



AFP SURVEILLANCE

18-Dec-17

Week 50, ending 17 December 2017

Number 1002

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

Country	Reported AFP cases by week of onset - Week (50/17) / Ending on : 17/12/2017														
	Total AFP 2015	Total AFP 2016	Total AFP to date, 2017	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	W47 26 Nov 17	W48 03 Dec 17	W49 10 Dec 17	W50 17 Dec 17
Afghanistan	2738	2905	2875	48	51	55	62	49	62	54	53	47	61	51	7
Bahrain	19	14	16	1	1	0	0	0	0	0	1	0	0	0	
Djibouti	3	3	4												
Egypt	1046	1092	1152	23	31	24	17	15	24	23	22	21	13	11	
Iran	780	776	741	16	17	22	14	20	17	9	16	12	15	6	1
Iraq	520	605	637	11	20	15	19	5	8	14	11	12	16	7	
Jordan ****	90	107	105	3	4	4	2	0	2	1	0	5	2	3	0
Kuwait	32	50	60	0	0	1	4	2	1	5	3	1	1	0	1
Lebanon ****	113	111	72	0	1	0	1	2	1	2	1	1	0	0	
Libya	54	70	86	0	1	2	3	2	4	0	4	2	1	2	
Morocco	79	84	132	2	7	3	3	5	3	6	3	5	2	3	
Oman	39	39	36	1	1	1	2	4	2	1	0	1	2	0	
Pakistan	5819	7850	9070	198	227	186	189	213	161	162	175	111	25	9	
Palestine ****	38	46	37	0	2	2	1	0	1	1	2	0	1	0	0
Qatar	11	9	18	0	0	1	0	1	1	1	1	0	0	1	
Saudi Arabia	254	273	204	1	12	5	2	0	0	2	2	1	0	0	0
Somalia	281	316	330	5	6	3	4	6	11	5	6	2	5	1	0
Sudan	436	509	538	12	10	21	13	11	14	11	12	12	15	4	0
Syria ****	235	303	337	8	4	5	5	4	5	7	8	2	1	0	
Tunisia	64	90	56	2	2	0	0	3	1	0	1	0	0	0	
U.A.E	31	42	52	1	2	3	2	5	3	0	1	1	0	0	0
Yemen	537	715	662	10	16	22	15	13	13	19	14	15	14	3	
Total EMR	13219	16009	17220	342	415	375	358	360	334	323	336	251	174	101	9

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2015	Total year 2016	17/12		Confirmed polio cases by month of onset											
			2016	2017	January 2017	February 2017	March 2017	April 2017	May 2017	June 2017	July 2017	August 2017	September 2017	October 2017	November 2017	December 2017
Afghanistan	20	13	13	12	2	1	0	1	0	1	1		1	3	2	
Bahrain	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Djibouti	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	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	0	0	0		
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	54	20	19	7	1	1	0	0	0	1	0	2	0		2	
Palestine ****	0	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										
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		
Syria ****	0	0	0	0	0	0	0	0	0					0		
Tunisia	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			
Yemen	0	0	0	0	0	0	0	0	0	0	0	0				
Total EMR	74	33	32	19	3	2	0	1	0	2	1	2	1	3	4	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 (50/17) / Ending on : 17/12/2017

