



AFP SURVEILLANCE

31-Oct-16

Week 43, ending 30 October 2016

Number 943

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

Country	Reported AFP cases by week of onset - Week (43/16) / Ending on : 30/10/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	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	W40 09 Oct 16	W41 16 Oct 16	W42 23 Oct 16	W43 30 Oct 16
Afghanistan	2421	2738	2375	50	53	53	59	27	47	47	64	47	48	45	9
Bahrain	16	19	12	1	0	0	0	0	0	0	0	0	0	0	0
Djibouti	3	3	3	0	0	0	0								
Egypt	1000	1046	851	14	19	18	11	7	21	31	19	14	31	19	4
Iran	753	780	611	19	15	15	13	12	21	13	8	7	10	1	0
Iraq	590	520	474	11	10	7	12	5	2	14	11	8	11	3	1
Jordan ****	62	90	85	0	1	3	2	2	0	0	2	2	4	1	1
Kuwait	32	32	32	1	1	0	0	0	0	1	0	1	1	1	0
Lebanon ****	50	113	92	6	2	2	2	1	1	2	2	1	4	6	
Libya	43	54	47	2	0	1	1	0	1	2	1	4	0	0	
Morocco	103	79	67	2	0	6	1	3	3	4	1	1	2	1	
Oman	34	39	33	0	2	0	1	1	2	2	0	0	0	0	
Pakistan	5370	5814	5659	166	190	199	149	122	148	170	138	103	99	24	0
Palestine ****	21	38	42	0	2	0	0	1	2	1	0	1	0	0	0
Qatar	7	11	7	1	0	0	0	0	0	1	1	0	0	0	0
Saudi Arabia	227	254	181	7	2	5	1	2	2	2	1	0	1	3	0
Somalia	420	281	249	4	6	5	2	4	5	7	6	5	5	3	0
Sudan	442	436	423	18	14	9	12	7	9	8	11	11	2	0	
Syria ****	306	235	235	12	11	6	4	10	4	3	7	3	2	1	
Tunisia	44	64	63	0	1	0	1	1	0	2	1	1	0	0	
U.A.E	25	31	27	0	0	1	0	0	0	0	1	0	0	0	0
Yemen	578	537	605	10	21	15	12	9	7	20	11	14	7	11	1
Total EMR	12547	13214	12173	324	350	345	283	214	275	330	285	223	227	119	16

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	30/10		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	17	9	2	1	1	2	1	1	1	0	0	2	1	
Bahrain	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	42	15	9	3	2	4	2	3		2	1		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	59	24	11	4	3	6	3	4	1	2	1	2	2	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 (43/16) / Ending on : 30/10/2016)

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	2375	9	0	207	2158	1	14.4	25	0	92.3	9	0	30/10/2016		
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	12	0	0	0	12	0	5.3	0	0	100.0	0	0	30/10/2016		
Djibouti	3	0	0	0	3	0	1.0	0	0	66.7	0	0	3	0	0	2	1	0	1.2	2	0	33.3	0	0	10/09/2016		
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	851	0	0	98	753	0	2.7	1	0	90.6	0	0	27/10/2016		
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	611	0	0	21	589	0	3.9	1	0	95.3	0	0	30/10/2016		
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	474	0	0	53	420	1	3.9	21	2	82.3	0	0	29/10/2016		
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	85	0	0	22	63	0	3.6	3	0	97.6	0	0	30/10/2016		
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	32	0	0	3	29	0	4.4	1	0	87.5	0	0	30/10/2016		
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	92	0	0	19	73	0	5.8	8	0	79.3	0	0	29/10/2016		
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	47	0	0	7	40	0	2.8	0	0	91.5	0	0	23/10/2016		
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	67	0	0	27	40	0	0.8	13	0	61.2	0	0	28/10/2016		
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	33	0	0	2	31	0	4.6	0	0	87.9	0	0	24/10/2016		
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	5659	15	1	414	5229	0	8.7	62	7	88.8	15	0	30/10/2016		
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	42	0	0	7	35	0	2.7	0	0	97.6	0	0	30/10/2016		
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	7	0	0	3	4	0	2.8	0	0	100.0	0	0	30/10/2016		
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	181	0	0	23	158	0	2.3	0	0	98.3	0	0	30/10/2016		
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	249	0	0	16	233	0	5.2	0	0	99.6	0	0	30/10/2016		
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	423	0	0	25	398	0	3.0	1	0	97.9	0	0	24/10/2016		
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	235	0	0	21	214	0	3.6	2	0	87.7	0	0	27/10/2016		
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	63	0	0	4	59	0	2.9	0	0	81.0	0	0	28/10/2016		
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	27	0	0	1	26	0	3.2	0	0	100.0	0	0	30/10/2016		
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	605	0	0	193	411	1	5.6	34	25	90.7	0	0	29/10/2016		
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	12173	24	1	1168	10976	3	5.9	174	34	90.3	24	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



