



AFP SURVEILLANCE

20-Nov-17

Week 46, ending 19 November 2017

Number 998

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

Country	Reported AFP cases by week of onset - Week (46/17) / Ending on : 19/11/2017														
	Total AFP 2015	Total AFP 2016	Total AFP to date, 2017	W35 03 Sep 17	W36 10 Sep 17	W37 17 Sep 17	W38 24 Sep 17	W39 01 Oct 17	W40 08 Oct 17	W41 15 Oct 17	W42 22 Oct 17	W43 29 Oct 17	W44 05 Nov 17	W45 12 Nov 17	W46 19 Nov 17
Afghanistan	2738	2905	2640	39	55	62	49	48	51	55	60	48	58	41	4
Bahrain	19	14	15	0	0	1	0	1	1	0	0	0	0	0	0
Djibouti	3	3	4												
Egypt	1046	1092	1067	11	21	26	15	23	31	24	16	14	24	7	
Iran	780	776	670	16	14	15	13	15	17	22	14	14	10	2	
Iraq	520	605	583	10	12	15	10	11	20	15	19	5	6	8	
Jordan ****	90	107	95	0	0	6	4	3	4	4	2	0	2	1	
Kuwait	32	50	56	0	1	0	1	0	0	1	4	2	1	5	2
Lebanon ****	113	111	68	2	1	1	1	0	1	0	1	2	1		
Libya	54	70	78	1	1	2	3	0	1	2	3	2	4	0	1
Morocco	79	84	117	6	0	2	1	2	6	3	3	5	3	5	
Oman	39	39	32	1	0	0	1	1	1	1	2	4	2	0	0
Pakistan	5815	7848	8290	157	212	224	188	184	209	165	161	150	77	10	0
Palestine ****	38	46	34	0	1	1	2	0	2	2	1	0	1	1	0
Qatar	11	9	16	0	0	0	0	0	0	1	0	1	1	1	0
Saudi Arabia	254	273	180	0	3	3	5	1	4	0	0	0	0	0	0
Somalia	281	316	315	5	8	10	4	5	6	3	4	6	11	4	0
Sudan	436	509	488	9	15	14	14	12	10	21	13	11	10	8	0
Syria ****	235	303	312	6	7	0	7	8	4	5	5	4	2	1	0
Tunisia	64	90	54	1	2	0	2	2	2	0	0	2	1	0	
U.A.E	31	42	49	1	0	1	0	1	2	3	2	5	2	0	0
Yemen	537	715	607	11	15	15	14	10	16	22	15	13	13	10	0
Total EMR	13215	16007	15770	276	368	398	334	327	388	349	325	288	229	104	7

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2015	Total year 2016	19/11		Confirmed polio cases by month of onset											
			2016	2017	December 2016	January 2017	February 2017	March 2017	April 2017	May 2017	June 2017	July 2017	August 2017	September 2017	October 2017	November 2017
Afghanistan	20	13	12	10	1	2	1	0	1	0	1	1		1	3	
Bahrain	0	0	0	0	0	0	0	0	0	0	0	0	0			
Djibouti	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	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			
Libya	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	0		
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	54	20	19	5	1	1	1	0			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		
Saudi Arabia	0	0	0	0	0	0	0									
Somalia	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	0	
Syria ****	0	0	0	0	0	0	0	0	0	0						
Tunisia	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						
Total EMR	74	33	31	15	2	3	2	0	1	0	2	1	2	1	3	0

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



Table 3: Investigation of AFP cases with paralysis onset in 2016 & 2017 up to Week (46/17) / Ending on : 19/11/2017

