



World Health Organization – Regional Office for Eastern Mediterranean

AFP SURVEILLANCE

Week 03, ending 21 January 2018

22-Jan-18

Number 1007

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

Country	Reported AFP cases by week of onset - Week (03/18) / Ending on : 21/01/2018														
	Total AFP 2016	Total AFP 2017	Total AFP to date, 2018	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	W52 31 Dec 17	W01 07 Jan 18	W02 14 Jan 18	W03 21 Jan 18
Afghanistan	2905	3089	105	63	55	54	48	64	81	74	53	57	65	40	0
Bahrain	14	18	0	0	0	1	0	0	1	1	0	0	0	0	
Djibouti	3	4	0												
Egypt	1092	1240	41	24	23	22	21	14	37	30	20	11	25	16	
Iran	776	820	26	17	9	15	13	21	17	23	17	22	22	4	
Iraq	605	695	29	8	14	11	12	17	17	16	13	18	25	4	
Jordan ****	107	116	8	2	1	0	5	2	5	5	4	0	4	3	1
Kuwait	50	68	1	1	5	3	1	1	1	4	2	2	0	1	
Lebanon ****	111	77	3	1	2	1	1	0	0	2	1	2	1	1	1
Libya	70	88	4	4	0	4	2	1	2	0	0	2	4	0	
Morocco	84	139	9	3	6	3	5	2	5	1	1	4	8	1	
Oman	39	40	0	2	1	0	0	3	2	0	1	1	0	0	
Pakistan	7848	10094	228	165	177	207	207	158	188	248	197	99	180	48	
Palestine ****	46	41	0	2	2	2	1	1	0	0	1	0			
Qatar	9	18	0	1	1	1	0	0	1	0	0	0			
Saudi Arabia	273	233	0	0	2	7	7	6	6	2	2	0	0	0	
Somalia	316	345	7	11	5	6	2	6	4	5	3	3	5	2	
Sudan	509	569	9	14	12	14	12	18	8	12	3	5	9	0	
Syria ****	303	358	7	5	7	8	2	6	4	6	3	3	6	1	
Tunisia	90	65	0	1	1	1	0	1	2	1	1	0	0	0	
U.A.E	42	58	1	3	0	1	1	2	1	1	1	1	1	0	
Yemen	715	711	21	13	20	14	18	16	15	9	13	9	15	6	
Total EMR	16007	18886	499	340	343	375	358	339	397	440	336	239	370	127	2

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2016	Total year 2017	21/01		Confirmed polio cases by month of onset											
			2017	2018	February 2017	March 2017	April 2017	May 2017	June 2017	July 2017	August 2017	September 2017	October 2017	November 2017	December 2017	January 2018
Afghanistan	13	14	2	1	1	0	1	0	1	1		1	3	2	2	1
Bahrain	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			
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	20	8	0	0	1	0	0	0	1	0	2	0	0	3		
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			
Saudi Arabia	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	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						
Total EMR	33	23	2	1	2	0	1	0	2	1	2	1	3	5	2	1

