



AFP SURVEILLANCE

26-Sep-16

Week 38, ending 25 September 2016

Number 938

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

Country	Reported AFP cases by week of onset - Week (38/16) / Ending on : 25/09/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	W27 10 Jul 16	W28 17 Jul 16	W29 24 Jul 16	W30 31 Jul 16	W31 07 Aug 16	W32 14 Aug 16	W33 21 Aug 16	W34 28 Aug 16	W35 04 Sep 16	W36 11 Sep 16	W37 18 Sep 16	W38 25 Sep 16
Afghanistan	2421	2738	2087	62	65	49	80	69	49	52	53	57	21	25	5
Bahrain	16	19	12	0	0	0	0	0	1	0	0	0	0	0	0
Djibouti	3	3	3	0	0	0	0	0	0	0	0	0			
Egypt	1000	1046	739	17	12	23	14	26	14	19	18	11	7	18	9
Iran	753	780	541	16	17	15	16	11	19	14	14	9	5	5	0
Iraq	590	520	420	7	10	11	3	12	11	10	6	11	3	0	
Jordan ****	62	90	75	1	2	1	3	4	0	1	3	2	2	0	
Kuwait	32	32	28	1	0	0	1	1	1	1	0	0			
Lebanon ****	50	113	75	2	1	4	3	2	5	2	2	2	1		
Libya	43	54	40	1	0	0	3	1	2	0	1	1	0	1	
Morocco	103	79	37	2	0	0	1								
Oman	34	39	30	2	2	0	2	0	0	2	0	1	1	1	0
Pakistan	5370	5814	4797	145	145	185	149	195	153	178	177	109	47	17	0
Palestine ****	21	38	38	1	0	1	2	1	0	2	0	0	1	0	0
Qatar	7	11	5	0	0	0	0	0	1	0	0	0	0	0	0
Saudi Arabia	227	254	173	0	1	2	2	2	7	2	5	1	2	0	0
Somalia	420	281	218	3	2	7	10	7	4	6	5	1	3	2	
Sudan	442	436	387	10	12	17	18	15	18	14	9	12	7	5	0
Syria ****	306	235	209	2	2	3	10	9	11	11	5	3	5	2	
Tunisia	44	64	56	0	5	1	1	1	0	1	0	0	0	0	
U.A.E	25	31	26	0	0	1	1	1	0	0	1	0	0	0	0
Yemen	578	537	531	15	16	20	17	22	10	20	14	11	7	2	
Total EMR	12547	13214	10527	287	292	340	336	379	306	335	313	231	112	78	14

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	25/09		Confirmed polio cases by month of onset											
			2015	2016	October 2015	November 2015	December 2015	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016
Afghanistan	28	20	13	9	4	2	1	1	2	1	1	1		0	3	
Bahrain	0	0	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	0	0	0	
Egypt	0	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	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	0	0	
Lebanon ****	0	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	0	
Morocco	0	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	0	
Pakistan	306	54	38	14	4	9	3	2	4	2	3		2	1		
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	0	
Somalia	5	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	0	
Syria ****	1	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	0	
U.A.E	0	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	0	
Total EMR	342	74	51	23	8	11	4	3	6	3	4	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 2015 & 2016 up to Week (38/16) / Ending on : 25/09/2016)