COUNTRY	2016												2017												Latest line List Date
	AFP									Specimen	Wild cases ****		AFP									Specimen	Wild cases ****		
	Total AFP cases onset 2016	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 2017	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	2905	13	0	0	2891	1	14.4	0	0	92.2	13	0	2640	10	0	202	2428	0	14.4	24	2	93.8	10	0	20-11-2017
Bahrain	14	0	0	0	14	0	4.9	0	0	100.0	0	0	15	0	0	2	13	0	5.8	0	0	100.0	0	0	12-11-2017
Djibouti	3	0	0	0	3	0	1.0	0	0	33.3	0	0	4	0	0	4	0	0	1.5	4	4	100.0	0	0	10-04-2017
Egypt	1092	0	0	0	1092	0	2.9	0	0	94.1	0	0	1067	0	0	173	893	1	3.2	1	0	93.3	0	0	16-11-2017
Iran	776	0	0	0	775	1	4.2	0	0	95.5	0	0	670	0	0	27	643	0	4.0	0	0	97.8	0	0	18-11-2017
Iraq	605	0	0	0	604	1	4.2	0	0	80.7	0	0	583	0	0	62	521	0	4.4	15	1	86.1	0	0	18-11-2017
Jordan	107	0	0	0	107	0	3.8	0	0	100.0	0	0	95	0	0	32	63	0	3.8	3	0	100.0	0	0	16-11-2017
Kuwait	50	0	0	0	50	0	5.7	0	0	90.0	0	0	56	0	0	8	48	0	7.2	0	0	91.1	0	0	19-11-2017
Lebanon	111	0	0	0	111	0	5.8	0	0	82.9	0	0	68	0	0	12	56	0	4.1	7	0	73.5	0	0	10-11-2017
Libya	70	0	0	0	70	0	3.4	0	0	97.1	0	0	78	0	0	8	70	0	4.3	3	3	96.2	0	0	18-11-2017
Morocco	84	0	0	0	84	0	0.8	0	0	61.9	0	0	117	0	0	45	72	0	1.2	23	0	64.1	0	0	17-11-2017
Oman	39	0	0	0	39	0	4.5	0	0	89.7	0	0	32	0	0	7	25	0	4.0	0	0	84.4	0	0	19-11-2017
Pakistan	7848	20	5	0	7821	2	10.0	0	0	87.3	20	0	8290	5	0	696	7589	0	12.0	114	17	87.7	5	0	19-11-2017
Palestine	46	0	0	0	46	0	2.4	0	0	97.8	0	0	34	0	0	10	24	0	2.0	0	0	100.0	0	0	12-11-2017
Qatar	9	0	0	0	9	0	3.0	0	0	100.0	0	0	16	0	0	4	12	0	6.1	0	0	93.8	0	0	19-11-2017
Saudi Arabia	273	0	0	0	273	0	2.8	0	0	98.2	0	0	180	0	0	108	72	0	2.1	88	84	97.2	0	0	19-11-2017
Somalia	316	0	0	0	315	1	5.5	0	0	99.1	0	0	315	0	0	20	295	0	6.2	1	1	99.0	0	0	19-11-2017
Sudan	509	0	0	0	509	0	2.8	0	0	97.6	0	0	488	0	0	20	468	0	3.1	0	0	97.5	0	0	19-11-2017
Syria	303	0	0	0	303	0	3.9	0	0	87.8	0	0	312	0	1	20	221	70	4.5	1	0	81.1	0	0	18-11-2017
Tunisia	90	0	0	0	89	1	3.4	0	0	77.8	0	0	54	0	0	4	50	0	2.3	0	0	81.5	0	0	17-11-2017
U.A.E	42	0	0	0	42	0	4.2	0	0	100.0	0	0	49	0	0	12	37	0	5.5	0	0	95.9	0	0	19-11-2017
Yemen	715	0	0	0	714	1	5.4	0	0	90.9	0	0	607	0	0	285	322	0	5.0	116	105	90.9	0	0	18-11-2017
EMR	16007	33	5	0	15961	8	6.4	0	0	89.7	33	0	15770	15	1	1761	13922	71	7.1	400	217	90.0	15	0	
2015	13214	74	15	1	13117	8	5.2	0	0	90.2	74	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): Lab results of contacts' samples in EMR, 2016 - 2017

COUNTRY	2016						2017					
	# OF CONTACTS	LAB RESULTS					# OF CONTACTS	LAB RESULTS				
	WILD	VDPV	SL	NPEV	PENDING	WILD	VDPV	SL	NPEV	PENDING		
AFG	1453	8		127	343		1256	1		80	303	60
BAH							2					
DJI	9				9							
EGY	362			13	49	14	379			4	39	79
IRN	170			3	6		101			3		
IRQ	658			28	102	6	619			12	81	35
JOR							2					
KUW	78						8					2
LEB	210			11	2	20	63			2	3	19
LIB							4					1
MOR	82			1	7	7	64				6	2
OMA	102			1	7	2	72			1	17	4
PAK	2503	5		181	525		3168			176	757	65
PAL												
QAT												
SAA												
SOM	930		1	50	110		949			35	100	60
SUD	228				18	19	288			5	19	22
SYR	679			9	17		511		52	2	8	10
TUN	20				1	1	23				1	1
UAE							2					
YEM	1723		2	37	277	5	1511			42	99	630
EMR	9207	13	3	461	1473	74	9022	1	52	362	1433	990

Table 4 (B): Most recent wild contacts in EMRO, 2016 - 2017

Year	Country	Data	
		Count of wild contacts	Date of Most Recent stool collection
2016	Pakistan	5	25-11-16
	Afghanistan	8	07-10-16
2016 Total		13	25-11-16
2017	Afghanistan	1	21-05-17
2017 Total		1	21-05-17