**** 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 (03/18) / Ending on : 21/01/2018)

COUNTRY	2017												2018												Latest line List Date
	AFP									Specimen	Wild cases ****		AFP									Specimen	Wild cases ****		
	Total AFP cases onset 2017	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 2018	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	3089	14	0	89	2986	0	14.9	24	6	93.7	14	0	105	1	0	103	1	0	8.8	0	0	98.1	1	0	21/01/2018
Bahrain	18	0	0	3	15	0	6.2	0	0	100.0	0	0	0	0	0	0	0	0	0.0	0	0		0	0	18/01/2018
Djibouti	4	0	0	4	0	0	1.3	4	4	100.0	0	0	0	0	0	0	0	0	0.0	0	0		0	0	10/04/2017
Egypt	1240	0	0	65	1173	1	3.3	5	0	94.4	0	0	41	0	0	41	0	0	1.9	0	0	14.6	0	0	18/01/2018
Iran	820	0	0	4	816	0	4.3	0	0	97.0	0	0	26	0	0	20	5	0	2.4	0	0	100.0	0	0	20/01/2018
Iraq	695	0	0	27	668	0	4.6	5	1	86.9	0	0	29	0	0	25	4	0	3.4	0	0	93.1	0	0	18/01/2018
Jordan	116	0	0	24	92	0	4.2	2	0	100.0	0	0	8	0	0	8	0	0	5.1	0	0	100.0	0	0	18/01/2018
Kuwait	68	0	0	5	63	0	7.4	0	0	94.1	0	0	1	0	0	1	0	0	1.9	0	0	0.0	0	0	14/01/2018
Lebanon	77	0	0	13	64	0	4.1	6	0	77.9	0	0	3	0	0	3	0	0	2.8	0	0	66.7	0	0	19/01/2018
Libya	88	0	0	3	85	0	4.3	1	1	96.6	0	0	4	0	0	4	0	0	2.8	0	0	100.0	0	0	20/01/2018
Morocco	139	0	0	45	94	0	1.3	31	0	66.2	0	0	9	0	0	9	0	0	1.3	0	0	66.7	0	0	19/01/2018
Oman	40	0	0	3	37	0	4.5	0	0	90.0	0	0	0	0	0	0	0	0	0.0	0	0		0	0	14/01/2018
Pakistan	10094	8	0	2114	7971	0	12.9	426	0	85.0	8	0	228	0	0	228	0	0	5.1	0	0	93.9	0	0	20/01/2018
Palestine	41	0	0	10	31	0	2.2	1	0	97.6	0	0	0	0	0	0	0	0	0.0	0	0		0	0	31/12/2017
Qatar	18	0	0	5	13	0	6.1	0	0	94.4	0	0	0	0	0	0	0	0	0.0	0	0		0	0	24/12/2017
Saudi Arabia	233	0	0	140	93	0	2.4	107	104	98.3	0	0	0	0	0	0	0	0	0.0	0	0		0	0	18/01/2018
Somalia	345	0	0	3	342	0	6.0	1	1	99.1	0	0	7	0	0	7	0	0	2.1	0	0	100.0	0	0	20/01/2018
Sudan	569	0	0	16	553	0	3.2	1	0	96.5	0	0	9	0	0	9	0	0	0.9	0	0	88.9	0	0	14/01/2018
Syria	358	0	1	15	268	74	4.6	1	0	81.6	0	0	7	0	0	7	0	0	1.6	0	0	71.4	0	0	20/01/2018
Tunisia	65	0	0	2	63	0	2.4	0	0	73.8	0	0	0	0	0	0	0	0	0.0	0	0		0	0	19/01/2018
U.A.E	58	0	0	4	54	0	5.7	0	0	96.6	0	0	1	0	0	1	0	0	1.7	0	0	100.0	0	0	18/01/2018
Yemen	711	0	0	246	465	0	5.2	106	88	90.6	0	0	21	0	0	21	0	0	2.6	0	0	95.2	0	0	20/01/2018
EMR	18886	22	1	2840	15946	75	7.5	721	205	88.6	22	0	499	1	0	487	10	0	3.4	0	0	87.6	1	0	
2016	16008	33	5	1	15961	8	6.4	0	0	89.6	33	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, 2017 - 2018

COUNTRY	2017						2018					
	# OF CONTACTS	LAB RESULTS					# OF CONTACTS	LAB RESULTS				
		WILD	VDPV	SL	NPEV	PENDING		WILD	VDPV	SL	NPEV	PENDING
AFG	1426	1	0	86	347	14	50	0	0	0	2	44
BAH	2	0	0	0	0	0	0	0	0	0	0	0
DJI	0	0	0	0	0	0	0	0	0	0	0	0
EGY	450	0	0	9	60	38	5	0	0	0	0	5
IRN	143	0	0	5	1	0	2	0	0	0	0	0
IRQ	698	0	0	13	101	16	17	0	0	0	0	15
JOR	2	0	0	0	0	0	0	0	0	0	0	0
KUW	8	0	0	0	0	2	0	0	0	0	0	0
LEB	92	0	0	2	3	21	12	0	0	0	0	12
LIB	4	0	0	0	0	1	0	0	0	0	0	0
MOR	84	0	0	0	7	0	0	0	0	0	0	0
OMA	103	0	0	1	20	9	0	0	0	0	0	0
PAK	3665	2	0	221	886	0	0	0	0	0	0	0
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	1032	0	0	36	113	6	27	0	0	0	0	24
SUD	382	0	0	6	30	52	10	0	0	0	0	10
SYR	570	0	62	3	11	8	9	0	0	0	0	9
TUN	26	0	0	0	1	0	0	0	0	0	0	0
UAE	2	0	0	0	0	0	0	0	0	0	0	0
YEM	1736	0	0	43	114	666	7	0	0	0	0	7
EMR	10425	3	62	425	1694	833	139	0	0	0	2	126