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	
		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	2875	12	0	193	2670	0	14.5	13	4	93.9	12	0	17-12-2017
Bahrain	14	0	0	0	14	0	4.9	0	0	100.0	0	0	16	0	0	2	14	0	5.7	0	0	100.0	0	0	14-12-2017
Djibouti	3	0	0	0	3	0	1.0	0	0	33.3	0	0	4	0	0	4	0	0	1.4	4	4	100.0	0	0	10-04-2017
Egypt	1092	0	0	0	1092	0	2.9	0	0	94.1	0	0	1152	0	0	109	1042	1	3.2	6	0	93.0	0	0	10-12-2017
Iran	776	0	0	0	775	1	4.2	0	0	95.5	0	0	741	0	0	26	715	0	4.1	0	0	96.6	0	0	17-12-2017
Iraq	605	0	0	0	604	1	4.2	0	0	80.7	0	0	637	0	0	65	572	0	4.4	15	1	86.5	0	0	14-12-2017
Jordan	107	0	0	0	107	0	3.8	0	0	100.0	0	0	105	0	0	29	76	0	3.9	5	0	99.0	0	0	17-12-2017
Kuwait	50	0	0	0	50	0	5.7	0	0	90.0	0	0	60	0	0	3	57	0	7.1	0	0	93.3	0	0	17-12-2017
Lebanon	111	0	0	0	111	0	5.8	0	0	82.9	0	0	72	0	0	10	62	0	4.0	6	0	76.4	0	0	15-12-2017
Libya	70	0	0	0	70	0	3.4	0	0	97.1	0	0	86	0	0	7	79	0	4.4	1	1	96.5	0	0	16-12-2017
Morocco	84	0	0	0	84	0	0.8	0	0	61.9	0	0	132	0	0	49	83	0	1.3	26	0	65.9	0	0	15-12-2017
Oman	39	0	0	0	39	0	4.5	0	0	89.7	0	0	36	0	0	4	32	0	4.2	0	0	88.9	0	0	10-12-2017
Pakistan	7850	20	5	2	7821	2	10.0	2	0	87.0	20	0	9070	7	0	1373	7690	0	12.1	275	0	85.9	7	0	16-12-2017
Palestine	46	0	0	0	46	0	2.4	0	0	97.8	0	0	37	0	0	12	25	0	2.0	0	0	100.0	0	0	17-12-2017
Qatar	9	0	0	0	9	0	3.0	0	0	100.0	0	0	18	0	0	6	12	0	6.3	0	0	94.4	0	0	14-12-2017
Saudi Arabia	273	0	0	0	273	0	2.8	0	0	98.2	0	0	204	0	0	124	80	0	2.2	93	89	97.5	0	0	17-12-2017
Somalia	316	0	0	0	315	1	5.5	0	0	99.1	0	0	330	0	0	9	321	0	5.9	1	1	99.1	0	0	17-12-2017
Sudan	509	0	0	0	509	0	2.8	0	0	97.6	0	0	538	0	0	29	509	0	3.1	0	0	97.0	0	0	17-12-2017
Syria	303	0	0	0	303	0	3.9	0	0	87.8	0	0	337	0	1	16	246	74	4.5	3	0	81.3	0	0	16-12-2017
Tunisia	90	0	0	0	89	1	3.4	0	0	77.8	0	0	56	0	0	5	51	0	2.2	0	0	78.6	0	0	15-12-2017
U.A.E	42	0	0	0	42	0	4.2	0	0	100.0	0	0	52	0	0	15	37	0	5.3	0	0	96.2	0	0	18-12-2017
Yemen	715	0	0	0	714	1	5.4	0	0	90.9	0	0	662	0	0	196	466	0	5.0	29	19	91.4	0	0	16-12-2017
EMR	16009	33	5	2	15961	8	6.4	2	0	89.6	33	0	17220	19	1	2286	14839	75	7.2	477	119	89.1	19	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	0	127	343	0	1334	1	0	84	334	22
BAH	0	0	0	0	0	0	2	0	0	0	0	0
DJI	9	0	0	0	9	0	0	0	0	0	0	0
EGY	362	0	0	13	49	14	417	0	0	9	53	46
IRN	170	0	0	3	6	0	113	0	0	3	0	0
IRQ	658	0	0	28	102	6	667	0	0	13	92	37
JOR	30	0	0	0	2	0	2	0	0	0	0	0
KUW	78	0	0	0	0	0	8	0	0	0	0	2
LEB	210	0	0	11	2	20	86	0	0	2	3	33
LIB	0	0	0	0	0	0	4	0	0	0	0	1
MOR	82	0	0	1	7	7	70	0	0	0	6	5
OMA	102	0	0	1	7	2	81	0	0	1	17	4
PAK	2504	5	0	181	525	0	3351	0	0	197	818	20
PAL	0	0	0	0	0	0	0	0	0	0	0	0
QAT	0	0	0	0	0	0	0	0	0	0	0	0
SAA	0	0	0	0	0	0	0	0	0	0	0	0
SOM	930	0	1	50	110	0	993	0	0	36	107	26
SUD	228	0	0	0	18	19	327	0	0	5	20	45
SYR	679	0	0	9	17	0	537	0	60	3	9	8
TUN	20	0	0	0	1	1	23	0	0	0	1	0
UAE	0	0	0	0	0	0	2	0	0	0	0	0
YEM	1723	0	2	37	277	1	1657	0	0	43	114	587
EMR	9238	13	3	461	1475	70	9674	1	60	396	1574	836

