



AFP SURVEILLANCE

25-Dec-17

Week 51, ending 24 December 2017

Number 1003

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

Country	Reported AFP cases by week of onset - Week (51/17) / Ending on : 24/12/2017														
	Total AFP 2015	Total AFP 2016	Total AFP to date, 2017	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	W51 24 Dec 17
Afghanistan	2738	2905	2938	51	55	62	49	63	55	53	48	61	75	40	3
Bahrain	19	14	16	1	0	0	0	0	0	1	0	0	0	0	0
Djibouti	3	3	4												
Egypt	1046	1092	1184	31	24	17	15	24	23	22	21	14	36	6	
Iran	780	776	752	17	22	14	20	17	9	16	12	20	8	5	
Iraq	520	605	652	20	15	19	5	8	14	11	12	17	15	6	
Jordan ****	90	107	116	4	4	2	0	2	1	0	5	2	5	6	3
Kuwait	32	50	60	0	1	4	2	1	5	3	1	1	0	1	
Lebanon ****	113	111	73	1	0	1	2	1	2	1	1	0	0	1	
Libya	54	70	86	1	2	3	2	4	0	4	2	1	2	0	
Morocco	79	84	134	7	3	3	5	3	6	3	5	2	4	1	
Oman	39	39	36	1	1	2	4	2	1	0	1	2	0		
Pakistan	5817	7850	9256	226	186	188	213	161	165	195	169	85	40	12	1
Palestine ****	38	46	37	2	2	1	0	1	1	2	0	1	0	0	
Qatar	11	9	18	0	1	0	1	1	1	1	0	0	1	0	0
Saudi Arabia	254	273	212	12	5	4	0	0	2	2	1	2	3	1	0
Somalia	281	316	334	6	3	4	6	11	5	6	2	6	3	1	0
Sudan	436	509	552	10	21	13	11	14	12	13	12	18	6	7	0
Syria ****	235	303	344	4	5	5	4	5	7	8	2	4	3	1	
Tunisia	64	90	56	2	0	0	3	1	0	1	0	0	0		
U.A.E	31	42	54	2	3	2	5	3	0	1	1	2	0	0	
Yemen	537	715	676	16	22	15	13	13	20	14	15	16	11	3	
Total EMR	13217	16009	17590	414	375	359	360	335	329	357	310	254	212	91	7

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2015	Total year 2016	24/12		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	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	20	8	1	1	0	0	0	1	0	2	0	0	3	
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	0	0	0	0	0	0	0	0		
Somalia	0	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 ****	0	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	0		
Total EMR	74	33	33	20	3	2	0	1	0	2	1	2	1	3	5	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 (51/17) / Ending on : 24/12/2017

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	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	2938	12	0	201	2725	0	14.5	18	4	93.8	12	0	17-12-2017				
Bahrain	14	0	0	0	14	0	4.9	0	0	100.0	0	0	16	0	0	1	15	0	5.6	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	1184	0	0	90	1093	1	3.2	3	0	93.1	0	0	10-12-2017				
Iran	776	0	0	0	775	1	4.2	0	0	95.5	0	0	752	0	0	11	740	0	4.1	0	0	96.9	0	0	17-12-2017				
Iraq	605	0	0	0	604	1	4.2	0	0	80.7	0	0	652	0	0	75	577	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	116	0	0	39	77	0	4.3	7	0	95.7	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	7.0	0	0	93.3	0	0	17-12-2017				
Lebanon	111	0	0	0	111	0	5.8	0	0	82.9	0	0	73	0	0	11	62	0	3.9	6	0	76.7	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	4.3	1	1	96.5	0	0	16-12-2017				
Morocco	84	0	0	0	84	0	0.8	0	0	61.9	0	0	134	0	0	46	88	0	1.3	27	0	66.4	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	4.1	0	0	88.9	0	0	10-12-2017				
Pakistan	7850	20	5	2	7821	2	10.0	0	0	87.0	20	0	9256	8	0	1500	7748	0	12.1	293	0	84.0	8	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	2	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	5	13	0	6.2	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	212	0	0	127	85	0	2.2	98	94	97.6	0	0	17-12-2017				
Somalia	316	0	0	0	315	1	5.5	0	0	99.1	0	0	334	0	0	7	327	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	552	0	0	23	529	0	3.1	0	0	96.7	0	0	17-12-2017				
Syria	303	0	0	0	303	0	3.9	0	0	87.8	0	0	344	0	1	19	250	74	4.5	3	0	81.4	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	2.1	1	1	78.6	0	0	15-12-2017				
U.A.E	42	0	0	0	42	0	4.2	0	0	100.0	0	0	54	0	0	2	52	0	5.4	0	0	96.3	0	0	18-12-2017				
Yemen	715	0	0	0	714	1	5.4	0	0	90.9	0	0	676	0	0	210	466	0	5.0	43	32	91.3	0	0	16-12-2017				
EMR	16009	33	5	2	15961	8	6.4	0	0	89.6	33	0	17590	20	1	2402	15091	75	7.2	522	138	88.1	20	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	1364	1	0	85	337	41
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	423	0	0	9	57	29
IRN	170	0	0	3	6	0	113	0	0	3	0	0
IRQ	658	0	0	28	102	6	696	0	0	13	93	51
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	2505	5	0	181	525	0	3463	2	0	208	848	14
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	1005	0	0	36	109	21
SUD	228	0	0	0	18	19	343	0	0	5	22	55
SYR	679	0	0	9	17	0	540	0	60	3	9	9
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	1678	0	0	43	114	608
EMR	9239	13	3	461	1475	70	9903	3	60	408	1616	873