Table 4 (B): Most recent wild contacts in EMRO, 2017 - 2018

Year	Country	Data	
		Count of wild contacts	Date of Most Recent stool collection
2017	Pakistan	2	04-12-17
	Afghanistan	1	21-05-17
2017 Total		3	04-12-17

Table 4 (C): Number and distribution by district of -ve index AFP cases identified as wild positive by contact in EMR, 2017-2018

YEAR	COUNTRY	PROVINCE	DISTRICT	COUNT	First case	Last case
2017	AFG	HILMAND	NAWZAD	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 (03/18) / Ending on : (21/01/2018)

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	87	1			1	85		1												20%	100%	100%	100%	20/01/2018	
Bahrain	PNL Oman																								15/01/2018	
Djibouti	NPL Kenya																								10/04/2017	
Egypt***	RRL Egypt	34					34														0%				18/01/2018	
Iran	NPL Iran	48	1			13	34						1								0%	100%	100%	100%	20/01/2018	
Iraq	RRL Egypt	29				4	25														0%	100%			18/01/2018	
Jordan	RRL EGYPT	7				4	3														0%	100%			18/01/2018	
Kuwait	RRL Kuwait																				0%				21/01/2018	
Lebanon	NPL Jordan																								18/01/2018	
Libya	RRL Tunisia	1					1																		12/01/2018	
Morocco	NPL Morocco	7					7																		12/01/2018	
Oman	NPL Oman																				0%				15/01/2018	
Pakistan	RRL Pakistan																								20/01/2018	
Palestine & UNRWA																									31/12/2017	
Qatar	NPL Oman																								15/01/2018	
Saudi Arabia	NPL Oman																								18/01/2018	
Somalia	NPL Kenya	7					4	3																	20/01/2018	
Sudan	RRL Egypt	20				1	19														0%	100%			18/01/2018	
Syria	RRL Egypt	1					1																		20/01/2018	
Tunisia	RRL Tunisia	3					3																		12/01/2018	
U.A.E	NPL Oman																								15/01/2018	
Yemen	RRL Egypt																								18/01/2018	
Total EMR 2018		244	2			23	216	3	1				1								2%	100%	100%	100%		
Total EMR 2017		17845	919	100	3523	13190	62	49	21	577			10	34 *		687		23	24	2	17%	98%	99%	96%		

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

* In 2017, 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	2018
AFG	NEGATIVE				9	78	129	183	274	
	PENDING								3	8
	WILD					17	20	2	39	
AFG Total					9	95	149	185	316	8
EGY	NEGATIVE	416	447	412	472	452	412	528	520	5
	PENDING									12
	WILD			2						
	VDPV1			1		1				
	VDPV2			7	3	2	3	1		
EGY Total		416	447	422	475	455	415	529	520	17
IRN	NEGATIVE								3	
	PENDING									3
IRN Total									3	3
JOR	NEGATIVE							2	29	
	PENDING								2	2
JOR Total								2	31	2
LEB	NEGATIVE							4	25	
	PENDING								2	
LEB Total								4	27	0
PAK	NEGATIVE	77	68	151	257	237	347	462	522	3
	PENDING								1	33
	WILD	79	136	88	63	125	79	59	105	2
	WILD & VDPV2				2	6	5	3	1	
	VDPV2					4	8	5	4	
PAK Total		156	204	239	322	372	439	529	633	38
SOM	NEGATIVE								19	
	PENDING								14	8
	VDPV2								2	
SOM Total									35	8
EMR	NEGATIVE	493	515	563	738	767	888	1179	1392	8
	PENDING								22	66
	WILD	79	136	90	63	142	99	61	144	2
	WILD & VDPV2				2	6	5	3	1	0
	VDPV1			1		1				0
	VDPV2			7	3	6	11	6	6	0
EMR Total		572	651	661	806	922	1003	1249	1565	76

