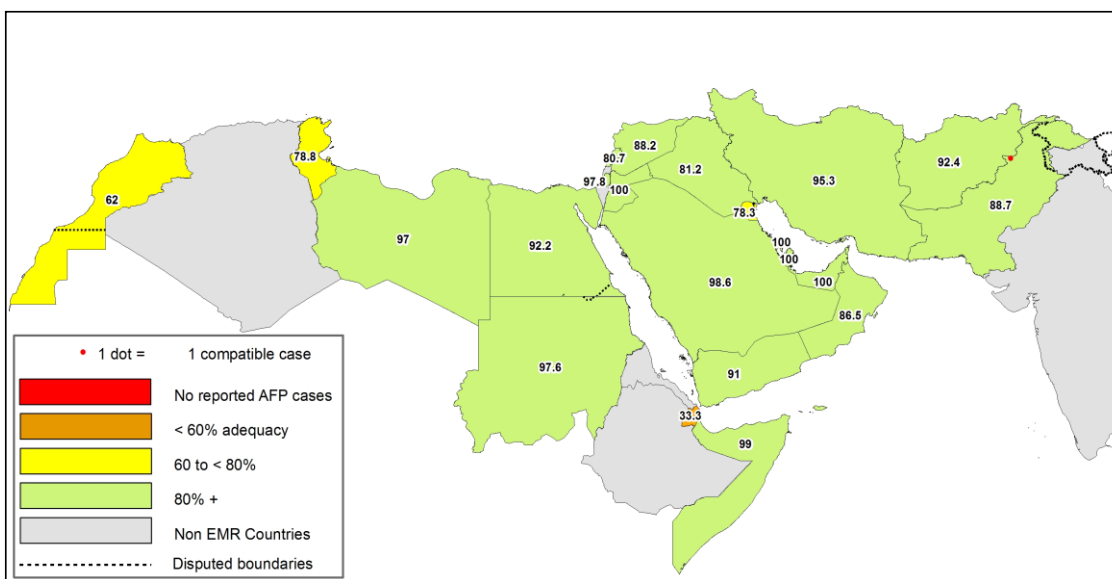


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

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 - 31/12/2016

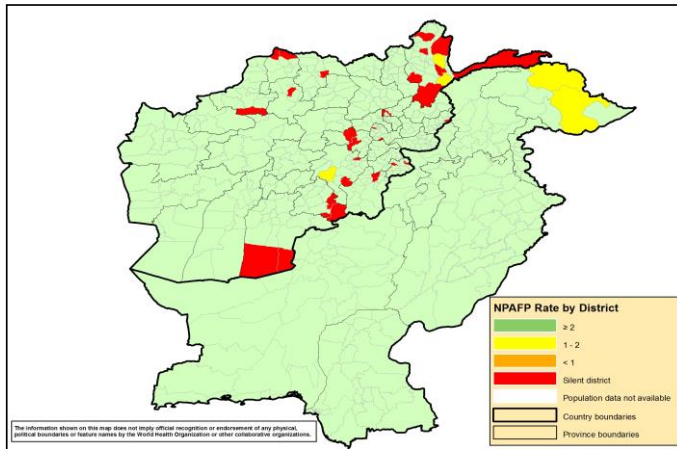


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 31/12/2016

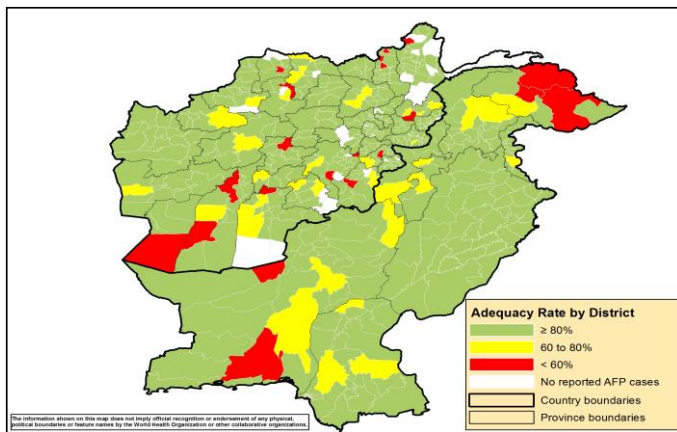
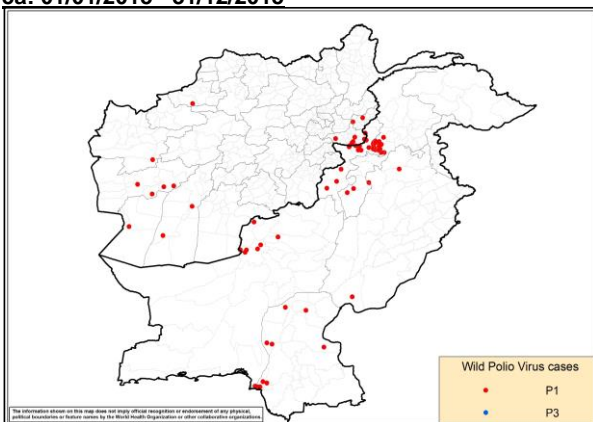