Table 4: Investigation of contacts of AFP cases with paralysis onset in 2016 up to Week (43/16) / Ending on : (30/10/2016)

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	2375	183	90.2	89.6	1143	96.9	61.5	25.1	23.7	9.2	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	851	90	57.8	55.6	252	76.2	61.5	97.4	17.2	5.2	0	0.0		0	0
Iran	611	31	83.9	64.5	130	62.3	32.3	83.1	2.3	2.3	0	0.0		0	0
Iraq	474	84	66.7	58.3	504	61.7	24.6	89.6	15.8	4.8	0	0.0		0	0
Jordan	85	2	0.0	0.0	0						0			0	0
Kuwait	32	4	50.0	50.0	45	51.1	73.3	100.0	0.0	0.0	0	0.0		0	0
Lebanon	92	19	31.6	31.6	97	46.4	72.2	0.0	0.0	9.4	0	0.0		0	0
Libya	47	4	0.0	0.0	0						0			0	0
Morocco	67	26	34.6	34.6	45	57.8	20.0	30.0	7.5	0.0	0	0.0		0	0
Oman	33	4	25.0	25.0	44	86.4	38.6	81.8	0.0	2.3	0	0.0		0	0
Pakistan	5659	632	81.0	78.6	1751	87.8	60.5	68.1	24.8	6.0	3	0.2		0	0
Palestine	42	1	0.0	0.0	0						0			0	0
Qatar	7	0			0						0			0	0
Saudi Arabia	181	3	0.0	0.0	0						0			0	0
Somalia	249	1	100.0	100.0	735	92.7	99.3	41.5	13.3	3.6	0	0.0		0	0
Sudan	423	9	88.9	88.9	153	77.1	50.3	33.0	12.6	0.0	0	0.0		0	0
Syria	235	29	62.1	27.6	566	26.5	73.0	59.0	2.4	0.6	0	0.0		0	0
Tunisia	63	12	25.0	0.0	9	0.0	44.4	100.0	0.0	0.0	0	0.0		0	0
U.A.E.	27	0			0						0			0	0
Yemen	605	56	82.1	73.2	1429	59.2	73.0	1.0	16.6	2.5	0	0.0	1	0	0
Grand Total 2016	12173	1192	76.0	71.9	6906	74.7	64.9	47.8	17.5	4.9	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 - 30/10/2016

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
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
2016 Total				2	23/01/2016	26/02/2016



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (43/16) / Ending on : (30/10/2016)

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	2309	176	26	496	1524	87	1	7	105		19	1	125		3			20%	95%	98%	97%	29/10/2016			
Bahrain	PNL Oman	12	1			11											1	0%	100%		82%	24/10/2016				
Djibouti	NPL Kenya	1			1													100%			100%	10/09/2016				
Egypt***	RRL Egypt	827	26	1	119	578	40	63		7		7		14	1	3	2	1	13%	100%	100%	99%	30/10/2016			
Iran	NPL Iran	627	8		14	584	21			5		1		3	1				2%	100%	100%	99%	29/10/2016			
Iraq	RRL Egypt	466	13		40	388	21	5		4		9	1	7					11%	100%	100%	87%	27/10/2016			
Jordan	RRL Tunisia	86	4		9	70	3			5				2					11%	100%	100%	100%	30/10/2016			
Kuwait	RRL Kuwait	41	1		1	37	1	1									1	1%	74%		89%	24/10/2016				
Lebanon	NPL Jordan	89	2		7	74	4	3											7%	100%		100%	30/10/2016			
Libya	RRL Tunisia	47	2		2	37	6			2									5%	100%	100%	98%	28/10/2016			
Morocco	RRL Tunisia	51	1		2	40		8									1	11%	98%		90%	28/10/2016				
Oman	NPL Oman	36			10	25	1												19%	100%		100%	24/10/2016			
Pakistan	RRL Pakistan	5726	320	33	1317	3833	220		15	174		33		215		6			21%	97%	98%	97%	29/10/2016			
Palestine & UNRWA		42			4	38													10%	29%		97%	30/10/2016			
Qatar	NPL Oman	7			1	6													14%	100%		100%	24/10/2016			
Saudi Arabia	NPL Oman	153			2	145		6						1					1%	100%	100%	83%	14/08/2015			
Somalia	NPL Kenya	249	2	12	35	184	7	9		9		10		11					20%	11%		99%	30/10/2016			
Sudan	RRL Egypt	434	2		67	342	21	2						1					16%	86%	100%	50%	30/10/2016			
Syria	RRL Egypt	257	6		14	232	3	2		2		1		4					4%	100%	100%	100%	30/10/2016			
Tunisia	RRL Tunisia	66			3	58	5												6%	100%		98%	28/10/2016			
U.A.E	NPL Oman	25			2	23													6%	100%		100%	24/10/2016			
Yemen	RRL Egypt	1002	23	4	133	516	19	307		8		4	2	12		1	1	1	19%	35%	100%	53%	30/10/2016			
Total EMR 2016		12553	587	76	2279	8745	459	407	22	321		84	4	395	2	13	3	5	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: Environmental isolate by year and type