Table 7: Environmental Wild/VDPV isolate by site

Year	COUNTRY	STATUS	PROVINCE	DISTRICT	Count	First date	Last date	
2017	AFG	WILD1	HILMAND	LASHKARGAH	7	26-Apr	6-Dec	
				KABUL	1	25-Oct	25-Oct	
				KANDAHAR	17	26-Jan	27-Dec	
				KUNAR	1	25-Dec	25-Dec	
				NANGARHAR	3	24-Sep	26-Dec	
				JALALABAD	10	24-Jan	26-Dec	
	AFG Total					39	24-Jan	27-Dec
	PAK	WILD1	BALOCHISTAN	KABDULLAH	12	1-Jan	15-Oct	
				LORALAI	3	17-Sep	17-Nov	
				PISHIN	5	2-Jan	2-Oct	
				QUETTA	12	1-Jan	20-Dec	
				ZHOB	1	18-Dec	18-Dec	
				ISLAMABAD	5	10-Feb	10-Jul	
				KHYBER PAKHTUNKHWA	8	10-Jan	11-Dec	
				PUNJAB	1	18-Dec	18-Dec	
				MULTAN	1	9-Jan	9-Jan	
				RAWALPINDI	8	10-Jan	10-Oct	
				SINDH	4	11-Aug	13-Dec	
				KAMBAR	1	15-Aug	15-Aug	
				KHIBALDIA	2	8-Aug	3-Nov	
				KHIGADAP	21	9-Jan	12-Dec	
KHIGIQBAL	6	3-Feb	10-Oct					
KHIKORANGI	1	16-Oct	16-Oct					
KHILANDHI	7	16-Mar	14-Dec					
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					110	1-Jan	20-Dec	
SOM	VDPV2	BANADIR	WABERI	2	22-Oct	2-Nov		
SOM Total					2	22-Oct	2-Nov	
2017 Total					151	1-Jan	27-Dec	
2018	PAK	WILD1	BALOCHISTAN	KABDULLAH	1	1-Jan	1-Jan	
			SINDH	KHISITE	1	1-Jan	1-Jan	
	PAK Total					2	1-Jan	1-Jan
2018 Total					2	1-Jan	1-Jan	