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	2087	9	0	168	1910	0	14.3	21	1	92.3	9	0	25/09/2016		
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	12	0	0	1	11	0	6.0	0	0	100.0	0	0	25/09/2016		
Djibouti	3	0	0	0	3	0	1.0	0	0	66.7	0	0	3	0	0	2	1	0	1.4	2	0	33.3	0	0	10/09/2016		
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	739	0	0	114	625	0	2.6	0	0	88.5	0	0	24/09/2016		
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	541	0	0	28	512	0	3.9	0	0	95.6	0	0	25/09/2016		
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	420	0	0	32	387	1	3.9	15	1	81.9	0	0	24/09/2016		
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	75	0	0	26	49	0	3.6	6	0	100.0	0	0	22/09/2016		
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	28	0	0	4	24	0	4.3	0	0	85.7	0	0	04/09/2016		
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	75	0	0	17	58	0	5.3	6	0	82.7	0	0	16/09/2016		
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	40	0	0	5	35	0	2.7	0	0	90.0	0	0	24/09/2016		
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	37	0	0	17	20	0	0.5	12	1	62.2	0	0	29/07/2016		
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	30	0	0	11	19	0	4.7	0	0	86.7	0	0	25/09/2016		
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	4797	14	0	394	4389	0	8.3	72	5	89.3	14	0	25/09/2016		
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	38	0	0	7	31	0	2.7	0	0	97.4	0	0	25/09/2016		
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	5	0	0	1	4	0	2.3	0	0	100.0	0	0	25/09/2016		
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	173	0	0	24	149	0	2.4	0	0	99.4	0	0	25/09/2016		
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	218	0	0	7	211	0	5.1	0	0	99.5	0	0	24/09/2016		
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	387	0	0	31	356	0	3.1	0	0	97.7	0	0	25/09/2016		
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	209	0	0	14	195	0	3.7	0	0	87.6	0	0	24/09/2016		
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	56	0	0	5	51	0	2.9	0	0	82.1	0	0	23/09/2016		
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	26	0	0	0	26	0	3.5	0	0	100.0	0	0	25/09/2016		
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	531	0	0	159	371	1	5.6	43	40	91.9	0	0	24/09/2016		
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	10527	23	0	1067	9434	2	5.8	177	48	90.6	23	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



World Health Organization – Regional Office for Eastern Mediterranean

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Table 4: Investigation of contacts of AFP cases with paralysis onset in 2016 up to Week (38/16) / Ending on : (25/09/2016)

Country	No. of AFP cases	No. of eligible AFP cases for contact sampling*	% of eligible AFP cases with contact samplings	% of eligible AFP cases with 3+ contacts	Total number of Contacts**	% of contacts under 5 years	% of contacts with specimens collected within 7 days of notification of index	% Contact specimens in lab within 3 days of collection	% Contact specimens positive for NPEV	% Contact specimens positive for Sabin like virus	No. of contacts positive for wild virus	% of wild polio virus isolation from contacts	No. of Contacts positive for VDPVs	No. of -ve index AFP cases identified positive by contact	No. of district identified infected from contacts
Afghanistan	2087	161	90.7	90.7	977	96.6	65.2	26.2	23.6	8.1	3	0.3		2	1
Bahrain	12	0			0						0			0	0
Djibouti	3	2	50.0	50.0	3	33.3	100.0				0			0	0
Egypt	739	94	48.9	47.9	217	77.4	61.8	96.7	12.8	6.1	0	0.0		0	0
Iran	541	26	80.8	61.5	107	61.7	31.8	86.0	2.8	0.9	0	0.0		0	0
Iraq	420	76	72.4	63.2	502	62.0	20.7	89.2	16.2	5.4	0	0.0		0	0
Jordan	75	0			0						0			0	0
Kuwait	28	4	50.0	50.0	45	51.1	73.3	100.0	0.0	0.0	0	0.0		0	0
Lebanon	75	13	7.7	7.7	6	66.7	50.0	0.0	0.0	0.0	0	0.0		0	0
Libya	40	4	0.0	0.0	0						0			0	0
Morocco	37	14	35.7	35.7	25	52.0	36.0	48.0	8.0	0.0	0	0.0		0	0
Oman	30	4	25.0	25.0	44	86.4	38.6	81.8	0.0	2.3	0	0.0		0	0
Pakistan	4797	512	81.6	79.5	1416	87.4	62.7	69.6	24.5	5.4	3	0.2		0	0
Palestine	38	1	0.0	0.0	0						0			0	0
Qatar	5	0			0						0			0	0
Saudi Arabia	173	1	0.0	0.0	0						0			0	0
Somalia	218	1	100.0	100.0	644	92.5	99.5	39.7	13.9	3.7	0	0.0		0	0
Sudan	387	9	77.8	77.8	139	75.5	52.5	36.6	12.9	0.0	0	0.0		0	0
Syria	209	26	50.0	19.2	476	26.7	79.6	59.8	2.6	0.7	0	0.0		0	0
Tunisia	56	10	10.0	0.0	7	0.0	42.9	100.0	0.0	0.0	0	0.0		0	0
U.A.E.	26	0			0						0			0	0
Yemen	531	43	86.0	72.1	1255	59.1	73.3	1.2	17.3	2.5	0	0.0		0	0
Grand Total 2016	10527	1001	75.4	71.5	5863	74.6	66.1	48.8	17.6	4.5	6	0.1		2	1
Grand Total 2015	13214	1314	79.5	73.8	7465	74.3	63.8	45.4	17.5	5.0	11	0.2	2	5	3