Table 4 (C): Number and distribution by district of -ve index AFP cases identified as wild positive by contact in EMR, 2016-2017

YEAR	COUNTRY	PROVINCE	DISTRICT	COUNT	First case	Last case
2016	AFG	KUNAR	SHIGAL WA SHELTAN	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
SINDH		BADIN	1	10-10-16	10-10-16	
PAK Total			2	03-09-16	10-10-16	
2017	AFG	HILMAND	NAWZAD	1	16-04-17	16-04-17
				1	16-04-17	16-04-17



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2017 up to Week (46/17) / Ending on : (19/11/2017)

Country	Polio laboratories Sequencing performed by EGY, PAK, TUN, 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	2587	218	30	560	1661	118		9	167						183	1	3				21%	99%	98%	98%	19/11/2017
Bahrain	PNL Oman	16			1	15																5%	100%		69%	20/11/2017
Djibouti	NPL Kenya	4						4																		10/04/2017
Egypt***	RRL Egypt	1060	19	5	153	821	30	32		12		1		7				6	2			12%	100%	100%	99%	19/11/2017
Iran	NPL Iran	680	10		4	647	18	1		6				8								0%	99%	100%	100%	18/11/2017
Iraq	RRL Egypt	591	18		77	466	22	9		11				14								13%	100%	100%	100%	16/11/2017
Jordan	RRL EGYPT	95	1		6	87	1							3								7%	100%	100%	75%	19/11/2017
Kuwait	RRL Kuwait	64			4	51	8	1														4%	95%		98%	16/11/2017
Lebanon	NPL Jordan	66	1		5	57	3															9%	100%		100%	19/11/2017
Libya	RRL Tunisia	74	1		6	64	3			1				1								7%	100%	100%	94%	17/11/2017
Morocco	NPL Morocco	90			7	78	5															8%	76%		91%	18/11/2017
Oman	NPL Oman	32			6	26																22%	97%		97%	20/11/2017
Pakistan	RRL Pakistan	8279	398	33	1923	5729	188	7	5	241		9		300				5		2		20%	99%	99%	97%	19/11/2017
Palestine & UNRWA		34			11	21	2															34%	26%		100%	19/11/2017
Qatar	NPL Oman	15			1	14																7%	100%		100%	20/11/2017
Saudi Arabia	NPL Oman	214	1		35	145	8	25														16%	99%		100%	13/11/2017
Somalia	NPL Kenya	315	19	4	40	232	8	12		14				19								15%	24%		100%	19/11/2017
Sudan	RRL Egypt	487	8		58	403	18	1		4				3				1				11%	100%	100%	100%	19/11/2017
Syria	RRL Egypt	299	46		11	233	8	1		2		1	33*	5			21					4%	100%	100%	78%	16/11/2017
Tunisia	RRL Tunisia	60			5	51	4															7%	100%		98%	17/11/2017
U.A.E	NPL Oman	45	2		3	36	4			2				2								7%	100%	100%	54%	20/11/2017
Yemen	RRL Egypt	204	20	3	28	153				11				18				2				12%	100%	100%	37%	19/11/2017
Total EMR 2017		15311	762	75	2944	10990	448	93	14	471		10	34	563		22	17	2	2			17%	97%	99%	96%	
Total EMR 2016		15747	823	93	2781	12035		12	28	482		86	6	565	1	2	23	3	4			15%	95%	98%	94%	

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

***37 cVDPV2 were isolated from Syria by other Global Polio Laboratories Network (GPLN)**

** This indicator reflects surveillance and laboratory activities

Syria reported a total of 70 cVDPV2 cases in 2017 out of which 8 were identified by positive contacts



Table 6: Environmental isolate by year and type

Country	Status	2010	2011	2012	2013	2014	2015	2016	2017
AFG	NEGATIVE				9	78	129	183	236
	PENDING								9
	WILD					17	20	2	24
AFG Total					9	95	149	185	269
EGY	NEGATIVE	416	447	412	472	452	412	528	384
	PENDING								65
	WILD			2					
	VDPV1			1		1			
	VDPV2			7	3	2	3	1	
EGY Total		183	178	206	307	413	415	529	449
JOR	NEGATIVE							2	26
	PENDING								1
JOR Total								2	27
LEB	NEGATIVE							4	20
	PENDING								1
LEB Total								4	21
PAK	NEGATIVE	77	68	151	257	237	347	462	434
	PENDING								30
	WILD	79	136	88	63	125	79	59	90
	WILD & VDPV2				2	6	5	3	1
	VDPV2					4	8	5	4
PAK Total		156	204	239	322	372	439	529	559
SOM	NEGATIVE								2
	PENDING								2
	VDPV2								1
SOM Total									5
EMR	NEGATIVE	493	515	563	738	767	888	1179	1102
	PENDING								108
	WILD	79	136	90	63	142	99	61	114
	WILD & VDPV2				2	6	5	3	1
	VDPV1			1		1			0
VDPV2			7	3	6	11	6	5	
EMR Total		339	382	445	638	880	1003	1249	1330