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 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
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 (51/17) / Ending on : (24/12/2017)

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	2877	232	35	648	1833	129		11	180						195		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	1190	20	5	172	929	53	11		12			1		8				6	2		12%	100%	100%	99%	14/12/2017
Iran	NPL Iran	759	11		6	723	18	1		6					9							1%	99%	100%	99%	17/12/2017
Iraq	RRL Egypt	657	18		90	511	29	10		11					14							14%	100%	100%	100%	14/12/2017
Jordan	RRL EGYPT	107	1		6	98	2								3							7%	100%	100%	75%	17/12/2017
Kuwait	RRL Kuwait	73			4	63	5	1														4%	96%		99%	14/12/2017
Lebanon	NPL Jordan	70	1		5	64																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	113			7	100	6															6%	81%		92%	15/12/2017
Oman	NPL Oman	37			7	28	1	1														22%	97%		94%	18/12/2017
Pakistan	RRL Pakistan	9035	472	46	2181	6303	24	7	8	292			9		362				7			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	334	21	4	45	257	2	5		15					20							15%	23%		100%	17/12/2017
Sudan	RRL Egypt	552	9		66	459	18	1		4					3				1			11%	100%	100%	100%	10/12/2017
Syria	RRL Egypt	326	47		12	255	12			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		16844	856	93	3341	12185	300	69	19	537			10	34	643			22	19	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

***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	253
	PENDING								16
	WILD					17	20	2	28
AFG Total					9	95	149	185	297
EGY	NEGATIVE	416	447	412	472	452	412	528	487
	PENDING								21
	WILD			2					
	VDPV1			1		1			
	VDPV2			7	3	2	3	1	
EGY Total		416	447	422	475	455	415	529	508
IRN	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	484
	PENDING								38
	WILD	79	136	88	63	125	79	59	96
	WILD & VDPV2				2	6	5	3	1
	VDPV2					4	8	5	4
PAK Total		156	204	239	322	372	439	529	623
SOM	NEGATIVE								10
	PENDING								12
	VDPV2								2
SOM Total									24
EMR	NEGATIVE	493	515	563	738	767	888	1179	1290
	PENDING								88
	WILD	79	136	90	63	142	99	61	124
	WILD & VDPV2				2	6	5	3	1
	VDPV1			1		1			0
	VDPV2			7	3	6	11	6	6
EMR Total		572	651	661	806	922	1003	1249	1509