* Eligible refers to AFP cases with inadequate stool specimens

** Total number of contacts from eligible AFP cases and from other AFP cases as per with country criteria for contact sampling

Last wild contacts in EMRO, 01/01/2015 - 25/09/2016

Year	Country	Count of wild contacts	Date of Most Recent stool collection
2015	Afghanistan	9	1/13/2016
	Pakistan	2	7/27/2015
2015 Total		11	1/13/2016
2016	Pakistan	3	6/15/2016
	Afghanistan	3	4/4/2016
2016 Total		6	6/15/2016

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	23/04/2015	23/04/2015
			BAKWA	1	21/04/2015	21/04/2015
		KANDAHAR	SHAHWALIKOT	1	20/12/2015	20/12/2015
	AFG Total			3	21/04/2015	20/12/2015
	PAK	KHYBER PAKHTOON	PESHAWAR	1	08/06/2015	08/06/2015
			TANK	1	25/01/2015	25/01/2015
	PAK Total			2	25/01/2015	08/06/2015
2015 Total				5	25/01/2015	20/12/2015
2016	AFG	KUNAR	SHIGAL WA SHEL TAN	1	26/02/2016	26/02/2016
		HILMAND	NAWZAD	1	23/01/2016	23/01/2016
	AFG Total			2	23/01/2016	26/02/2016
2016 Total				2	23/01/2016	26/02/2016



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (38/16) / Ending on : (25/09/2016)

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	2054	160	24	454	1344	60	12	7	89			18			118			3		3	20%	96%	97%	97%	24/09/2016
Bahrain	PNL Oman	12	1			11															1	0%	100%		82%	26/09/2016
Djibouti	NPL Kenya	1			1																	100%			100%	10/09/2016
Egypt***	RRL Egypt	702	24	1	104	533	1	39		7			7			14		1	1	2	1	12%	100%	100%	99%	19/09/2016
Iran	NPL Iran	560	8		14	513	24	1		5			1			3		1				3%	100%	100%	99%	24/09/2016
Iraq	RRL Egypt	412	12		33	352	7	8		3			9	1		6						12%	100%	100%	85%	22/09/2016
Jordan	RRL Tunisia	78	4		8	65	1			3						2						9%	100%	100%	100%	25/09/2016
Kuwait	RRL Kuwait	28	1			18		9												1		0%	89%		83%	05/06/2016
Lebanon	NPL Jordan	77	2		7	67		2														7%	100%			25/09/2016
Libya	RRL Tunisia	39	2		1	35	1			2												3%	100%	100%	97%	23/09/2016
Morocco	RRL Tunisia	51	1		2	40	8													1		11%	98%		90%	23/09/2016
Oman	NPL Oman	31			8	20	3															17%	100%		100%	26/09/2016
Pakistan	RRL Pakistan	4899	271	29	1106	3270	220	2	14	147			32			167		1	5		6	20%	97%	98%	97%	24/09/2016
Palestine & UNRWA		38			4	33	1															11%	31%		97%	25/09/2016
Qatar	NPL Oman	5			1	4																20%	100%		100%	19/09/2016
Saudi Arabia	NPL Oman	153			2	145		6								1						1%	100%	100%	83%	14/08/2015
Somalia	NPL Kenya	218	2	12	32	165	3	4		9			10			11						21%	9%		99%	24/09/2016
Sudan	RRL Egypt	385	1		57	289	16	22														16%	91%		100%	25/09/2016
Syria	RRL Egypt	222	5		8	188		21		2			1			4						4%	100%	100%	100%	08/09/2016
Tunisia	RRL Tunisia	58			2	55	1															3%	100%		98%	23/09/2016
U.A.E	NPL Oman	25			2	23																6%	100%		100%	26/09/2016
Yemen	RRL Egypt	798	23	4	129	478	8	156		8			4	2		12			1	1	1	19%	37%	100%	56%	19/09/2016
Total EMR 2016		10846	517	70	1975	7648	354	282	21	275			82	3		338		3	10	3	14	17%	91%	98%	94%	
Total EMR 2015		12989	743	97	2319	9814		13	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 (a): Environmental isolate by year and type "EGYPT"