Country	Status	2010	2011	2012	2013	2014	2015	2016
AFG	NEGATIVE				9	78	129	127
	PENDING							14
	WILD					17	20	
AFG Total					9	95	149	141
EGY	NEGATIVE	183	178	196	304	410	412	382
	PENDING							29
	WILD			2				
	VDPV1			1		1		
	VDPV2			7	3	2	3	1
EGY Total		183	178	206	307	413	415	412
LEB	NEGATIVE							1
	PENDING							
LEB Total								1
PAK	NEGATIVE	77	68	151	257	237	347	351
	PENDING							34
	WILD	79	136	88	63	125	79	39
	WILD & VDPV2				2	6	5	
	VDPV2					4	8	3
PAK Total		156	204	239	322	372	439	427
EMR	NEGATIVE	260	246	347	570	725	888	861
	PENDING							77
	WILD	79	136	90	63	142	99	39
	WILD & VDPV2				2	6	5	
	VDPV1			1		1		
VDPV2			7	3	6	11	4	
EMR Total		339	382	445	638	880	1003	981

Table 7: Environmental Wild/VDPV isolate by site

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	
				JALALABAD	4	22-02-15	27-12-15	
	AFG Total				20	04-01-15	27-12-15	
	EGY	VDPV2	CAIRO	EL SAFF	1	16-06-15	16-06-15	
				AL WASLA	1	04-02-15	04-02-15	
				HURGADA	1	26-05-15	26-05-15	
	EGY Total				3	04-02-15	16-06-15	
	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
				PUNJAB	LAHORE	4	12-01-15	12-10-15
					MULTAN	4	08-04-15	31-08-15
					RAWALPINDI	5	10-03-15	14-12-15
SINDH				HYDERABAD	2	03-02-15	03-12-15	
				JACOBABAD	5	08-01-15	04-11-15	
				KHIGADAP	16	06-01-15	22-12-15	
				KHIGIQBAL	6	13-01-15	14-12-15	
WILD1 & VDPV2				BALOCHISTAN	QUETTA	3	28-03-15	12-12-15
	KHYBER PAKHTUNKHWA	PESHAWAR	1		26-02-15	26-02-15		
		KHIGADAP	1		22-01-15	22-01-15		
	PUNJAB	1	13-04-15		13-04-15			
	VDPV2	SINDH	KHIGADAP		5	14-01-15	18-03-15	
KHIGIQBAL			2	08-06-15	07-07-15			
PAK Total				92	03-01-15	22-12-15		
2015 Total				115	03-01-15	27-12-15		
2016	EGY	VDPV2	SOUTH SINAI	AL-TUR	1	15-03-16	15-03-16	
				EGY Total	1	15-03-16	15-03-16	
2016	PAK	WILD1	BALOCHISTAN	KABDULLAH	2	15-01-16	15-09-16	
				PISHIN	4	02-08-16	16-09-16	
				QUETTA	6	12-02-16	16-09-16	
				KHYBER PAKHTUNKHWA	DIKHAN	1	16-07-16	16-07-16
					PESHAWAR	6	11-01-16	15-09-16
				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
				SINDH	HYDERABAD	1	05-01-16	05-01-16
					JACOBABAD	3	04-02-16	16-08-16
					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	2	20-06-16	16-09-16			
		SINDH	1	11-07-16	11-07-16			
PAK Total				42	05-01-16	16-09-16		
2016 Total				43	05-01-16	16-09-16		