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	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			
						4	2-Aug	16-Sep			
					QUETTA	11	12-Feb	20-Nov			
				KHYBER PAKHTUNKHW	DIKHAN	1	16-Jul	16-Jul			
					PESHAWAR	10	11-Jan	10-Dec			
					DERA GHAZI KHA	1	12-May	12-May			
				PUNJAB	FAISALABAD	2	3-Feb	2-Jul			
					LAHORE	3	5-Aug	18-Oct			
					MULTAN	2	8-Nov	8-Dec			
				SINDH	RAWALPINDI	4	14-Apr	10-Dec			
					HYDERABAD	1	5-Jan	5-Jan			
					JACOBABAD	3	4-Feb	16-Aug			
KHIBALDIA					1	14-Jul	14-Jul				
KHIGADAP					4	27-Jan	9-Mar				
KHIGQBAL					2	18-Jan	15-Mar				
WILD1+VDPV2	BALOCHISTAN	QUETTA	KHILANDHI	1	14-Dec	14-Dec					
			SUKKUR	3	12-Jan	19-Mar					
			QUETTA	3	20-Oct	12-Dec					
		VDPV2	BALOCHISTAN	4	20-Jun	28-Dec					
			SINDH	1	11-Jul	11-Jul					
			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	1	25-Oct	25-Oct				
				KANDAHAR	14	26-Jan	26-Nov				
				NANGARHAR	1	24-Sep	24-Sep				
				JALALABAD	7	24-Jan	25-Nov				
				AFG Total					28	24-Jan	26-Nov
				PAK	WILD1	BALOCHISTAN	KABDULLAH		12	1-Jan	15-Oct
		3	17-Sep					17-Nov			
	PISHIN	5	2-Jan					2-Oct			
	ISLAMABAD	QUETTA	11				1-Jan	12-Oct			
		CDA	5				10-Feb	10-Jul			
		KHYBER PAKHTUNKHW	PESHAWAR				7	10-Jan	10-Nov		
	PUNJAB	MULTAN	1				9-Jan	9-Jan			
		RAWALPINDI	8				10-Jan	10-Oct			
		JACOBABAD	3				11-Aug	9-Nov			
	SINDH	KAMBAR	1				15-Aug	15-Aug			
		KHIBALDIA	1				8-Aug	8-Aug			
		KHIGADAP	19				9-Jan	13-Nov			
		KHIGQBAL	6				3-Feb	10-Oct			
		KHIKORANGI	1				16-Oct	16-Oct			
		KHILANDHI	6				16-Mar	16-Nov			
	WILD1+VDPV2	BALOCHISTAN	QUETTA	KHISITE	5	7-Aug	4-Dec				
SUKKUR				2	11-Apr	19-Sep					
KABDULLAH				1	15-Jul	15-Jul					
VDPV2			BALOCHISTAN	1	2-May	2-May					
			QUETTA	3	3-Apr	29-May					
			PAK Total					101	1-Jan	4-Dec	
			SOM	VDPV2	BANADIR	WABERI	2	22-Oct	2-Nov		
SOM Total					2	22-Oct	2-Nov				
2017 Total					131	1-Jan	25-Nov				