Result	2010	2011	2012	2013	2014	2015	2016
Negative	183	178	196	304	410	412	333
Pending							27
Wild			2				
VDPVP2			7	3	2	3	1
VDPVP1			1		1		
Total	183	178	206	307	413	415	361

Table 6 (b): Environmental Wild/VDPV isolate by site "EGYPT"

YEAR	Province	Site	Count	First date	Last Date
2015	VDPVP2	CAIRO	1	16/06/2015	16/06/2015
		GIZA	1	04/02/2015	04/02/2015
		HURGADA	1	26/05/2015	26/05/2015
	VDPVP2 Total		3	04/02/2015	16/06/2015
2016	VDPVP2	SOUTH SINAI	1	15/03/2016	15/03/2016
	VDPVP2 Total		1	15/03/2016	15/03/2016

Table 7 (a): Environmental isolate by year and type "AFGHANISTAN/PAKISTAN"

Country	Status	2009	2010	2011	2012	2013	2014	2015	2016	
AFG	NEGATIVE						9	78	129	113
	PENDING									
	WILD							17	20	
	WILD & VDPV2									
	VDPV2									
AFG Total							9	95	149	113
PAK	NEGATIVE	27	77	68	151	257	237	347	292	
	PENDING								45	
	WILD	18	79	136	88	63	125	79	33	
	WILD & VDPV2					2	6	5		
	VDPV2							4	8	2
PAK Total		45	156	204	239	322	372	439	372	

Pakistan Environment data is now updated to reflect positive results by site not by method (from regular environment system and BMFS pilot study) with no duplication

Table 7 (b): Environmental Wild/VDPV isolate by site "AFGHANISTAN/PAKISTAN"

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		
			NANGARHAR	JALALABAD	4	22-02-15	27-12-15		
				AFG Total			20	04-01-15	27-12-15
			PAK	WILD1	BALOCHISTAN	KABDULLAH	3	15-01-15	01-06-15
						QUETTA	12	12-01-15	28-10-15
	ISLAMABAD	CDA			2	12-01-15	17-08-15		
		KHYBER PAKHTUNKHWA			DIKHAN	3	04-03-15	04-08-15	
	PUNJAB	PESHAWAR			11	03-01-15	11-12-15		
		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				
	BALOCHISTAN	QUETTA		3	28-03-15	12-12-15			
WILD1 & VDPV	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				
		SINDH	KHIGADAP	5	14-01-15	18-03-15			
VDPV2	SINDH	KHIGIQBAL	2	08-06-15	07-07-15				
		PAK Total		92	03-01-15	22-12-15			
2015 Total				112	03-01-15	27-12-15			
2016	PAK	WILD1	BALOCHISTAN	KABDULLAH	1	15-01-16	15-01-16		
				PISHIN	2	02-08-16	17-08-16		
			KHYBER PAKHTUNKHWA	QUETTA	5	12-02-16	20-08-16		
				DIKHAN	1	16-07-16	16-07-16		
				PESHAWAR	5	11-01-16	11-07-16		
			PUNJAB	DERA GHAZI KHA	1	12-05-16	12-05-16		
				FAISALABAD	2	03-02-16	02-07-16		
				LAHORE	1	05-08-16	05-08-16		
				RAWALPINDI	2	14-04-16	16-08-16		
				HYDERABAD	1	05-01-16	05-01-16		
				JACOBABAD	2	04-02-16	10-03-16		
			SINDH	KHIGADAP	5	27-01-16	14-07-16		
				KHIGIQBAL	2	18-01-16	15-03-16		
				SUKKUR	3	12-01-16	19-03-16		
				VDPV2	BALOCHISTAN	QUETTA	1	20-06-16	20-06-16
					SINDH	HYDERABAD	1	11-07-16	11-07-16
			PAK Total			35	05-01-16	20-08-16	
2016 Total				35	05-01-16	20-08-16			