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2018 - 21/01/2018

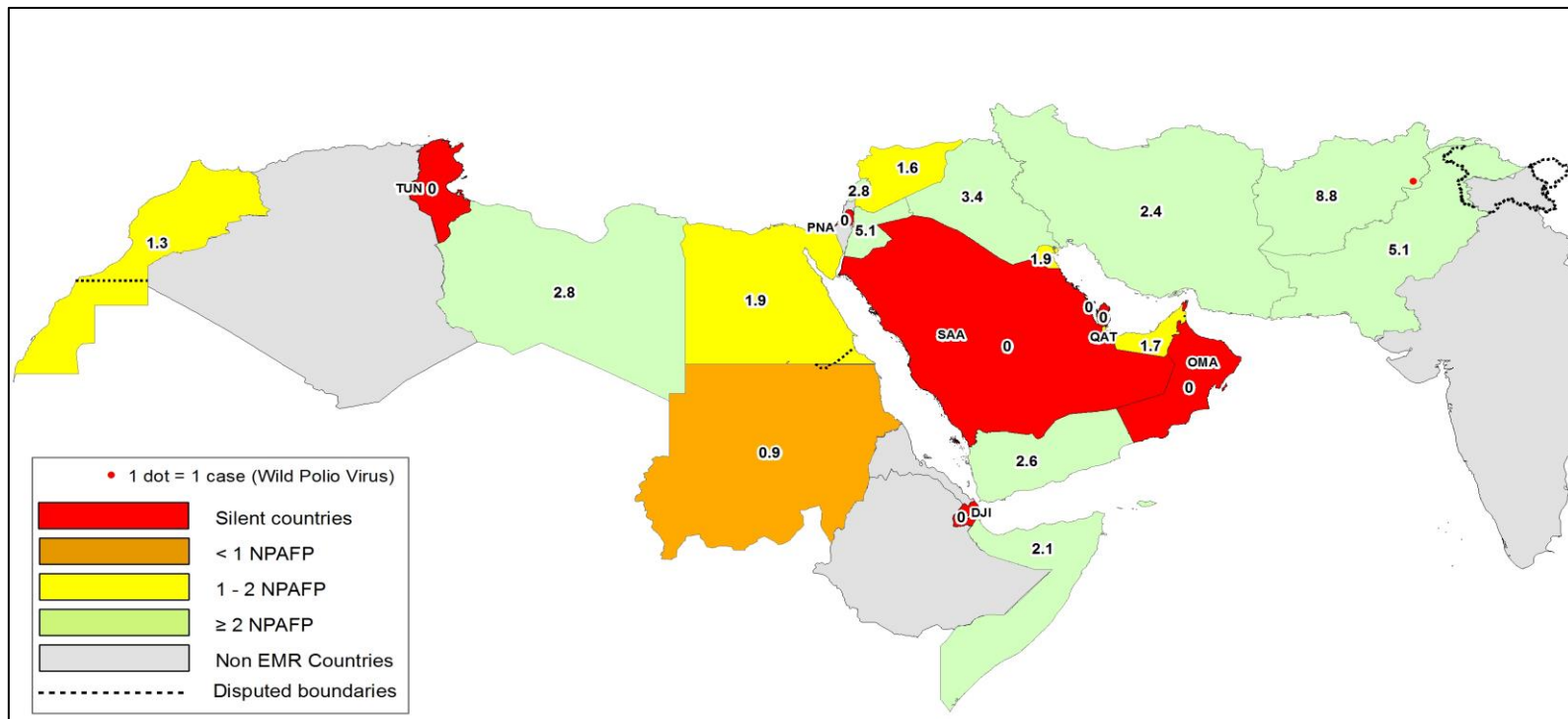


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2018 - 21/01/2018

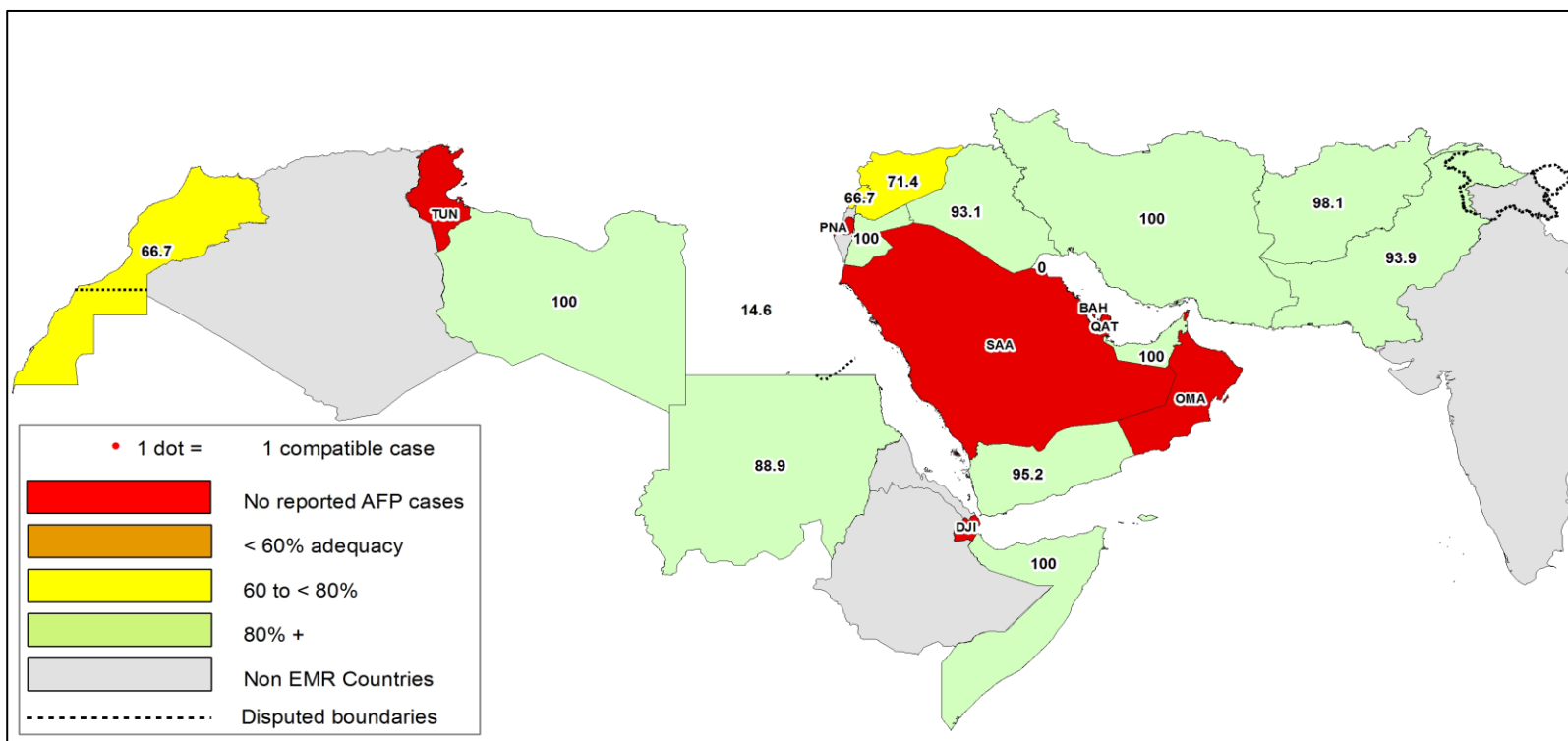


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2017 - 2018

Year	COUNTRY	Count	First Case	Last Case
2018	AFG	1	1/1/2018	1/1/2018
2018 Total		1	1/1/2018	1/1/2018
