



AFP SURVEILLANCE

3-Oct-16

Week 39, ending 2 October 2016

Number 939

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

Country	Reported AFP cases by week of onset - Week (39/16) / Ending on : 02/10/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	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	W39 02 Oct 16
Afghanistan	2421	2738	2137	65	49	80	69	50	52	53	57	25	41	31	3
Bahrain	16	19	12	0	0	0	0	1	0	0	0	0	0	0	
Djibouti	3	3	3	0	0	0	0	0	0	0	0	0	0	0	
Egypt	1000	1046	752	12	23	14	26	14	19	18	11	7	20	20	
Iran	753	780	551	17	15	16	11	19	14	15	11	9	8	0	
Iraq	590	520	428	10	11	3	12	11	10	6	12	3	1	6	0
Jordan ****	62	90	75	2	1	3	4	0	1	3	2	2	0		
Kuwait	32	32	28	0	0	1	1	1	1	0	0				
Lebanon ****	50	113	75	1	4	3	2	5	2	2	2	1			
Libya	43	54	40	0	0	3	1	2	0	1	1	0	1	0	
Morocco	103	79	57	1	2	1	2	2	0	6	1	2	2	2	
Oman	34	39	30	2	0	2	0	0	2	0	1	1	1	0	0
Pakistan	5370	5814	4920	145	185	152	197	155	180	179	122	69	64	26	0
Palestine ****	21	38	38	0	1	2	1	0	2	0	0	1	0	0	
Qatar	7	11	5	0	0	0	0	1	0	0	0	0	0	0	0
Saudi Arabia	227	254	173	1	2	2	2	7	2	5	1	2	0	0	0
Somalia	420	281	227	2	7	10	7	4	6	5	2	4	4	5	
Sudan	442	436	394	12	17	18	15	18	14	9	12	7	9	3	
Syria ****	306	235	217	2	3	10	9	12	11	5	3	9	3	2	
Tunisia	44	64	58	5	1	1	1	0	1	0	1	1	0	0	
U.A.E	25	31	26	0	1	1	1	0	0	1	0	0	0	0	
Yemen	578	537	551	16	20	17	21	10	21	15	11	9	5	12	1
Total EMR	12547	13214	10797	293	342	339	382	312	338	323	250	152	159	107	4

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	02/10		Confirmed polio cases by month of onset											
			2015	2016	November 2015	December 2015	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016	October 2016
Afghanistan	28	20	13	9	2	1	1	2	1	1	1		0	3		
Bahrain	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		
Egypt	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	2	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	0	
Pakistan	306	54	38	14	9	3	2	4	2	3		2	1			
Palestine ****	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				
Somalia	5	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 ****	1	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		
Yemen	0	0	0	0	0	0					0	0				
Total EMR	342	74	51	23	11	4	3	6	3	4	1	2	1	3	0	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 (39/16) / Ending on : 02/10/2016)

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	2137	9	0	154	1974	0	14.3	26	1	92.4	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	5.9	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	1.3	2	0	33.3	0	0	10/09/2016		
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	752	0	0	90	662	0	2.6	0	0	90.4	0	0	29/09/2016		
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	551	0	0	27	523	0	3.9	1	0	95.6	0	0	01/10/2016		
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	428	0	0	32	395	1	3.9	16	2	82.0	0	0	03/10/2016		
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	75	0	0	26	49	0	3.5	7	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	4.2	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	5.2	7	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	3	37	0	2.6	0	0	90.0	0	0	30/09/2016		
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	57	0	0	27	30	0	0.7	10	1	56.1	0	0	30/09/2016		
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	30	0	0	5	25	0	4.6	0	0	86.7	0	0	02/10/2016		
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	4920	14	0	362	4544	0	8.3	47	6	89.3	14	0	02/10/2016		
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	2.2	0	0	100.0	0	0	02/10/2016		
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	173	0	0	24	149	0	2.4	1	1	99.4	0	0	02/10/2016		
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	227	0	0	12	215	0	5.2	0	0	99.6	0	0	01/10/2016		
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	394	0	0	22	372	0	3.1	0	0	97.7	0	0	01/10/2016		
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	217	0	0	20	197	0	3.7	0	0	88.5	0	0	30/09/2016		
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	58	0	0	4	54	0	2.9	0	0	79.3	0	0	30/09/2016		
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	26	0	0	0	26	0	3.4	0	0	100.0	0	0	25/09/2016		
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	551	0	0	179	371	1	5.6	43	40	91.3	0	0	01/10/2016		
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	10797	23	0	1019	9752	2	5.8	160	51	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 (39/16) / Ending on : (02/10/2016)