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
AFG Total			1	16-04-17	16-04-17	



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2017 up to Week (50/17) / Ending on : (17/12/2017)

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	2802	231	35	641	1788	103	4	11	179						194		1	3			21%	99%	98%	98%	16/12/2017
Bahrain	PNL Oman	16			1	15																5%	100%		69%	18/12/2017
Djibouti	NPL Kenya	4						4																		10/04/2017
Egypt***	RRL Egypt	1150	20	5	167	900	35	23		12			1		8				6	2		12%	100%	100%	99%	14/12/2017
Iran	NPL Iran	739	11		6	696	20	6		6					9							1%	99%	100%	99%	17/12/2017
Iraq	RRL Egypt	645	18		89	497	30	12		11					14							14%	100%	100%	100%	14/12/2017
Jordan	RRL EGYPT	105	1		6	95	3								3							7%	100%	100%	75%	17/12/2017
Kuwait	RRL Kuwait	68			4	61	2	1														4%	95%		98%	14/12/2017
Lebanon	NPL Jordan	70	1		5	63	1															7%	100%		100%	17/12/2017
Libya	RRL Tunisia	79	1		6	67		5		1					1							7%	100%	100%	95%	30/11/2017
Morocco	NPL Morocco	109			7	93	4	5														7%	80%		92%	15/12/2017
Oman	NPL Oman	37			7	28	2															22%	97%		94%	18/12/2017
Pakistan	RRL Pakistan	8805	450	41	2114	6128	3	67	7	276			9		343				7	3		20%	99%	99%	97%	16/12/2017
Palestine & UNRWA		37			11	25	1															31%	29%		100%	17/12/2017
Qatar	NPL Oman	18			2	15	1															12%	100%		100%	18/12/2017
Saudi Arabia	NPL Oman	244	1		36	185		22														13%	99%		100%	04/12/2017
Somalia	NPL Kenya	330	21	4	43	253	2	7		15					20							15%	23%		100%	17/12/2017
Sudan	RRL Egypt	519	8		60	430	9	13		4					3				1			11%	100%	100%	100%	10/12/2017
Syria	RRL Egypt	321	47		12	250	9	3		3			1	33 *	8			21				4%	100%	100%	77%	14/12/2017
Tunisia	RRL Tunisia	60			5	55																7%	100%		98%	30/11/2017
U.A.E	NPL Oman	52	2		3	47				2					2							6%	100%	100%	63%	18/12/2017
Yemen	RRL Egypt	204	20	3	28	153				11					18				2			12%	100%	100%	37%	14/12/2017
Total EMR 2017		16414	832	88	3253	11844	225	172	18	520			10	34	623			22	19	2	3	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