2017	AFG	14	1/13/2017	12/28/2017
	PAK	8	1/28/2017	11/15/2017
2017 Total		22	1/13/2017	12/28/2017

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 01/01/2018 - 21/01/2018

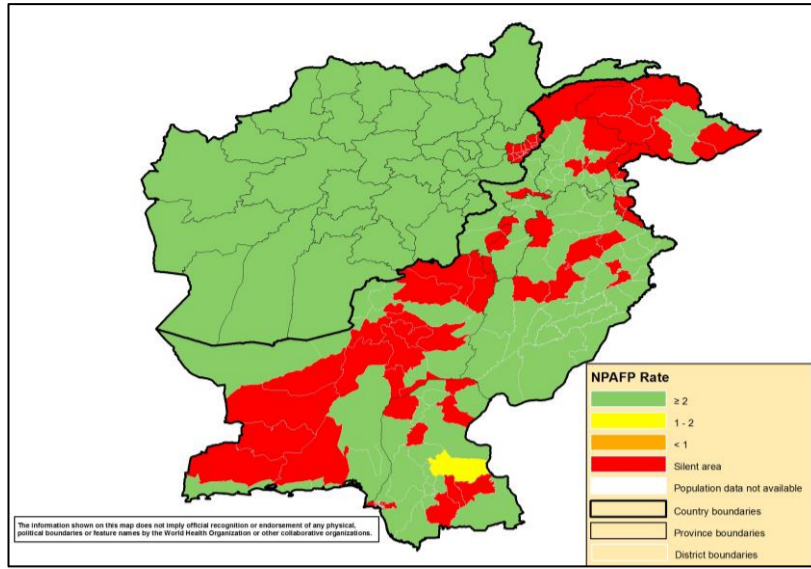


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan by Province & Pakistan by District 01/01/2018 - 21/01/2018

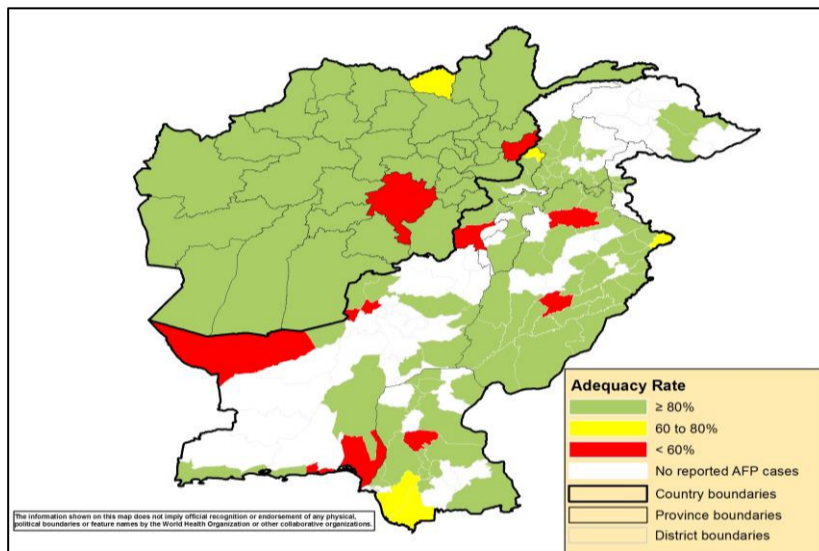
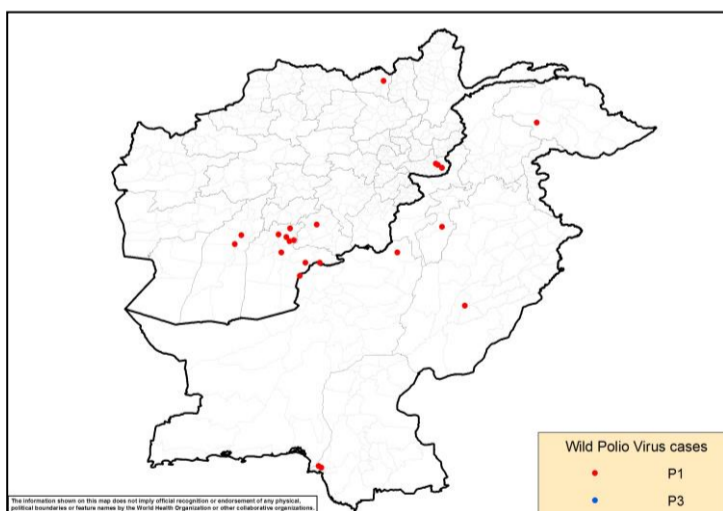