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 30/10/2016

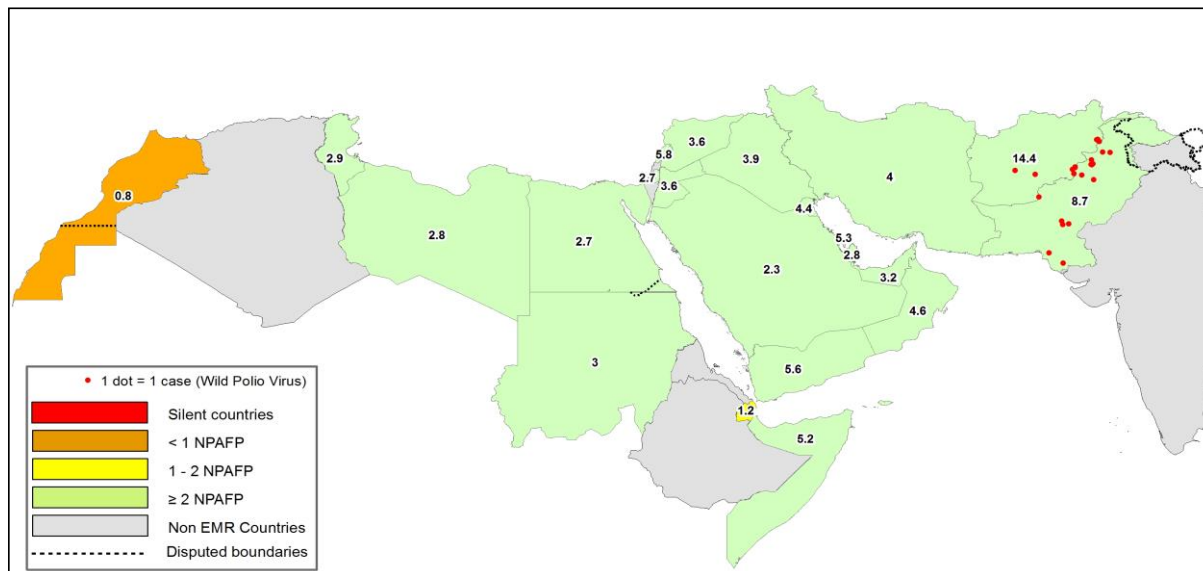


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 30/10/2016

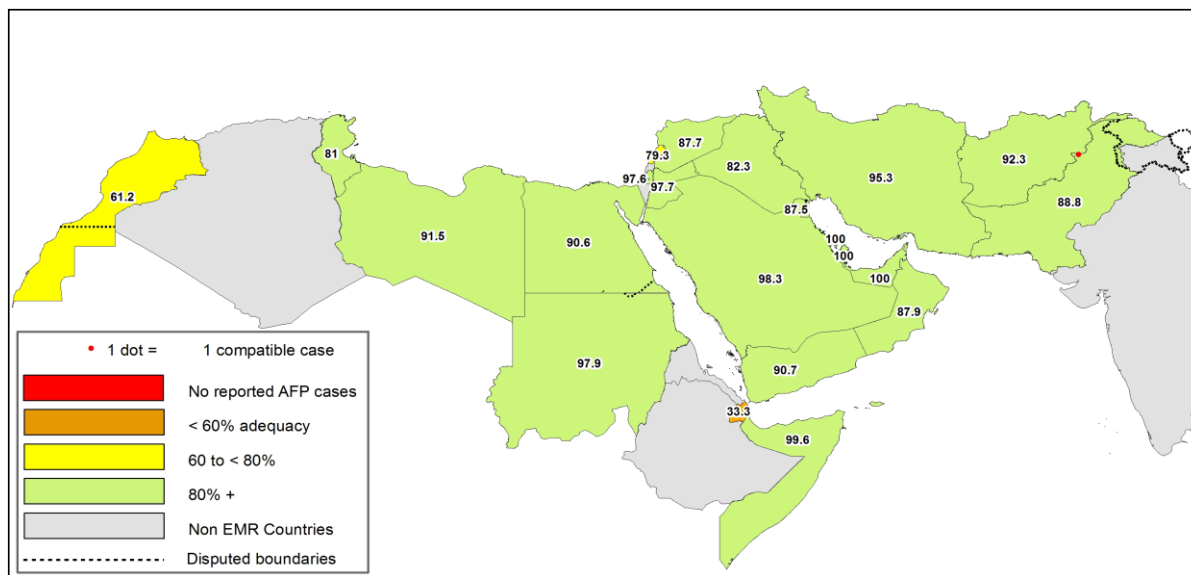


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

Year	COUNTRY	P1		
		Count	First Case	Last Case
2015	AFG	20	21-01-15	20-12-15
	PAK	54	03-01-15	31-12-15