Table 7: Environmental Wild/VDPV isolate by site

Year	Country	Status	Province	District	Count	First date	Last date	
2016	AFG	WILD1	HILMAND	NAHR-E-SARAJ	1	23-Dec	23-Dec	
			NANGARHAR	JALALABAD	1	26-Dec	26-Dec	
	AFG Total					2	23-Dec	26-Dec
	EGY	VDPV2	SOUTH SINIA	EL TUR	1	15-Mar	15-Mar	
	EGY Total					1	15-Mar	15-Mar
	PAK	WILD1	BALOCHISTAN	KABDULLAH	KABDULLAH	6	15-Jan	2-Dec
				PISHIN	PISHIN	4	2-Aug	16-Sep
				QUETTA	QUETTA	11	12-Feb	20-Nov
				DIKHAN	DIKHAN	1	16-Jul	16-Jul
				PESHAWAR	PESHAWAR	10	11-Jan	10-Dec
DERA GHAZI KHA				DERA GHAZI KHA	1	12-May	12-May	
FAISALABAD				FAISALABAD	2	3-Feb	2-Jul	
LAHORE				LAHORE	3	5-Aug	18-Oct	
MULTAN				MULTAN	2	8-Nov	8-Dec	
RAWALPINDI				RAWALPINDI	4	14-Apr	10-Dec	
SINDH				HYDERABAD	HYDERABAD	1	5-Jan	5-Jan
				JACOBABAD	JACOBABAD	3	4-Feb	16-Aug
				KHIBALDIA	KHIBALDIA	1	14-Jul	14-Jul
				KHIGADAP	KHIGADAP	4	27-Jan	9-Mar
				KHIGIQBAL	KHIGIQBAL	2	18-Jan	15-Mar
				KHILANDHI	KHILANDHI	1	14-Dec	14-Dec
				SUKKUR	SUKKUR	3	12-Jan	19-Mar
WILD1+VDPV2	BALOCHISTAN	QUETTA	3	20-Oct	12-Dec			
VDPV2	BALOCHISTAN	QUETTA	4	20-Jun	28-Dec			
	SINDH	HYDERABAD	1	11-Jul	11-Jul			
PAK Total					67	5-Jan	28-Dec	
2016 Total					70	5-Jan	28-Dec	
2017	AFG	WILD1	HILMAND	LASHKARGAH	5	26-Apr	5-Oct	
			KABUL	KABUL	1	25-Oct	25-Oct	
			KANDAHAR	KANDAHAR	12	26-Jan	4-Nov	
			NANGARHAR	BEHSUD	1	24-Sep	24-Sep	
			JALALABAD	JALALABAD	5	24-Jan	23-Sep	
	AFG Total					24	24-Jan	4-Nov
	PAK	WILD1	BALOCHISTAN	KABDULLAH	KABDULLAH	12	1-Jan	15-Oct
				LORALAI	LORALAI	2	17-Sep	17-Oct
				PISHIN	PISHIN	5	2-Jan	2-Oct
				QUETTA	QUETTA	11	1-Jan	12-Oct
				ISLAMABAD	CDA	5	10-Feb	10-Jul
				KHYBER PAKHTUNKHWA	PESHAWAR	6	10-Jan	10-Oct
				PUNJAB	MULTAN	1	9-Jan	9-Jan
				RAWALPINDI	RAWALPINDI	8	10-Jan	10-Oct
				JACOBABAD	JACOBABAD	2	11-Aug	11-Sep
				KAMBAR	KAMBAR	1	15-Aug	15-Aug
				KHIBALDIA	KHIBALDIA	1	8-Aug	8-Aug
				KHIGADAP	KHIGADAP	18	9-Jan	12-Oct
				KHIGIQBAL	KHIGIQBAL	6	3-Feb	10-Oct
				KHIKORANGI	KHIKORANGI	1	16-Oct	16-Oct
KHILANDHI				KHILANDHI	5	16-Mar	19-Sep	
KHISITE	KHISITE	4	7-Aug	1-Nov				
SUKKUR	SUKKUR	2	11-Apr	19-Sep				
WILD1+VDPV2	BALOCHISTAN	KABDULLAH	1	15-Jul	15-Jul			
VDPV2	BALOCHISTAN	PISHIN	1	2-May	2-May			
		QUETTA	3	3-Apr	29-May			
PAK Total					95	1-Jan	1-Nov	
SOM	VDPV2	BANADIR	WABERI	1	22-Oct	22-Oct		
SOM Total					1	22-Oct	22-Oct	
2017 Total					119	1-Jan	4-Nov	