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 25/09/2016

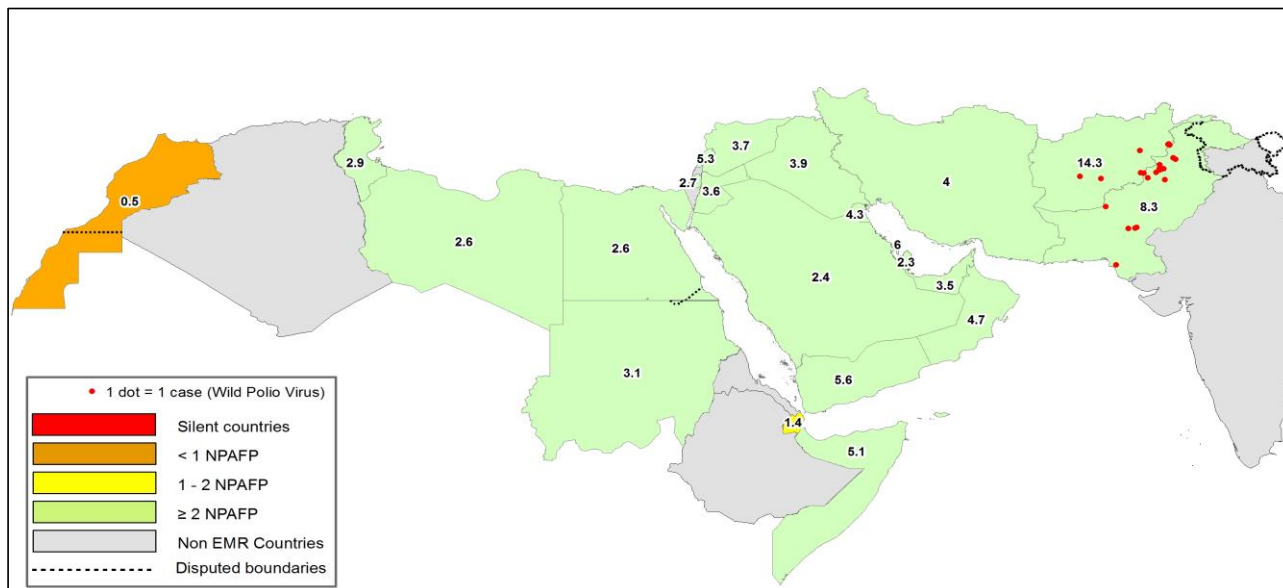


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 25/09/2016

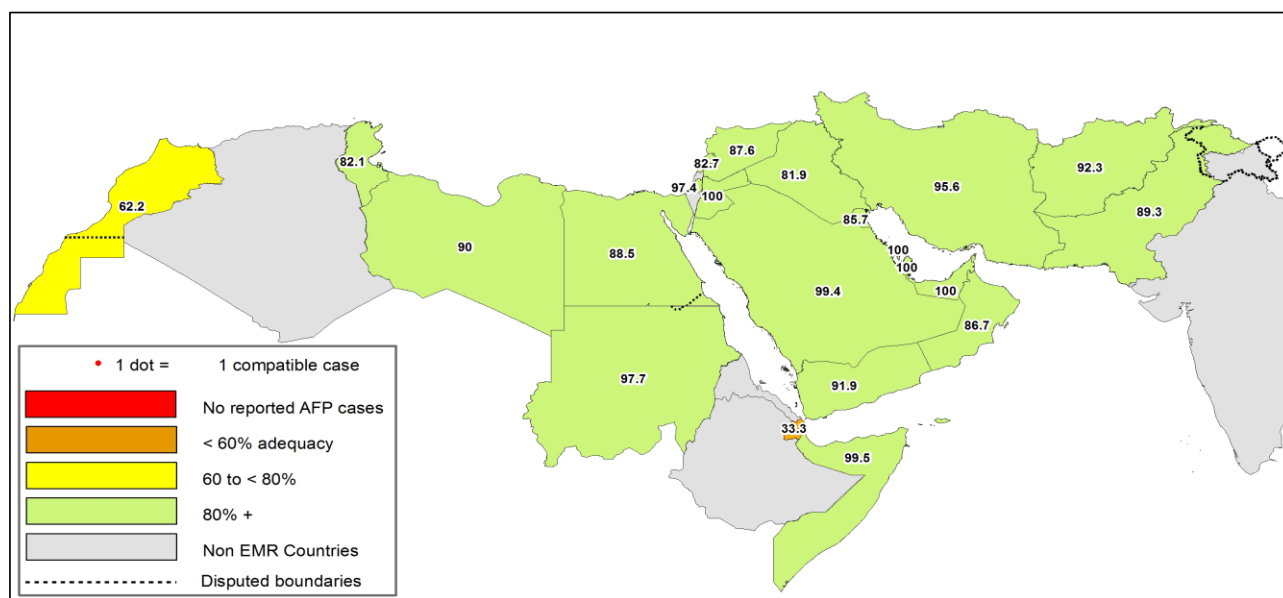


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

Year	COUNTRY	Count	First Case	Last Case
2015	PAK	54	03-01-15	31-12-15
	AFG	20	21-01-15	20-12-15