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

** This indicator reflects surveillance and laboratory activities

Syria reported a total of 74 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	246
	PENDING								23
	WILD					17	20	2	28
AFG Total					9	95	149	185	297
EGY	NEGATIVE	416	447	412	472	452	412	528	475
	PENDING								19
	WILD			2					
	WILD & VDPV2			1		1			
EGY Total		416	447	422	475	455	415	529	494
	NEGATIVE								3
	PENDING								0
IRN Total									3
JOR	NEGATIVE							2	29
	PENDING								1
JOR Total								2	30
LEB	NEGATIVE							4	24
	PENDING								
LEB Total								4	24
PAK	NEGATIVE	77	68	151	257	237	347	462	477
	PENDING								28
	WILD	79	136	88	63	125	79	59	95
	WILD & VDPV2				2	6	5	3	1
	VDPV2					4	8	5	4
PAK Total		156	204	239	322	372	439	529	605
SOM	NEGATIVE								10
	PENDING								12
	VDPV2								2
SOM Total									24
EMR	NEGATIVE	493	515	563	738	767	888	1179	1264
	PENDING								83
	WILD	79	136	90	63	142	99	61	123
	WILD & VDPV2				2	6	5	3	1
	VDPV1			1		1			0
EMR Total	VDPV2			7	3	6	11	6	6
		572	651	661	806	922	1003	1249	1477

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		6	15-Jan	2-Dec
					PISHIN	4	2-Aug	16-Sep
				QUETTA		11	12-Feb	20-Nov
					DIKHAN	1	16-Jul	16-Jul
				PESHAWAR		10	11-Jan	10-Dec
					DERA GHAZI KHA	1	12-May	12-May
				FAISALABAD		2	3-Feb	2-Jul
					LAHORE	3	5-Aug	18-Oct
				MULTAN	2	8-Nov	8-Dec	
				RAWALPINDI	4	14-Apr	10-Dec	
				SINDH	HYDERABAD	1	5-Jan	5-Jan
					JACOBABAD	3	4-Feb	16-Aug
				KHIBALDIA	1	14-Jul	14-Jul	
				KHIGADAP	4	27-Jan	9-Mar	
	KHIGIQBAL	2	18-Jan	15-Mar				
KHILANDHI	1	14-Dec	14-Dec					
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	14	26-Jan	26-Nov	
			NANGARHAR	BEHSUD	1	24-Sep	24-Sep	
			JALALABAD	JALALABAD	7	24-Jan	25-Nov	
	AFG Total				28	24-Jan	26-Nov	
	PAK	WILD1	BALOCHISTAN	KABDULLAH		12	1-Jan	15-Oct
					LORALAI	3	17-Sep	17-Nov
				PISHIN	5	2-Jan	2-Oct	
				QUETTA	11	1-Jan	12-Oct	
				ISLAMABAD	CDA	5	10-Feb	10-Jul
				KHYBER PAKHTUNKHWA	PESHAWAR	7	10-Jan	10-Nov
				PUNJAB	MULTAN	1	9-Jan	9-Jan
					RAWALPINDI	8	10-Jan	10-Oct
				SINDH	JACOBABAD	3	11-Aug	9-Nov
					KAMBAR	1	15-Aug	15-Aug
				KHIBALDIA	1	8-Aug	8-Aug	
				KHIGADAP	18	9-Jan	12-Oct	
				KHIGIQBAL	6	3-Feb	10-Oct	
				KHIKORANGI	1	16-Oct	16-Oct	
KHILANDHI				6	16-Mar	16-Nov		
KHISITE	5	7-Aug	4-Dec					
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				100	1-Jan	4-Dec		
SOM	VDPV2	BANADIR	WABERI	2	22-Oct	2-Nov		
SOM Total				2	22-Oct	2-Nov		
2017 Total				130	1-Jan	25-Nov		