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 31/12/2016

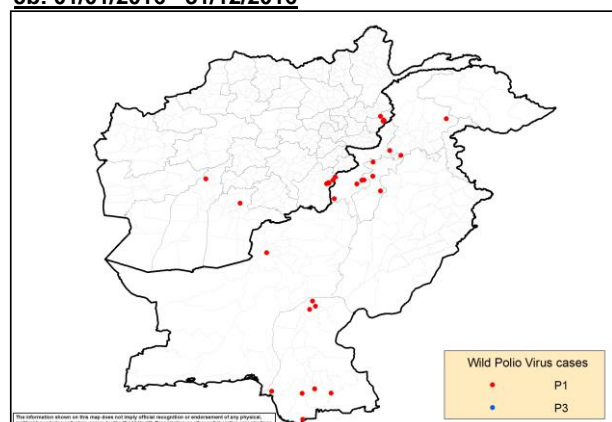




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

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
			HANGU	1	05/02/2015	05/02/2015
		KHYBER PAKHTOON	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

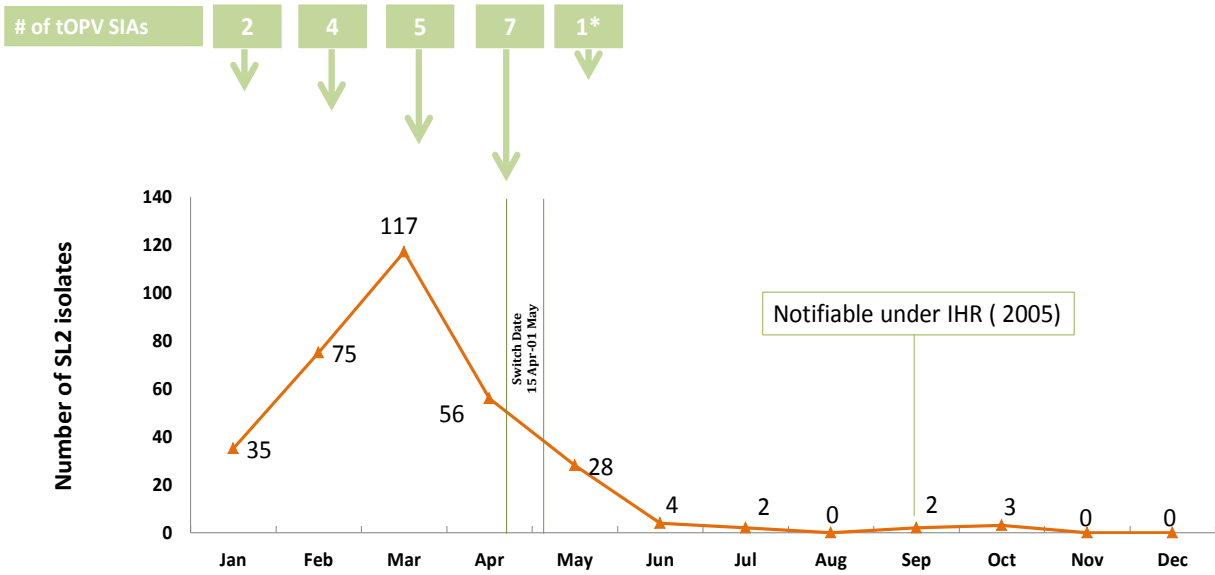
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