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2017 - 19/11/2017

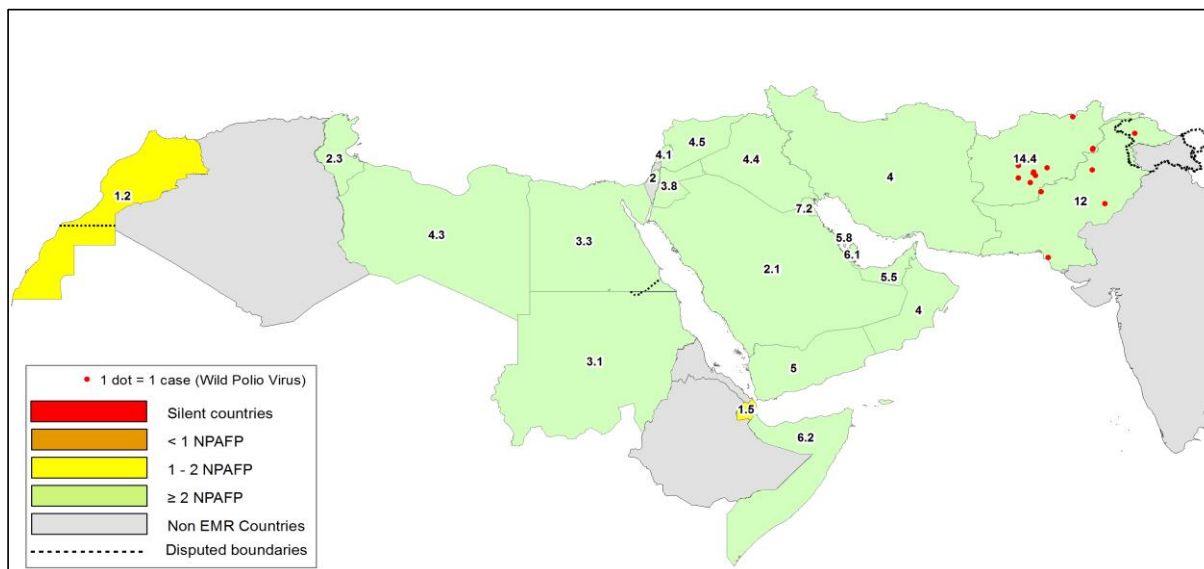


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2017 - 19/11/2017

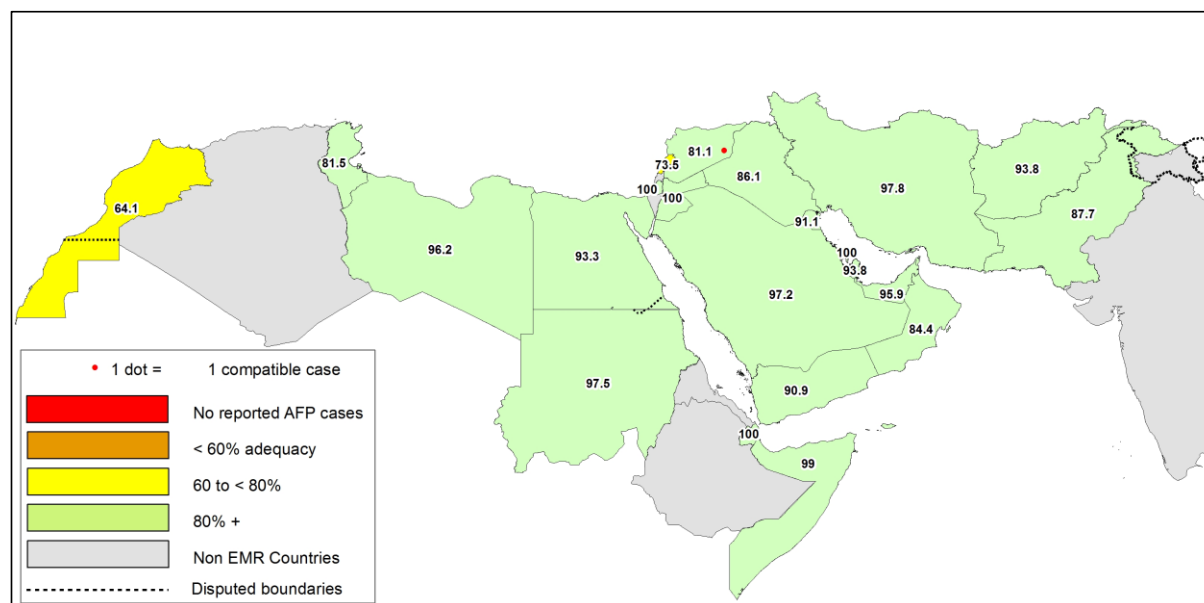


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2016 - 2017

Year	COUNTRY	Count	First Case	Last Case
2016	AFG	13	23-01-16	16-12-16
	PAK	20	17-01-16	22-12-16
2016 Total		33	17-01-16	22-12-16
2017	AFG	10	13-01-17	17-10-17
	PAK	5	28-01-17	21-08-17