2015 Total		74	03-01-15	31-12-15
2016	AFG	9	23-01-16	28-09-16
	PAK	15	17-01-16	03-09-16
2016 Total		24	17-01-16	28-09-16

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 - 30/10/2016

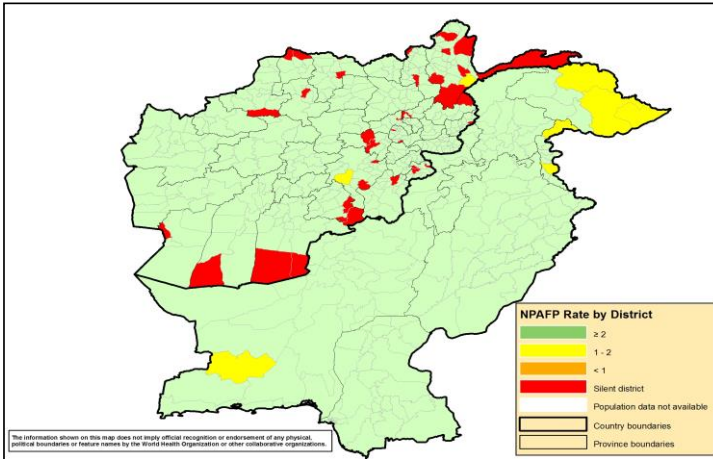


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 30/10/2016

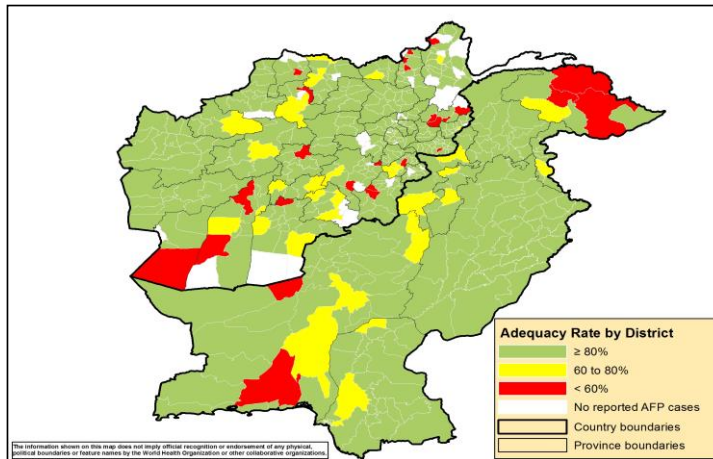
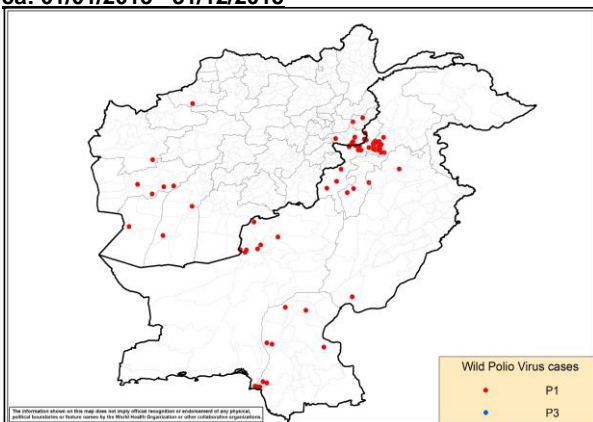