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2017 - 17/12/2017

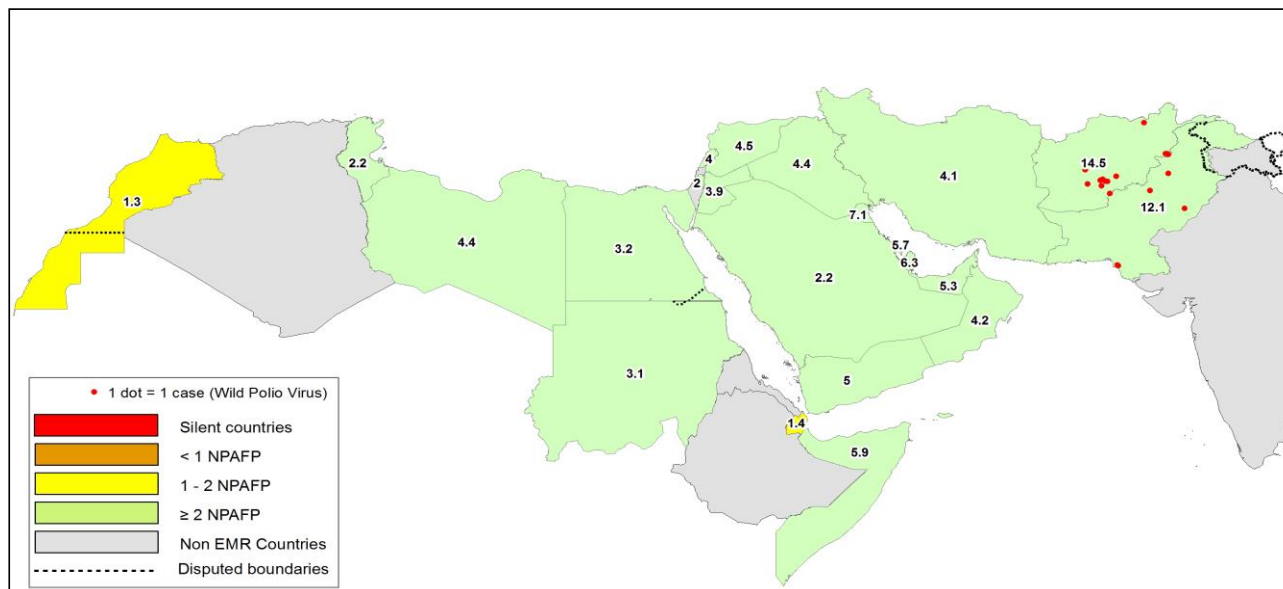


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2017 - 17/12/2017

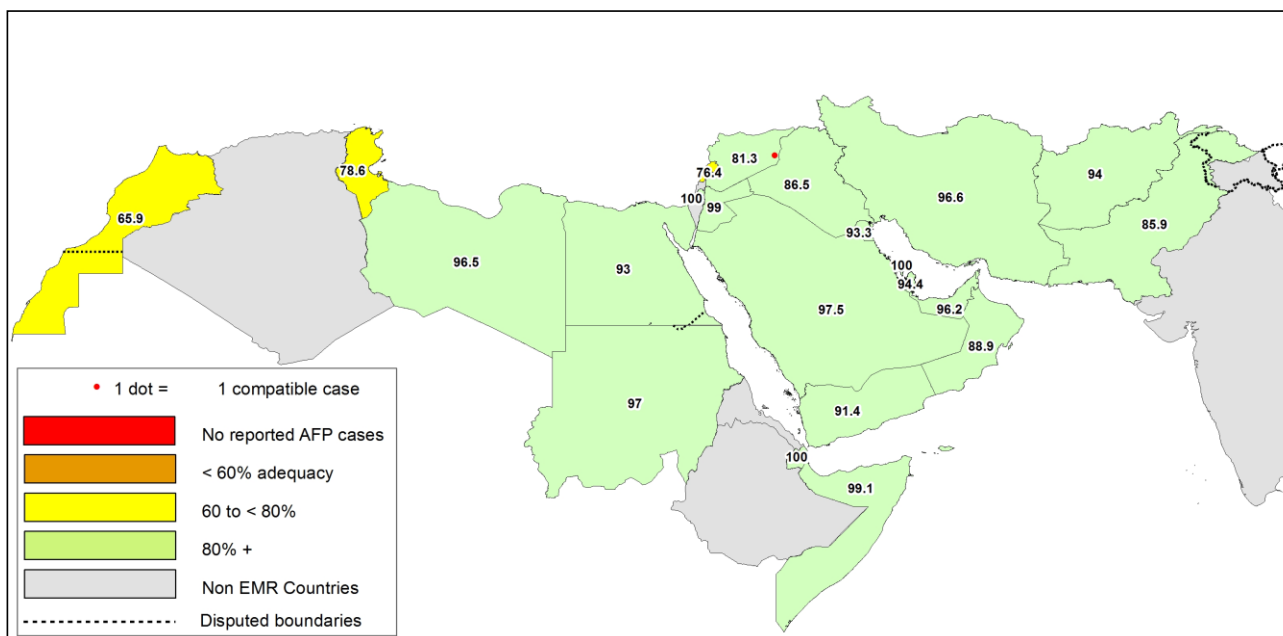


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2016 - 2017

Year	COUNTRY	P1		
		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	12	13-01-17	17-11-17