2017 Total		15	13-01-17	17-10-17

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



Figure 3: Non Polio AFP rate by Province in Afghanistan & by District in Pakistan 01/01/2017 - 19/11/2017

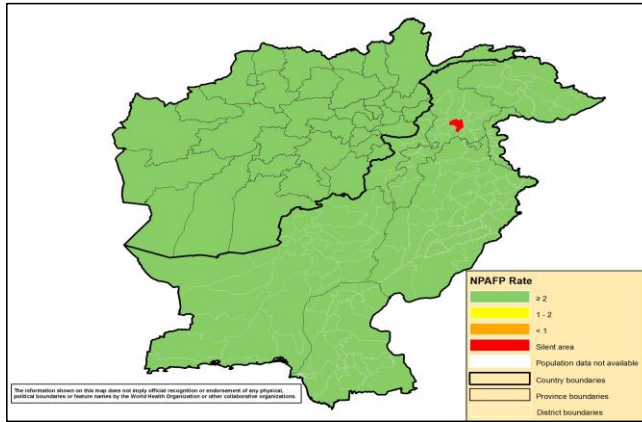


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan by Province & Pakistan by District 01/01/2017 - 19/11/2017

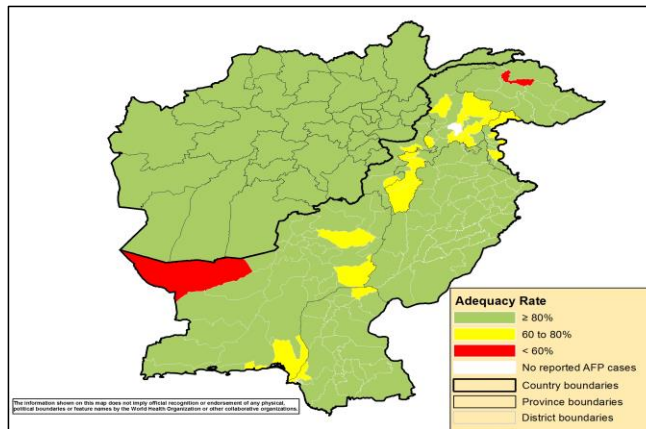
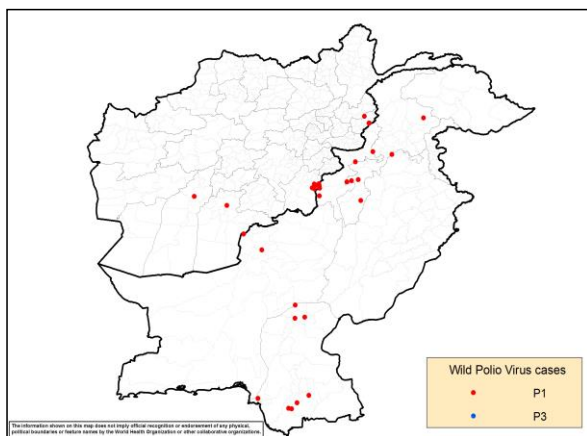
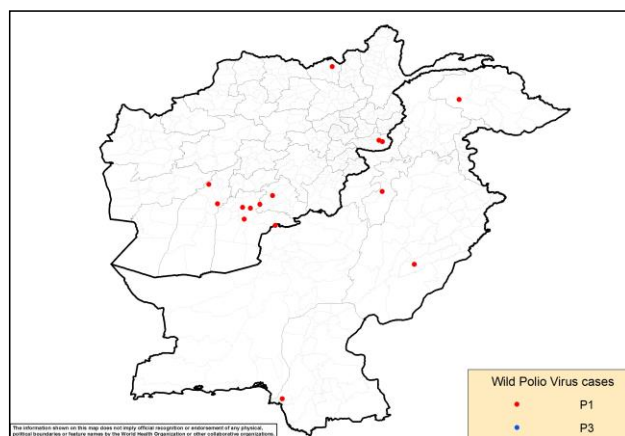