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

5a: 01/01/2017 - 31/12/2017



5b: 01/01/2018 - 21/01/2018

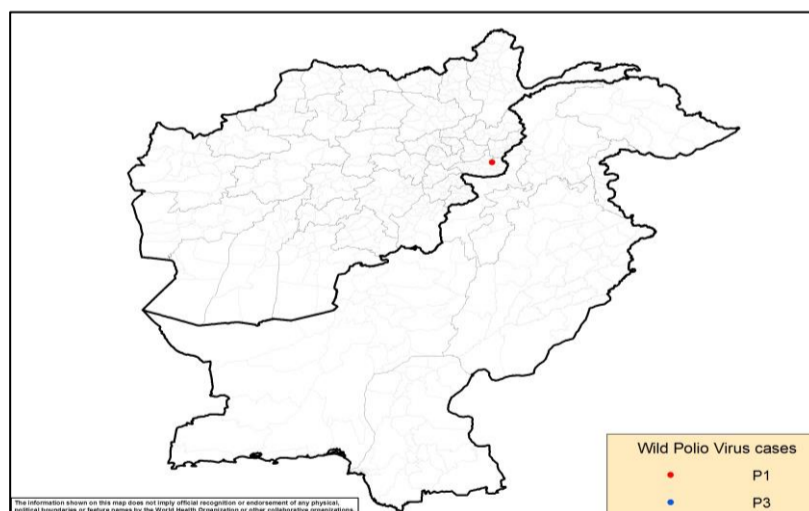




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2017-2018

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2018	NANGARHAR	KAMA	1	1/1/2018	1/1/2018
2018 Total			1	1/1/2018	1/1/2018
2017	KANDAHAR	SPINBOLDAK	1	12/28/2017	12/28/2017
		SHAHWALIKOT	5	6/19/2017	12/3/2017
		KANDAHAR	1	1/13/2017	1/13/2017
	NANGARHAR	MUHMAND DARA	1	11/5/2017	11/5/2017
		BATIKOT	2	9/15/2017	10/11/2017
	ZABUL	ARGHANDAB (Z)	1	7/10/2017	7/10/2017
	HILMAND	NAWZAD	1	4/16/2017	4/16/2017
		NAHR-E-SARAJ	1	1/21/2017	1/21/2017
KUNDUZ	DASHT-E-ARCHI	1	2/21/2017	2/21/2017	
2017 Total			14	1/13/2017	12/28/2017

Table 10: Wild Polio cases by district and date of onset of paralysis, Pakistan 2017-2018

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2017	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 2017-2018

Year	COUNTRY	PROVINCE	DISTRICT	Count	First Case	Last Case
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



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Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2017 - 2018

Country	Source	Poliovirus type 2 by month																	
		2017												2018					
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	S2				
		V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2	V2	S2
AFG	AFP																		
	Contact																		
	ENV	1																	
	Others*																		
BAH	AFP																		
	Contact																		
	Others*																		
DJI	AFP																		
	Contact																		
	Others*																		
EGY	AFP		1																
	Contact																		
	ENV																		
	Others*																		
IRN	AFP																		
	Contact																		
	Others*																		
IRQ	AFP			1															
	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	1		5	1							1							
	Contact		1	1	2														
	ENV	5	9	11	1	10	3	6	3	1	1	2							
	Others*					2													
PNA	AFP																		
	Contact																		
	Others*																		
QAT	AFP																		
	Contact																		
	Others*																		
SAA	AFP																		
	Contact																		
	Others*																		
SUD	AFP																		
	Contact																		
	Others*																		
SOM	AFP																		
	Contact																		
	ENV												1		1				
	Others*																		
SYR	AFP			2	4	15	12	8	22	2	3								
	Contact				2	1	17	11	7	22	5	1							
	Others*							2	2	1				1					
TUN	AFP																		
	Contact																		
	Others*																		
UAE	AFP																		
	Contact																		
	Others*																		
YEM	AFP																		
	Contact																		
	Others*																		
EMR	AFP	1	1	1	2	5	4	1	15	12	8	22	3	3					
	Contact			1	2	2	17	11	7	22	5	1							
	ENV	6	9		11	1	10	3	6	3	1	1	2		1		1		
	Others*						2			2	2	1				1			