	PAK	7	28-01-17	15-11-17
2017 Total		19	13-01-17	17-11-17

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 - 17/12/2017

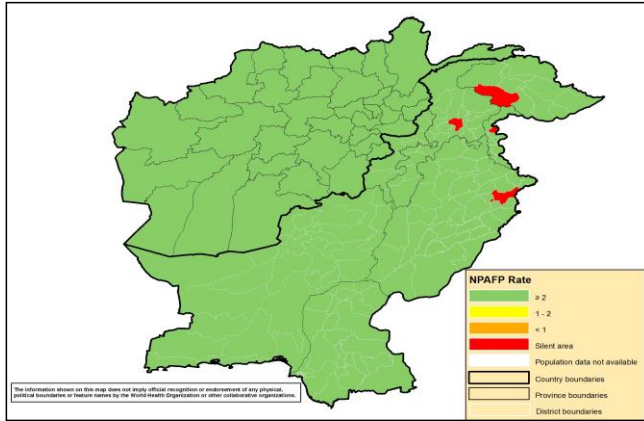


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan by Province & Pakistan by District 01/01/2017 - 17/12/2017

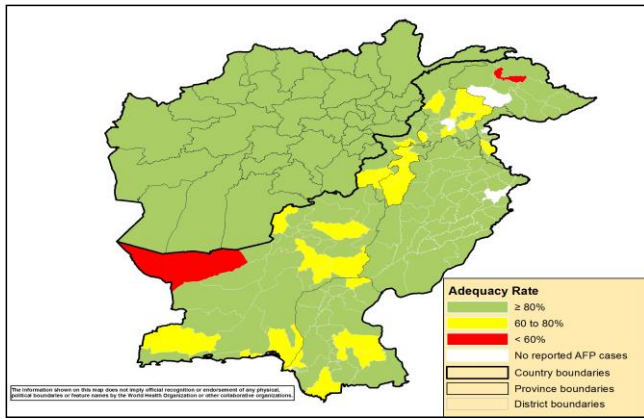
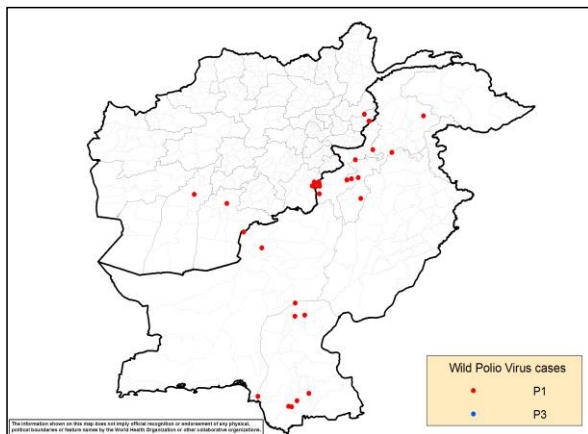