2015 Total		74	03-01-15	31-12-15
2016	AFG	9	23-01-16	11-08-16
	PAK	14	17-01-16	27-07-16
2016 Total		23	17-01-16	11-08-16

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 - 25/09/2016

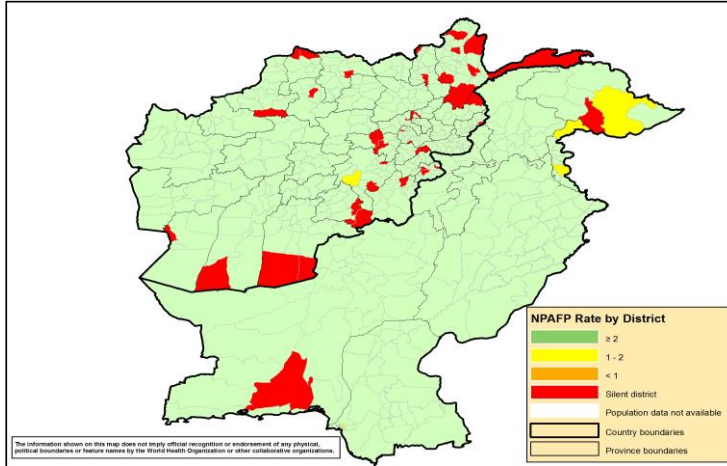


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 25/09/2016

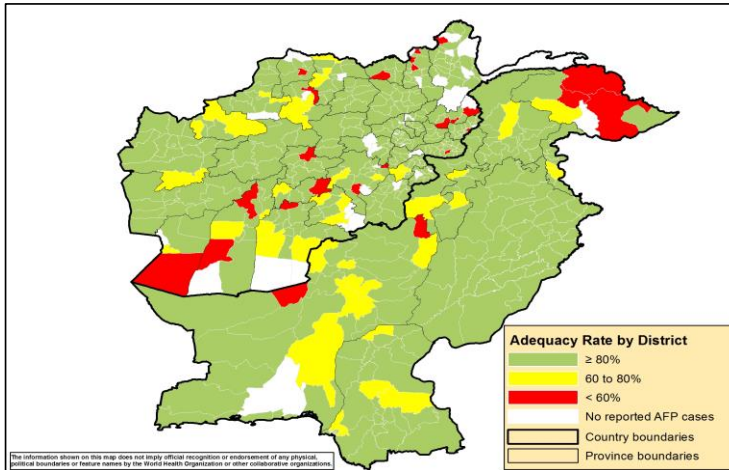
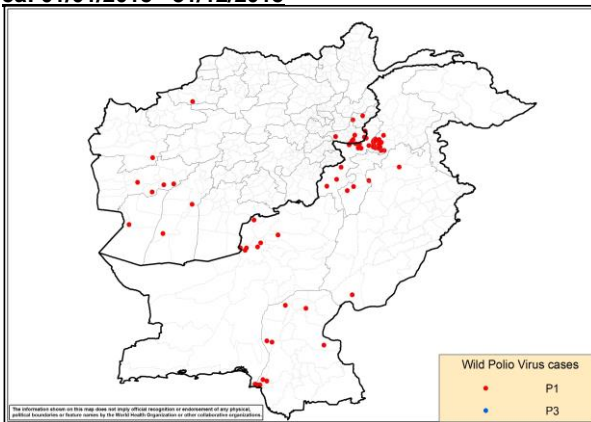