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2017 - 24/12/2017

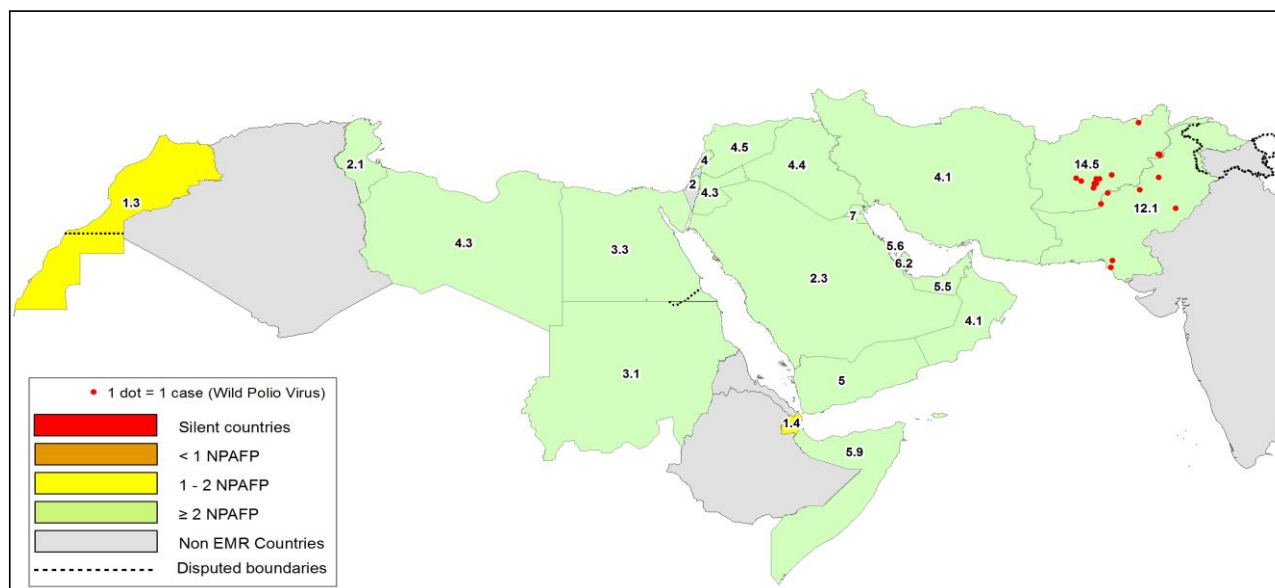


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2017 - 24/12/2017

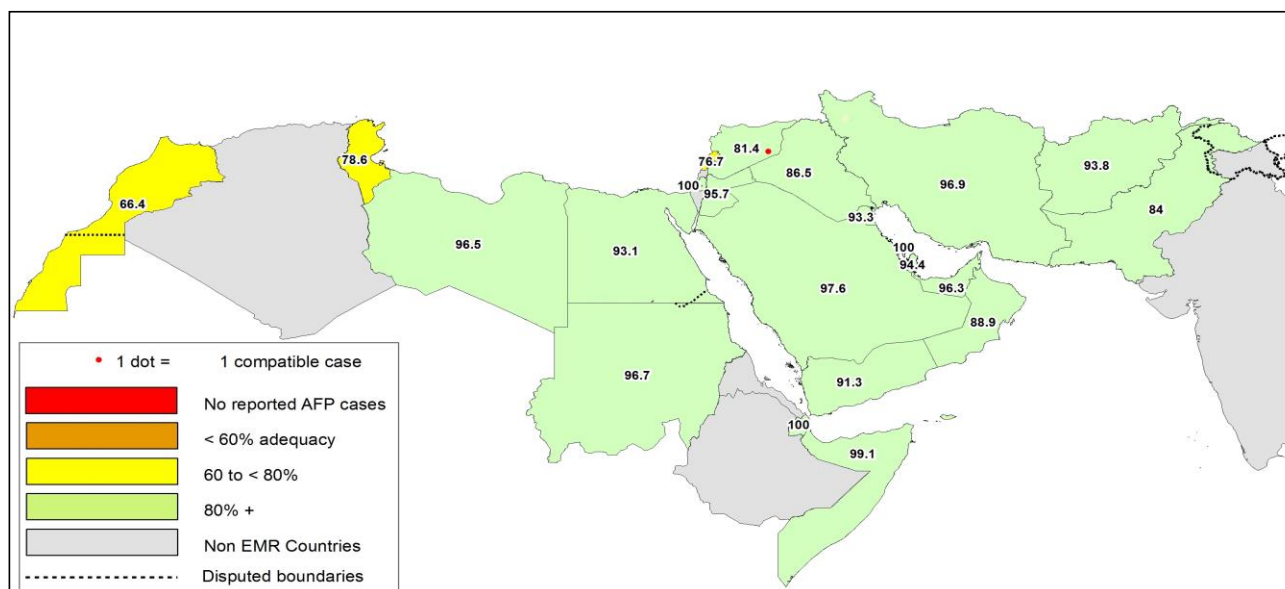


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2016 - 2017

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	8	28-01-17	15-11-17
2017 Total		20	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 - 24/12/2017

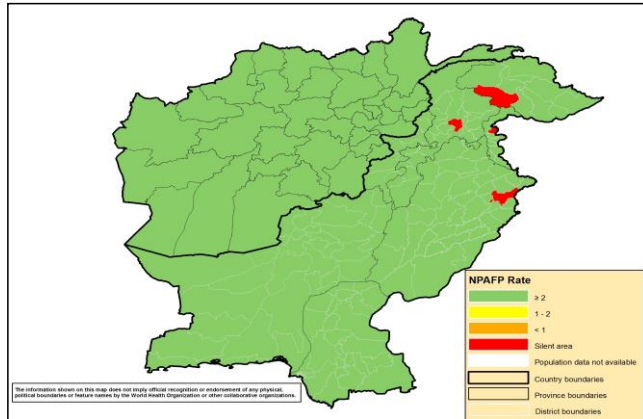


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan by Province & Pakistan by District 01/01/2017 - 24/12/2017