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 30/10/2016

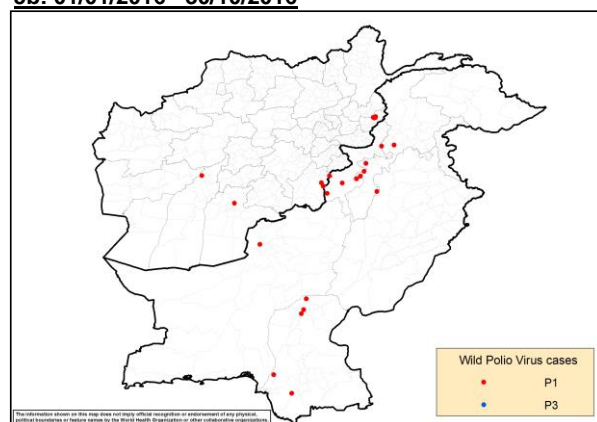




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

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	3	02-08-16	28-09-16	
	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	28-09-16	

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
	SINDH	CHAKWAL	1	11-09-15	11-09-15
		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	20-11-15
		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	SINDH	SUJAWAL	1	03-09-16	03-09-16
		SHIKARPUR	2	05-03-16	12-04-16
		JACOBABAD	1	10-02-16	10-02-16
		KHIGADAP	1	17-01-16	17-01-16
	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
BALOCHISTAN		QUETTA	1	01-02-16	01-02-16
2016 Total			15	17-01-16	03-09-16



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
			KHYBER PAKHTOON	1	05/02/2015	05/02/2015
			HANGU	2	05/02/2015	09/02/2015
PAK Total				2	05/02/2015	09/02/2015
2015 Total				2	05/02/2015	09/02/2015

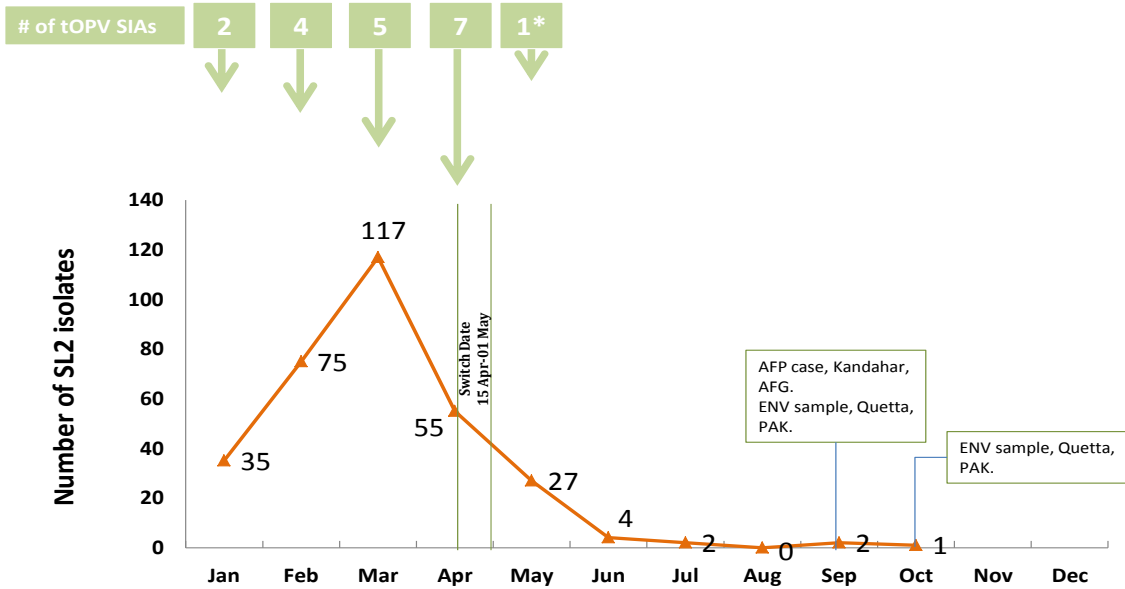
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