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 25/09/2016

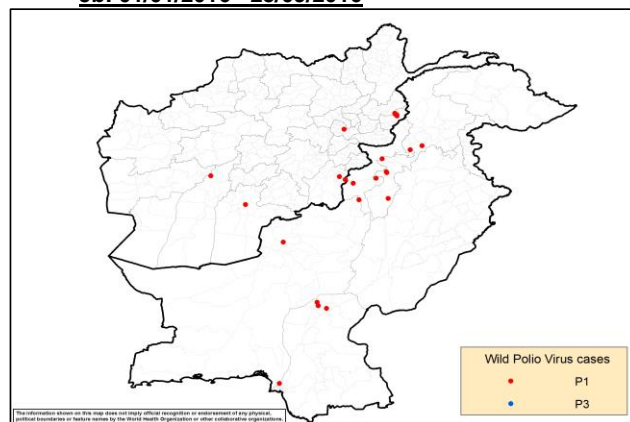




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

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	2	02-08-16	11-08-16	
	KABUL	KABUL	1	08-08-16	08-08-16	
	KUNAR	SHIGAL WA SHELTAN	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			9	23-01-16	11-08-16	

Table 10: Wild Polio cases by district and date of onset of paralysis, Pakistan 2015-2016

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2015	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	02-12-15
		CHAKWAL	1	11-09-15	11-09-15
	SINDH	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
2015 Total			54	03-01-15	31-12-15
2016	FATA	WAZIR-S	2	18-06-16	27-07-16
	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
	SINDH	SHIKARPUR	2	05-03-16	12-04-16
		JACOBABAD	1	10-02-16	10-02-16
BALOCHISTAN	KHIGADAP	1	17-01-16	17-01-16	
BALOCHISTAN	QUETTA	1	01-02-16	01-02-16	
2016 Total			14	17-01-16	27-07-16



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	
2015 Total				2	05/02/2015	09/02/2015

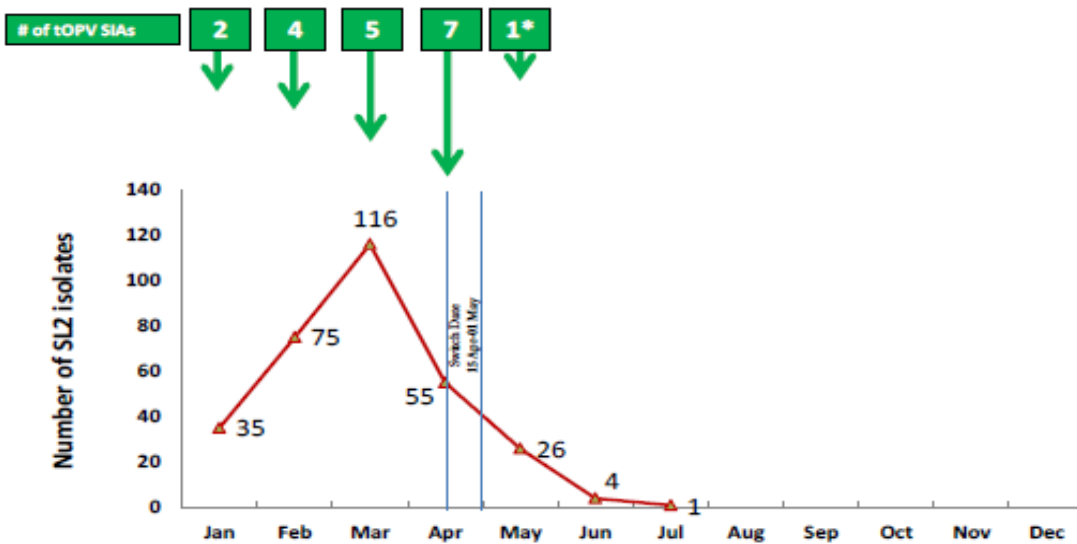
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