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	2137	164	91.4	91.4	1003	96.7	64.3	26.3	23.5	8.2	3	0.3		2	1
Bahrain	12	0			0						0			0	0
Djibouti	3	2	0.0	0.0	3	33.3	100.0				0			0	0
Egypt	752	72	100.0	100.0	223	77.1	60.1	97.0	14.2	6.1	0	0.0		0	0
Iran	551	27	100.0	80.0	122	62.3	30.3	84.4	2.5	1.6	0	0.0		0	0
Iraq	428	77	85.2	74.1	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			45	51.1	73.3	100.0	0.0	0.0	0	0.0		0	0
Lebanon	75	13	0.0	0.0	6	66.7	50.0	0.0	0.0	0.0	0	0.0		0	0
Libya	40	4			0						0			0	0
Morocco	57	25	0.0	0.0	30	60.0	30.0	48.0	8.0	0.0	0	0.0		0	0
Oman	30	4			44	86.4	38.6	81.8	0.0	2.3	0	0.0		0	0
Pakistan	4920	527	75.6	72.2	1502	87.3	60.1	68.9	24.4	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	4			0						0			0	0
Somalia	227	1			670	92.5	99.4	39.7	13.6	3.6	0	0.0		0	0
Sudan	394	9			139	75.5	52.5	34.7	12.2	0.0	0	0.0		0	0
Syria	217	25	25.0	0.0	486	26.3	80.0	59.8	2.6	0.7	0	0.0		0	0
Tunisia	58	14	0.0	0.0	9	0.0	44.4	100.0	0.0	0.0	0	0.0		0	0
U.A.E.	26	0			0						0			0	0
Yemen	551	48	100.0	75.0	1294	59.1	73.2	1.2	17.3	2.5	0	0.0	1	0	0
Grand Total 2016	10797	1021	78.8	73.5	6078	74.7	65.3	48.9	17.6	4.6	6	0.1	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 - 02/10/2016

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 (39/16) / Ending on : (02/10/2016)

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	2102	166	25	460	1370	81		7	95			18			123	1	3				20%	95%	97%	97%	01/10/2016
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	736	24	1	114	560	34	3		7			7			14	1	1	2	1	12%	100%	100%	99%	29/09/2016	
Iran	NPL Iran	573	8		14	533	13	5		5			1			3	1				2%	100%	100%	99%	01/10/2016	
Iraq	RRL Egypt	421	13		33	360	11	4		3			9	1		6					11%	100%	100%	85%	29/09/2016	
Jordan	RRL Tunisia	78	4		8	66				5						2					9%	100%	100%	100%	29/09/2016	
Kuwait	RRL Kuwait	28	1			18		9											1		0%	89%		83%	05/06/2016	
Lebanon	NPL Jordan	77	2		7	67		2													7%	100%			29/09/2016	
Libya	RRL Tunisia	40	2		1	35	2			2											3%	100%	100%	97%	30/09/2016	
Morocco	RRL Tunisia	50	1		2	40	6	1											1		11%	95%		90%	30/09/2016	
Oman	NPL Oman	31			8	20	3														17%	100%		100%	26/09/2016	
Pakistan	RRL Pakistan	5079	276	28	1155	3373	246		14	153			32			174		5			20%	97%	98%	97%	01/10/2016	
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	227	2	12	32	169	9	3		9			9			11					20%	9%		99%	01/10/2016	
Sudan	RRL Egypt	392	1		62	309	18	2								1					16%	86%	100%	50%	02/10/2016	
Syria	RRL Egypt	223	5		8	188	1	21		2			1			4					4%	100%	100%	100%	08/09/2016	
Tunisia	RRL Tunisia	59			2	55	2														3%	100%		98%	30/09/2016	
U.A.E	NPL Oman	25			2	23															6%	100%		100%	26/09/2016	
Yemen	RRL Egypt	818	23	4	129	478	22	162		8			4	1		12		1	1	1	19%	37%	100%	56%	29/09/2016	
Total EMR 2016		11168	529	70	2045	7857	448	219	21	289			81	2		351	3	10	3	5	17%	91%	98%	94%		
Total EMR 2015		12988	743	97	2319	9814		12	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							46
Wild			2				
VDPVP2			7	3	2	3	1
VDPVP1			1		1		
Total	183	178	206	307	413	415	380