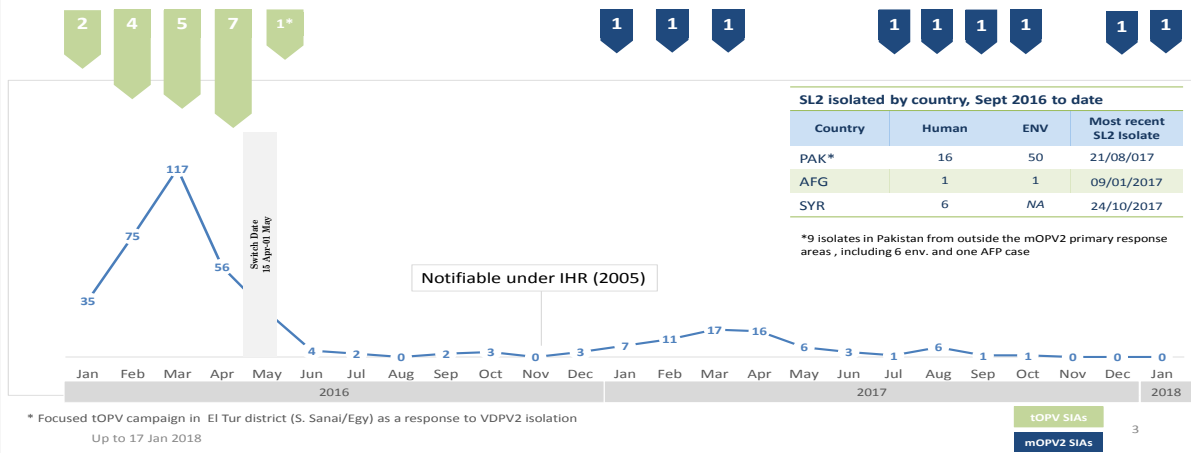
VDPV2

*Other: Healthy children, PIDs

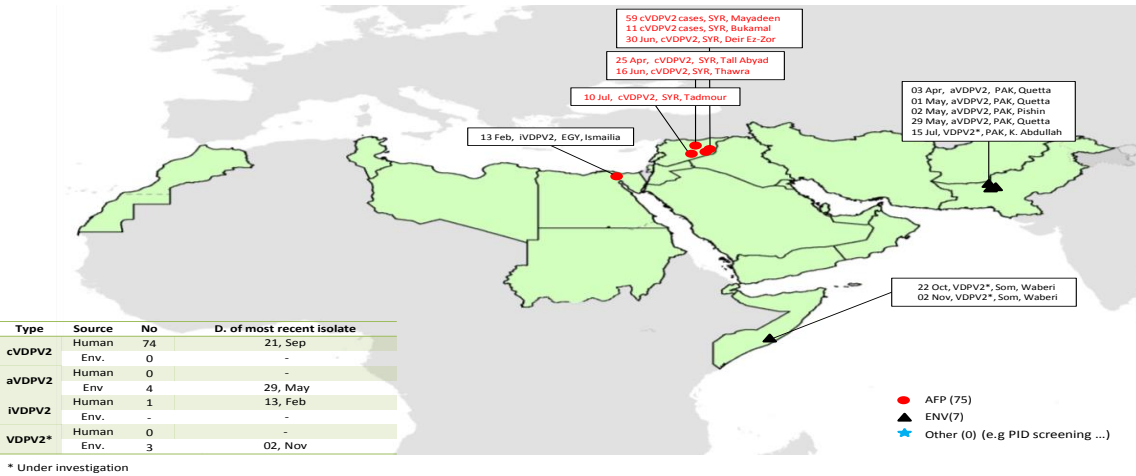
** VPDP2 isolated from index and contact at the same time



Sabin Like Type-2 Poliovirus Isolates (H & E) EMR, 2016-17-18



VDPV2 isolates, EMR countries, 2017



VDPV2 isolates, EMR countries, 2018