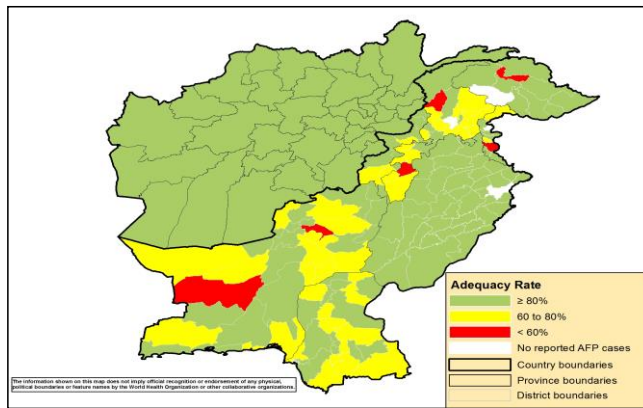
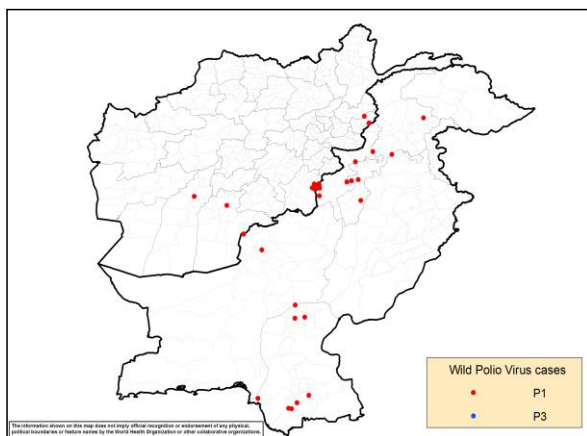


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2017 - 24/12/2017

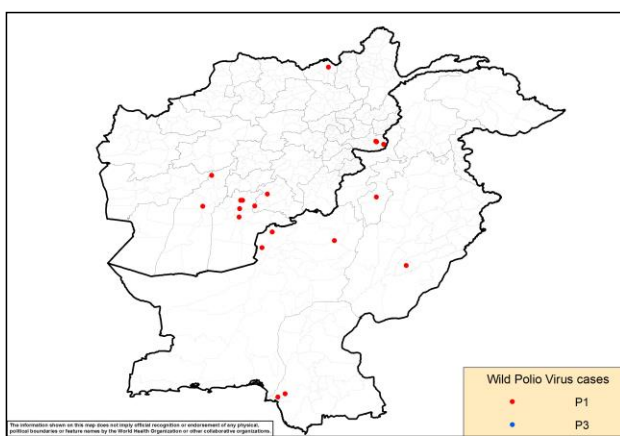




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2016-2017

ONSETYR	COUNTRY	PROVINCE	DISTRICT	Count	First case	Last case
2016	AFG	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
		AFG Total			13	23-01-16
2016 Total				13	23-01-16	16-12-16
2017	AFG	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	COUNTRY	PROVINCE	DISTRICT	Count	First case	Last case
2016	PAK	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
			NOWSHERA	1	22-01-16	22-01-16
			FATA	WAZIR-S	2	18-06-16
2016 Total				20	17-01-16	22-12-16
2017	PAK	BALOCHISTAN	ZHOB	1	15-11-17	15-11-17
			KABDULAH	2	11-06-17	13-11-17
		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				8	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
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



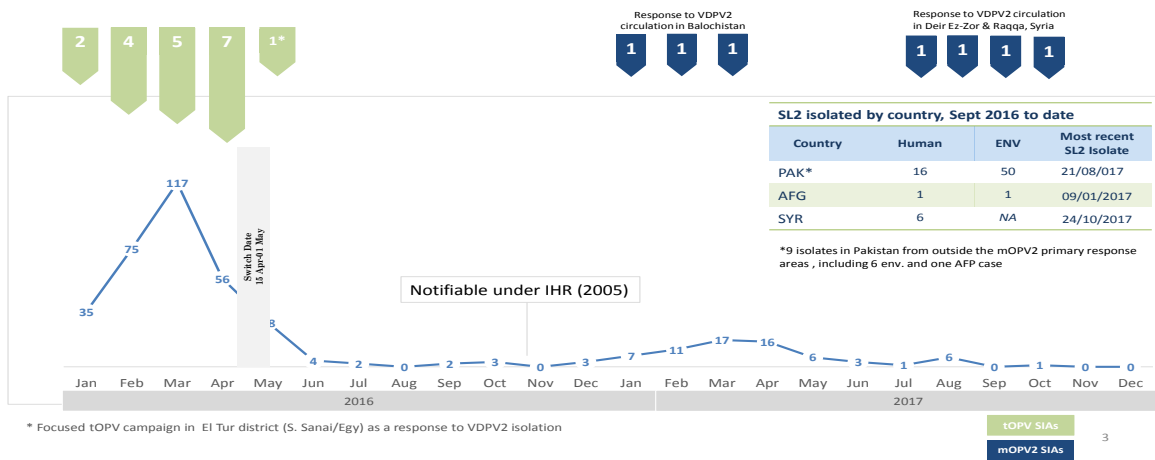
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016 - 2017