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
2016	VDPVP2	SOUTH SINAI	1	15/03/2016	15/03/2016
	VDPVP2 Total			1	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
	PENDING								14
	WILD							17	20
	WILD & VDPV2								
	VDPV2								
AFG Total							9	95	149
PAK	NEGATIVE	27	77	68	151	257	237	347	291
	PENDING								50
	WILD	18	79	136	88	63	125	79	35
	WILD & VDPV2					2	6	5	
	VDPV2						4	8	2
PAK Total		45	156	204	239	322	372	439	378

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	1	27-12-15	27-12-15	
				KANDAHAR	3	04-01-15	26-08-15	
				KUNAR	1	25-10-15	25-10-15	
				BEHSUD	1	25-10-15	25-10-15	
	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	2	12-01-15	17-08-15	
				KHYBER PAKHTUNKHWA	DIKHAN	3	04-03-15	04-08-15
PESHAWAR					11	03-01-15	11-12-15	
LAHORE					4	12-01-15	12-10-15	
PUNJAB				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	
		KHIGADAP	16	06-01-15	22-12-15			
WILD1 & VDPV		SINDH	KHIGADAP	6	13-01-15	14-12-15		
			SUKKUR	6	06-01-15	11-09-15		
			QUETTA	3	28-03-15	12-12-15		
			PESHAWAR	1	26-02-15	26-02-15		
	KHYBER PAKHTUNKHWA		1	22-01-15	22-01-15			
VDPV2	PUNJAB	LAHORE	1	13-04-15	13-04-15			
		KHIGADAP	5	14-01-15	18-03-15			
		SINDH	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	3	02-08-16	03-09-16	
				QUETTA	5	12-02-16	20-08-16	
				KHYBER PAKHTUNKHWA	DIKHAN	1	16-07-16	16-07-16
					PESHAWAR	5	11-01-16	11-07-16
					DERA GHAZI KHA	1	12-05-16	12-05-16
				PUNJAB	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	
			SINDH	JACOBABAD	3	04-02-16	16-08-16	
				KHIGADAP	5	27-01-16	14-07-16	
				KHIGADAP	2	18-01-16	15-03-16	
				SUKKUR	3	12-01-16	19-03-16	
	QUETTA	1		20-06-16	20-06-16			
	VDPV2	SINDH	HYDERABAD	1	11-07-16	11-07-16		
			PAK Total				37	05-01-16
2016 Total				37	05-01-16	03-09-16		