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		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															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	1		1	
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																	
	Contact			1				2		1															
	ENV																								
EMR	AFP	12	1	15		39		6		8		1		1				2	1	1	1				
	Contact	4		7		20		18		3				1											
	ENV	19		53	1	58		32		17	1	3	1	1				1	1	1	2	1		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
* VPDP2 isolated from index and contact at the same time
Isolation of PV2 in IRN under investigation not reflected in this table



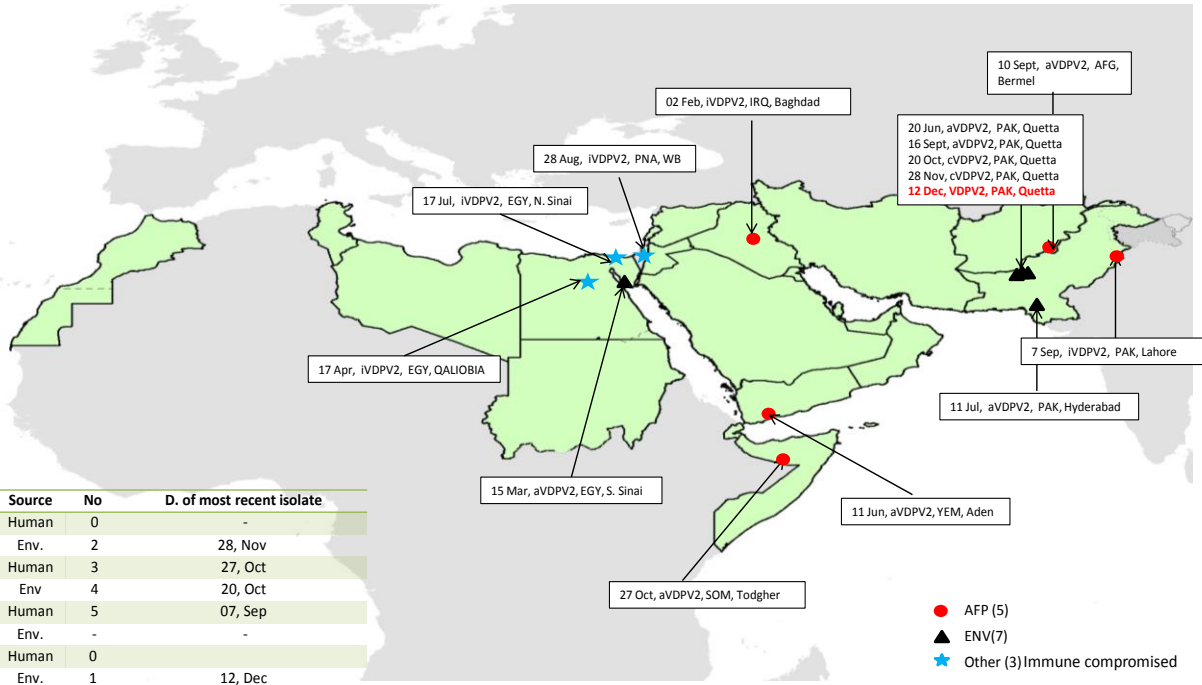
SL2 isolates, EMR countries from Human and ENV 2016



* 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.	-	-
VDPV*	Human	0	-
	Env.	1	12, Dec

* Pending sequencing

25 Dec 2016