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2017 - 17/12/2017

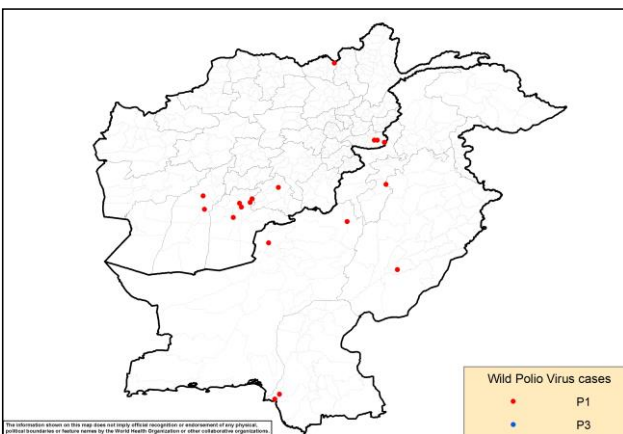




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2016-2017

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	4	19-06-17	17-11-17
		KANDAHAR	1	13-01-17	13-01-17
	NANGARHAR	MUHMAND DARA	1	05-11-17	05-11-17
		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			12	13-01-17	17-11-17

Table 10: Wild Polio cases by district and date of onset of paralysis, Pakistan 2016-2017

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
	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
	FATA	NOWSHERA	1	22-01-16	22-01-16
WAZIR-S		2	18-06-16	27-07-16	
2016 Total			20	17-01-16	22-12-16
2017	BALOCHISTAN	ZHOB	1	15-11-17	15-11-17
		KABDULAH	1	11-06-17	11-06-17
	SINDH	KHIGADAP	1	09-11-17	09-11-17
		KHIGIQBAL	1	11-08-17	11-08-17
	KHYBER PAKHTOON	LAKKIMRWT	1	21-08-17	21-08-17
	GILGIT BALTISTAN	DIAMER	1	13-02-17	13-02-17
PUNJAB	LODHRAN	1	28-01-17	28-01-17	
2017 Total			7	28-01-17	15-11-17

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	12	25-06-17	21-09-17
		DEIR_AL_ZOUR	MAYADEEN	58	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				74	05-03-17	21-09-17
2017 Total				74	05-03-17	21-09-17



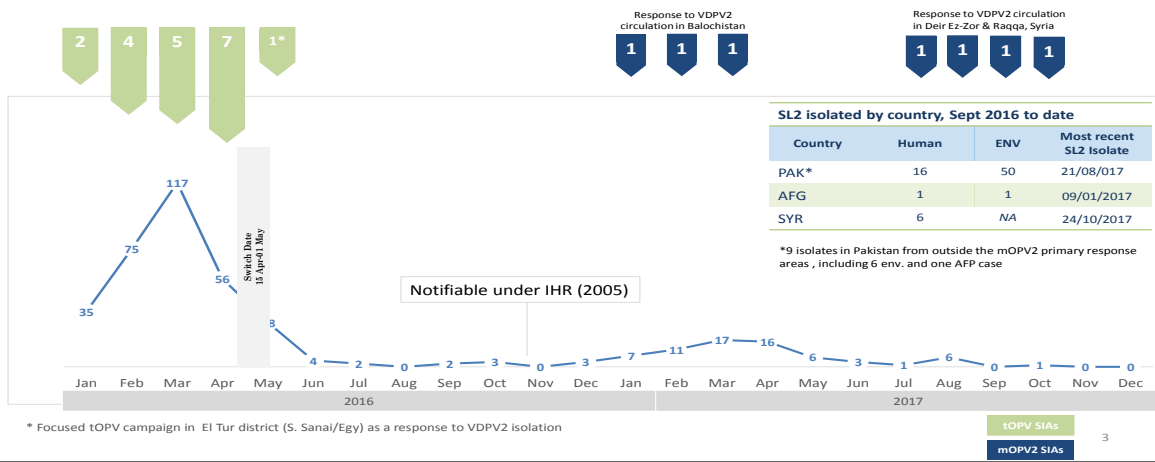
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016 - 2017