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2017 - 19/11/2017





ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2016	PAKTIKA	BERMEL	7	02-08-16	16-12-16
	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			13	23-01-16	16-12-16
2017	KANDAHAR	SHAHWALIKOT	3	19-06-17	17-10-17
		KANDAHAR	1	13-01-17	13-01-17
	NANGARHAR	BATIKOT	2	15-09-17	11-10-17
	ZABUL	ARGHANDAB (Z)	1	10-07-17	10-07-17
	HILMAND	NAWZAD	1	16-04-17	16-04-17
		NAHR-E-SARAJ	1	21-01-17	21-01-17
	KUNDUZ	DASHT-E-ARCHI	1	21-02-17	21-02-17
2017 Total			10	13-01-17	17-10-17

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2016	BALOCHISTAN	KABDULAH	1	22-12-16	22-12-16
		QUETTA	1	01-02-16	01-02-16
	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
	KHYBER PAKHTOON	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
2016 Total			20	17-01-16	22-12-16
2017	KHYBER PAKHTOON	LAKKIMRWT	1	21-08-17	21-08-17
	SINDH	KHIGIQBAL	1	11-08-17	11-08-17
	BALOCHISTAN	KABDULAH	1	11-06-17	11-06-17
	GILGIT BALTISTAN	DIAMIR	1	13-02-17	13-02-17
	PUNJAB	LODHRAN	1	28-01-17	28-01-17
2017 Total			5	28-01-17	21-08-17

Table 11: Circulating VDPV cases and date of onset of paralysis in EMR countries by districts 2016 - 2017

Year	COUNTRY	PROVINCE	DISTRICT	cVDPV2		
				Count	First Case	Last Case
2016	PAK	BALOCHISTAN	QUETTA	1	17-12-16	17-12-16
	PAK Total			1	17-12-16	17-12-16
2016 Total				1	17-12-16	17-12-16
2017	SYR	HOMS	TADMOUR	1	10-07-17	10-07-17
		DEIR_AL_ZOUR	DEIR ALZOUR	1	30-06-17	30-06-17
		DEIR_AL_ZOUR	BOKAMAL	11	25-06-17	28-08-17
		DEIR_AL_ZOUR	MAYADEEN	55	05-03-17	09-09-17
		RAQUA	THAWRA	1	16-06-17	16-06-17
		RAQUA	TALABYAD	1	25-04-17	25-04-17
SYR Total				70	05-03-17	25-08-17
2017 Total				70	05-03-17	25-08-17



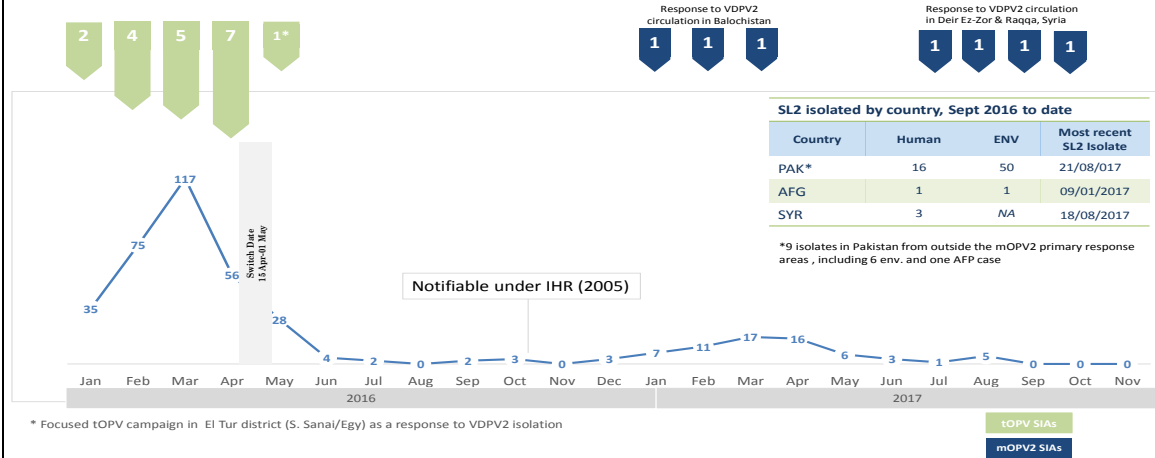
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016 - 2017