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 02/10/2016

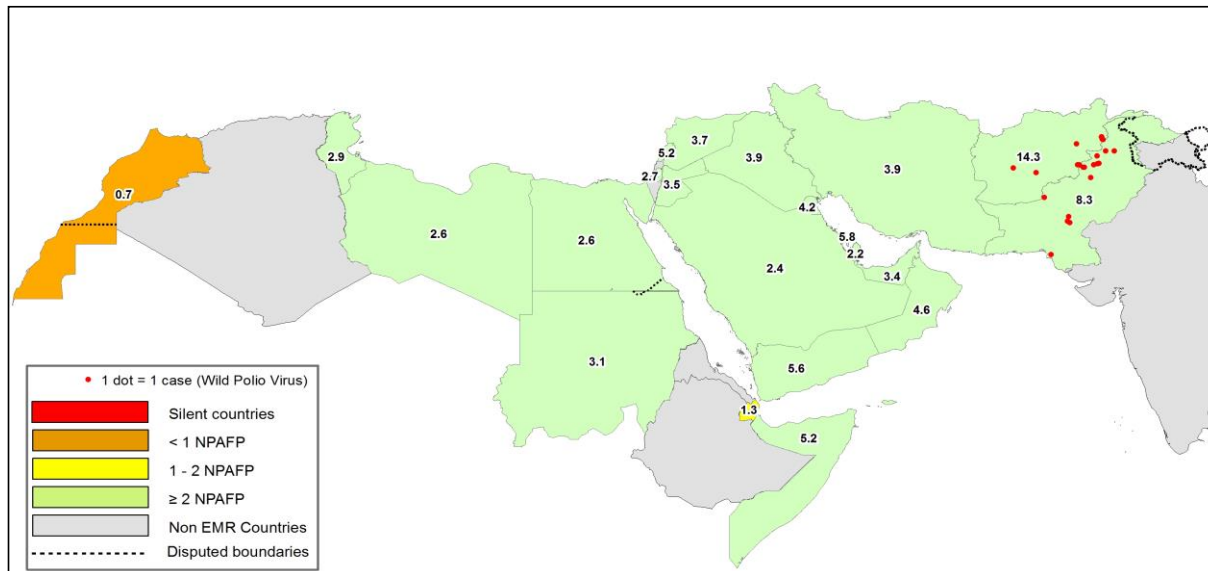


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 02/10/2016

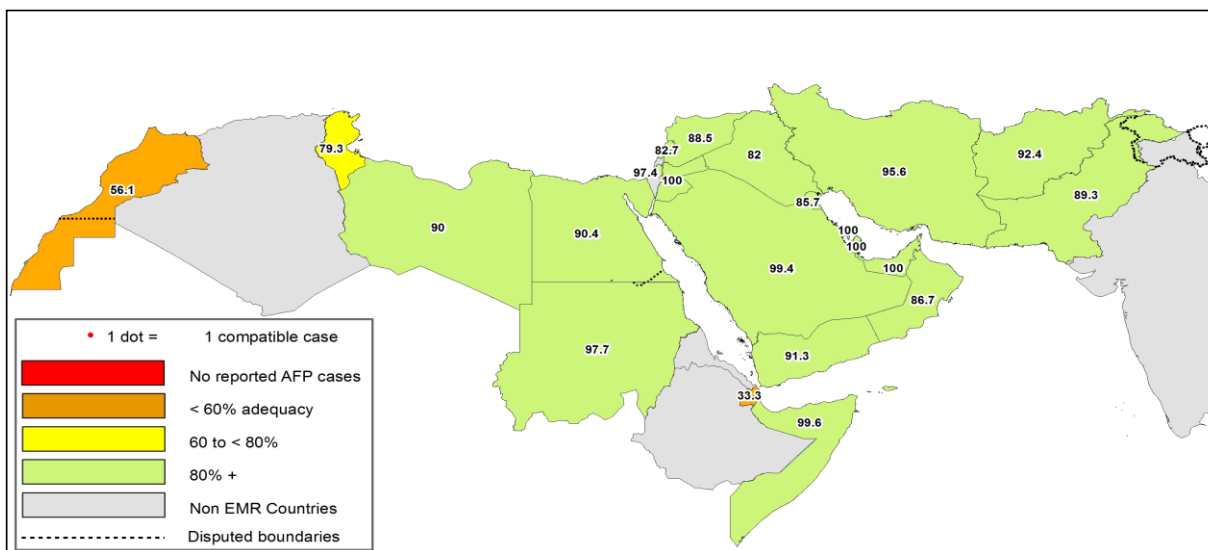


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

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 - 02/10/2016

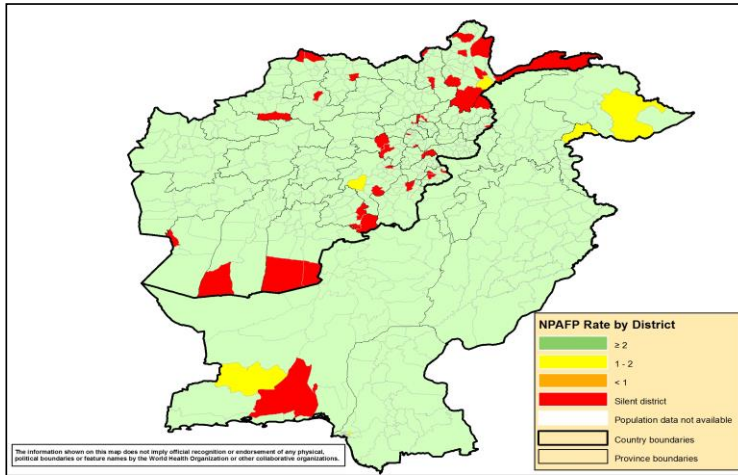


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 02/10/2016