Country	VDPV2 and SL2 by month, EMR Countries 2016																								
	Source	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							1	1							
AFG	Contact		1			6		2		1															
AFG	ENV	3		2		11																			
BAH	AFP																								
BAH	Contact																								
BAH	ENV																								
DJI	AFP																								
DJI	Contact																								
DJI	ENV																								
EGY	AFP		1		4		1																		
EGY	Contact				3																				
EGY	ENV		9		19	1	20		5		8														
IRA	AFP										1														
IRA	Contact																								
IRA	ENV																								
IRQ	AFP		2	1	1		5		1																
IRQ	Contact		3		1		7		9																
IRQ	ENV																								
JOR	AFP																								
JOR	Contact																								
JOR	ENV																								
KWT	AFP																								
KWT	Contact																								
KWT	ENV																								
LEB	AFP																								
LEB	Contact																								
LEB	ENV																								
LIB	AFP																								
LIB	Contact																								
LIB	ENV																								
MOR	AFP																								
MOR	Contact																								
MOR	ENV																								
OMA	AFP																								
OMA	Contact				1																				
OMA	ENV																								
PAK	AFP		7		7		16				3														
PAK	Contact				1		7		5		1														
PAK	ENV		7		32		27		26		9	1	3	1	1			1	1			1			
PAL	AFP																								
PAL	Contact																								
PAL	ENV																								
QAT	AFP																								
QAT	Contact																								
QAT	ENV																								
SAA	AFP																								
SAA	Contact																								
SAA	ENV																								
SUD	AFP																								
SUD	Contact																								
SUD	ENV																								
SOM	AFP				1		6		1				1		1										
SOM	Contact																								
SOM	ENV																								
SYR	AFP										1														
SYR	Contact																								
SYR	ENV																								
TUN	AFP																								
TUN	Contact																								
TUN	ENV																								
UAE	AFP																								
UAE	Contact																								
UAE	ENV																								
YEM	AFP		1						1		1			1*											
YEM	Contact				1				2					1*											
YEM	ENV																								
EMR	AFP		12	1	15		39		6		8		1	1	1			2	1						
EMR	Contact		4		7		20		18		2			1											
EMR	ENV		19		53	1	58		31		17	1	3	1	1				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



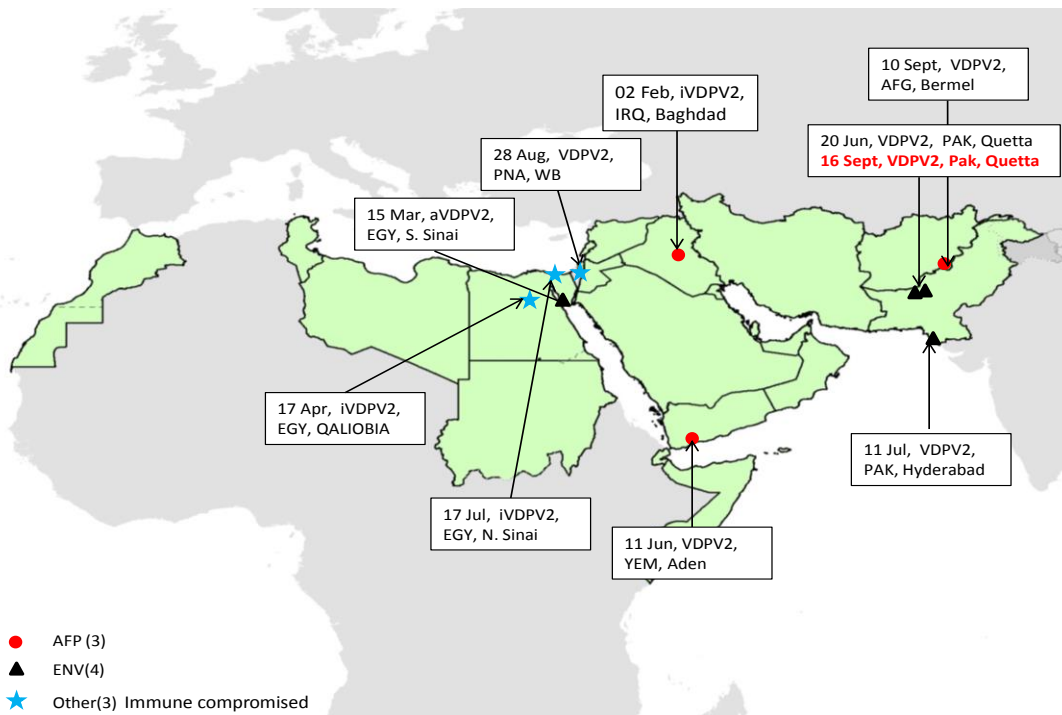
SL2 isolates in EMR countries from Human and ENV 2016



* Focused tOPV campaign in Bir Tur district (S. Sanai/Egy) as a response to VDPV2 isolation

Data up to W43, 30 Oct 2016

VDPV2 isolates, EMR countries, 2016



Data up to W43, 30 Oct 2016