Country	Source	Poliovirus type 2 by month																									
		2016										2017															
		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov							
		V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2				
AFG	AFP	1						1	1																		
	Contact	1																									
	ENV											1															
	Others*																										
BAH	AFP																										
	Contact																										
	Others*																										
DJI	AFP																										
	Contact																										
	Others*																										
EGY	AFP	1											1														
	Contact																										
	ENV	8																									
	Others*	1		1																							
IRN	AFP	1								1																	
	Contact																										
	Others*																										
IRQ	AFP									1			1														
	Contact													1													
	Others*																										
JOR	AFP																										
	Contact																										
	ENV																										
	Others*																										
KWT	AFP																										
	Contact																										
	Others*																										
LEB	AFP																										
	Contact																										
	ENV																										
	Others*																										
LIB	AFP																										
	Contact																										
	Others*																										
MOR	AFP																										
	Contact																										
	Others*																										
OMA	AFP																										
	Contact																										
	Others*																										
PAK	AFP	3						1				1	2	1			5	1				1					
	Contact	1															1	2									
	ENV	9	1	3	1	1		1	1	1	2	1	3	5	9	11	1	10	3	6	3	1	1				
	Others*																	2									
PNA	AFP																										
	Contact																										
	Others*					1																					
QAT	AFP																										
	Contact																										
	Others*																										
SAA	AFP																										
	Contact																										
	Others*																										
SUD	AFP																										
	Contact																										
	Others*																										
SOM	AFP			1		1				1																	
	Contact																										
	ENV																					1					
	Others*																										
SYR	AFP	1													2	4	15	12	8	20	1	1					
	Contact															2	1	18	12	4	15	1					
	Others*																	2	2	1							
TUN	AFP																										
	Contact																										
	Others*																										
UAE	AFP																										
	Contact																										
	Others*																										
YEM	AFP	1	1**																								
	Contact	1	1**																								
	Others*																										
EMR	AFP	8	1	1		1		2	1	1	1	1	1	3	1	1	1	2	5	4	1	15	12	8	20	2	1
	Contact	3	1																1	1	2	2	18	12	4	15	1
	ENV	17	1	3	1	1		1	1	1	2	1	3	6	9	11	1	10	3	6	3	1	1	2	2	1	1
	Others*	1			1	1																	2	2	1		

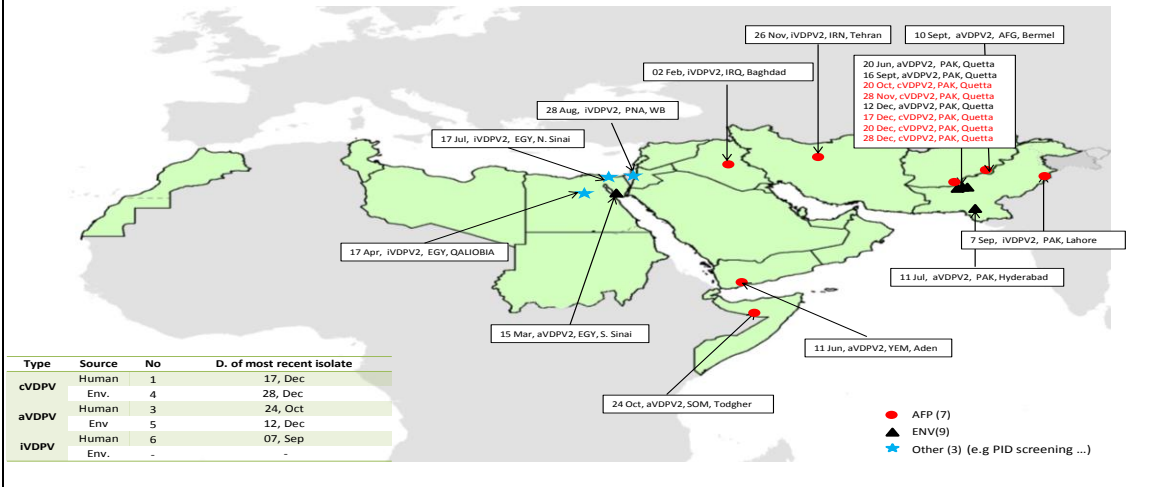
VDPV2 SL2
 *Other: Healthy children, PIDs
 ** VDP2 isolated from index and contact at the sam



Sabin Like Type-2 Poliovirus Isolates EMR, Human & Environmental Sample, 2016 -17



VDPV2 isolates, EMR countries, 2016



VDPV2 isolates, EMR countries, 2017