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						1	1																		
	Contact	1																									
	ENV										1																
	Others*																										
BAH	AFP																										
	Contact																										
	ENV																										
	Others*																										
DJI	AFP																										
	Contact																										
	ENV																										
	Others*																										
EGY	AFP	1										1															
	Contact																										
	ENV	8																									
	Others*	1		1																							
IRN	AFP	1								1																	
	Contact																										
	ENV																										
	Others*																										
IRQ	AFP									1																	
	Contact													1													
	ENV																										
	Others*																										
JOR	AFP																										
	Contact																										
	ENV																										
	Others*																										
KWT	AFP																										
	Contact																										
	ENV																										
	Others*																										
LEB	AFP																										
	Contact																										
	ENV																										
	Others*																										
LIB	AFP																										
	Contact																										
	ENV																										
	Others*																										
MOR	AFP																										
	Contact																										
	ENV																										
	Others*																										
OMA	AFP																										
	Contact																										
	ENV																										
	Others*																										
PAK	AFP	3					1				1	2		1		5	1			1							
	Contact	1																									
	ENV	9	1	3	1	1		1	1	2	1		3		5	1	9	11	1	10	3	6	3				
	Others*																						2				
PNA	AFP																										
	Contact																										
	ENV																										
	Others*				1																						
QAT	AFP																										
	Contact																										
	ENV																										
	Others*																										
SAA	AFP																										
	Contact																										
	ENV																										
	Others*																										
SUD	AFP																										
	Contact																										
	ENV																										
	Others*																										
SOM	AFP			1		1				1																	
	Contact																										
	ENV																					1	1				
	Others*																										
SYR	AFP	1												2		4	15	12	8	22	2	3					
	Contact																										
	ENV																										
	Others*																										
TUN	AFP																										
	Contact																										
	ENV																										
	Others*																										
UAE	AFP																										
	Contact																										
	ENV																										
	Others*																										
YEM	AFP	1	1**																								
	Contact	1	1**																								
	ENV																										
	Others*																										
EMR	AFP	8	1	1		1		2	1	1	1	1	1	3	1	1	1	2	5	4	1	15	12	8	22	3	3
	Contact	3	1																								
	ENV	17	1	3	1	1		1	1	1	2	1		3		6		9	11	1	10	3	6	3	1	1	2
	Others*	1				1		1																			

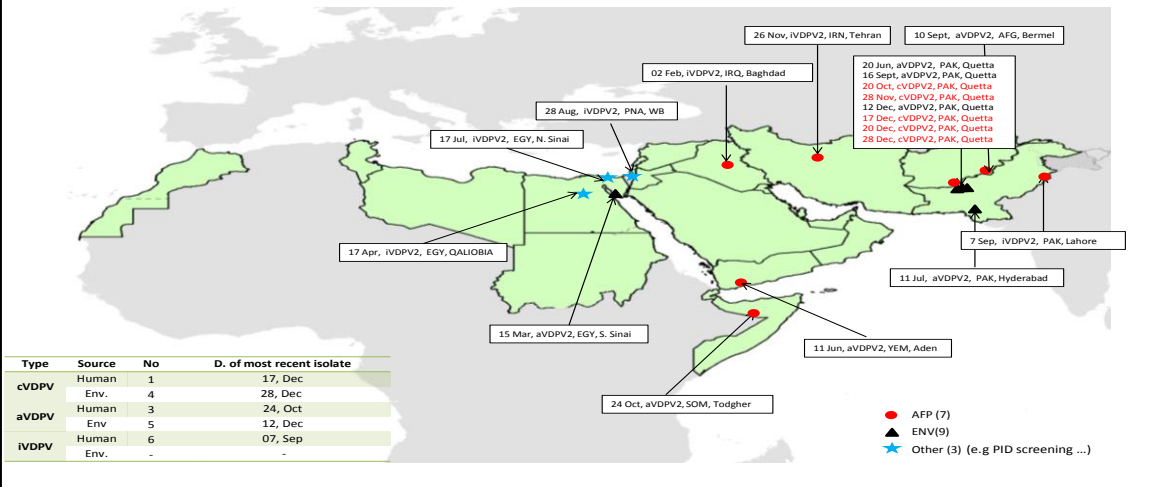
VDPV2 SL2
 *Other: Healthy children, PIDs
 ** VDP2 isolated from index and contact at the sam



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



VDPV2 isolates, EMR countries, 2016



VDPV2 isolates, EMR countries, 2017