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	Dec				
	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																							
	Contact	1																							
	ENV										1														
	Others*																								
BAH	AFP																								
	Contact																								
	Others*																								
	DJI	AFP																							
Contact																									
Others*																									
EGY		AFP	1																						
	Contact											1													
	ENV	8																							
	Others*	1		1																					
IRN	AFP	1																							
	Contact																								
	Others*																								
	IRQ	AFP																							
Contact																									
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																						
Contact		1																							
ENV		9	1	3	1	1																			
Others*																									
PNA	AFP																								
	Contact																								
	Others*																								
	QAT	AFP																							
Contact																									
Others*																									
SAA		AFP																							
	Contact																								
	Others*																								
	SUD	AFP																							
Contact																									
Others*																									
SOM		AFP																							
	Contact																								
	ENV																								
	Others*																								
SYR	AFP	1																							
	Contact																								
	Others*																								
	TUN	AFP																							
Contact																									
Others*																									
UAE		AFP																							
	Contact																								
	Others*																								
	YEM	AFP	1	1**																					
Contact		1	1**																						
Others*																									
EMR		AFP	8	1	1																				
	Contact	3	1																						
	ENV	17	1	3	1	1																			
	Others*	1																							

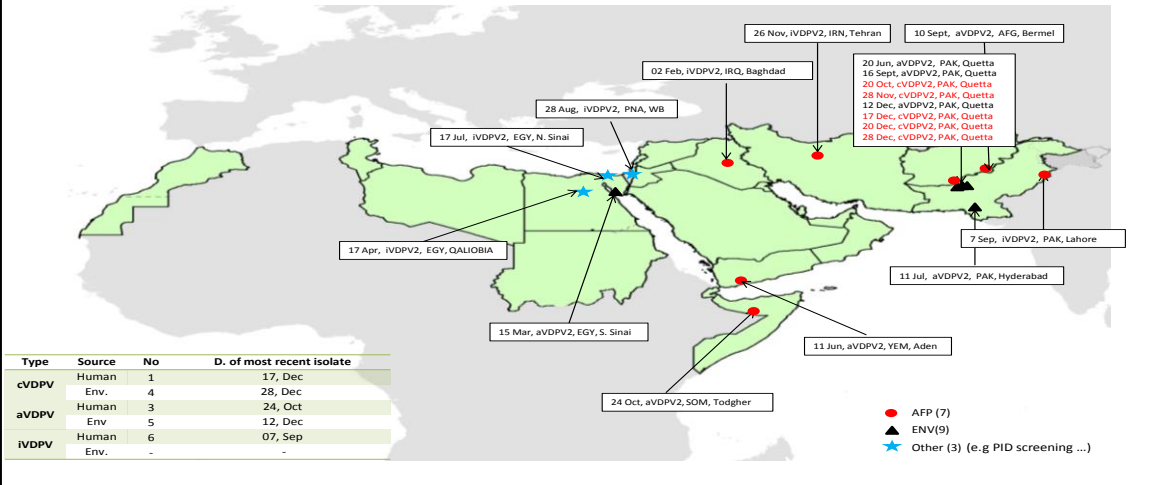
VDPV2 SL2
 *Other: Healthy children, PIDs
 ** VDP2 isolated from index and contact at the sam



Sabin Like Type-2 Poliovirus Isolates (H & E) EMR, 2016 -17



VDPV2 isolates, EMR countries, 2016



VDPV2 isolates, EMR countries, 2017