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		
AFG	AFP		1		2		11		3		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																
	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		15				3														
	Contact				1		7		5		1														
	ENV		7		32		27		26		9	1	3	1	1										
PAL	AFP																								
	Contact																								
	ENV																								
QAT	AFP																								
	Contact																								
	ENV																								
SAA	AFP																								
	Contact																								
	ENV																								
SUD	AFP																								
	Contact																								
	ENV																								
SOM	AFP				1		6		1				1												
	Contact																								
	ENV																								
SYR	AFP										1														
	Contact																								
	ENV																								
TUN	AFP																								
	Contact																								
	ENV																								
UAE	AFP																								
	Contact																								
	ENV																								
YEM	AFP		1						1		1														
	Contact				1				2																
	ENV																								
EMR	AFP		12	1	15		38		6		8		1		1										
	Contact		4		7		20		18		2				1										
	ENV		19		53	1	58		31		17	1	3	1	1										

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



SL2 isolates in EMR countries from Human and ENV 2016

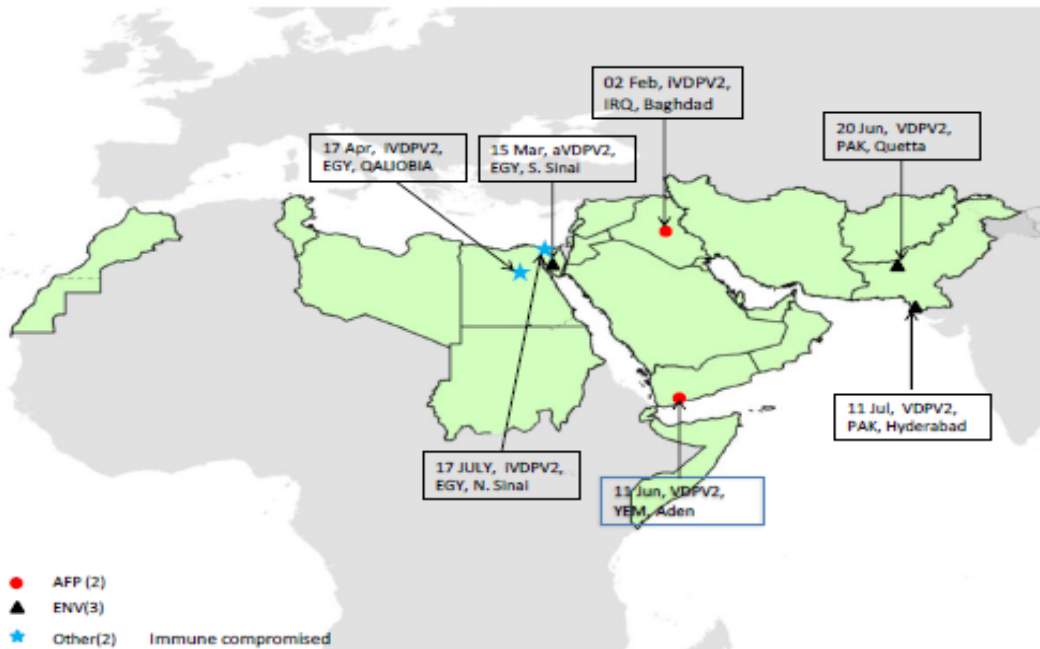


July: one SL2 from PAK ENV, Faisalabad

* Very small scale tOPV campaign in Bir Tur district (S. Sana/Egy) as a response to VDPV2 isolation

Data up to W36, 11 Sep 2016

VDPV2 isolates, EMR countries, 2016



Data up to W36, 11 Sep 2016