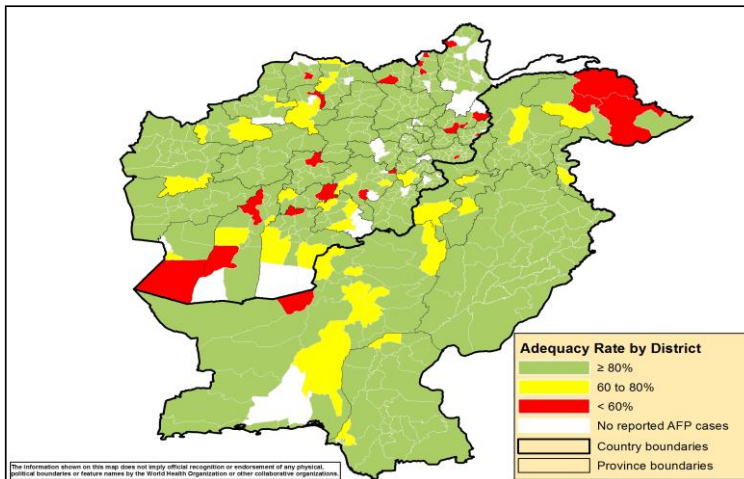
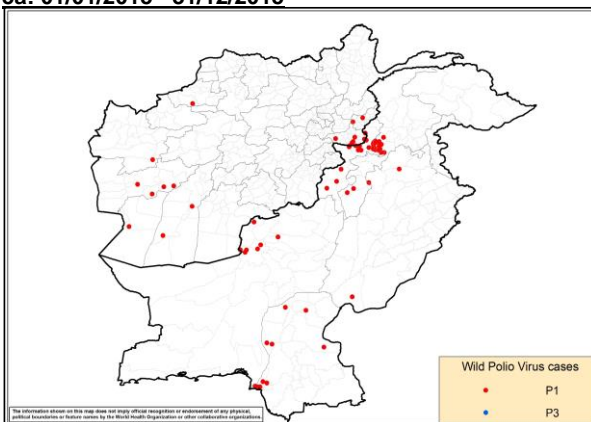


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 02/10/2016

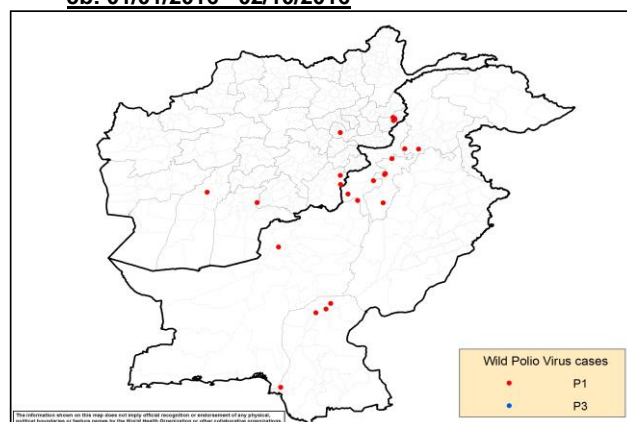




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

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 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			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
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

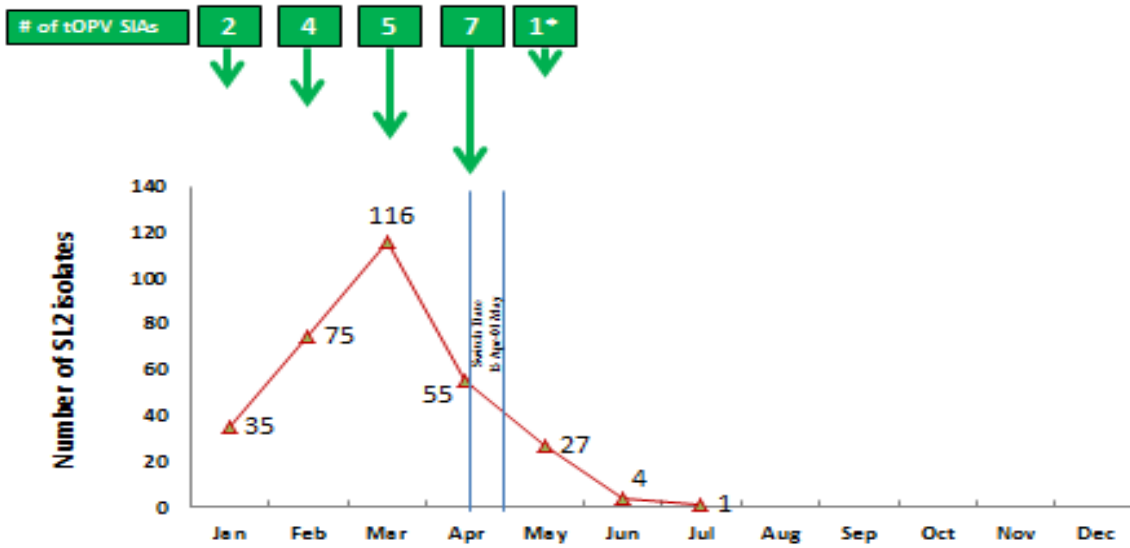
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

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	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		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			1*											
	Contact				1				2					1*											
	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
* VDPV2 isolated from index and contact at the same time



SL2 isolates in EMR countries from Human and ENV 2016

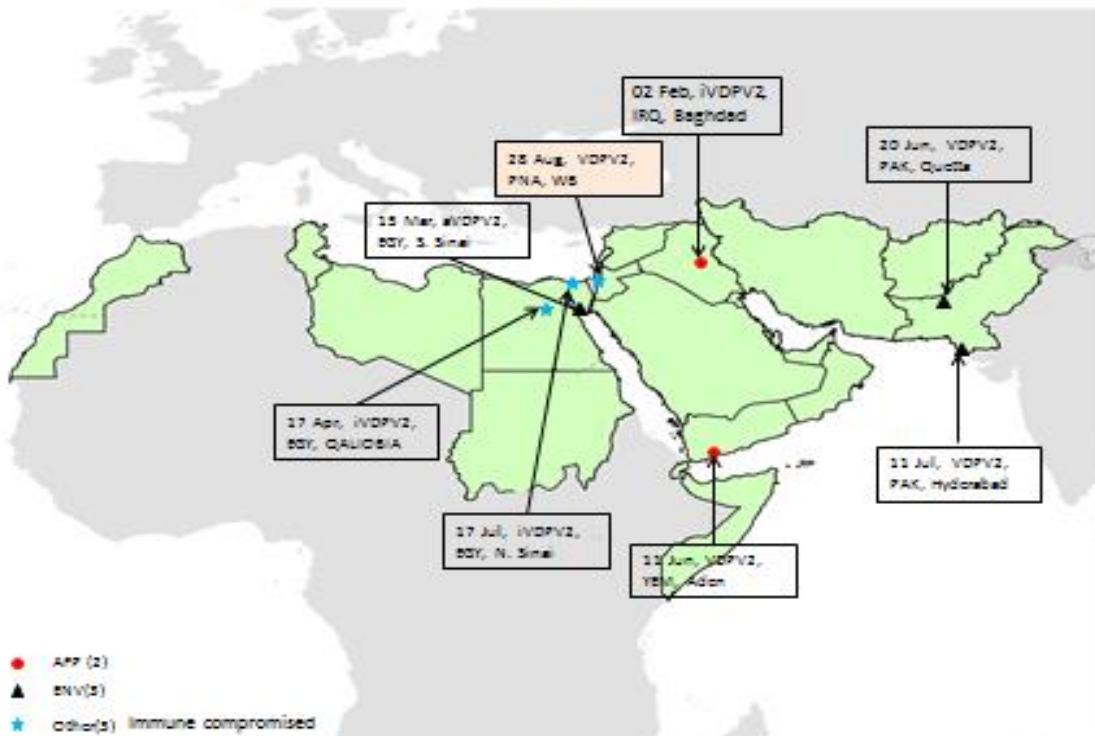


July: Isolated from PAK ENV, Faisalabad –

* focused tOPV campaign in Sir Tur district (S. Sinai/Egypt) as a response to VDPV2 isolation

Date up to W39, 03 Oct 2016

VDPV2 isolates, EMR countries, 2016



Date up to W39, 03 Oct 2016