



World Health Organization – Regional Office for Eastern Mediterranean

AFP SURVEILLANCE

11-Sep-16

Week 36 ending 11 Sep 2016

Number 936

Table 1: Acute Flaccid Paralysis (AFP) cases by week of onset up to Week (36/16) / Ending on : 11/09/16

Country	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	W 24 19 Jun 16	W 25 26 Jun 16	W 26 03 Jul 16	W 27 10 Jul 16	W 28 17 Jul 16	W 29 24 Jul 16	W 30 31 Jul 16	W 31 07 Aug 16	W 32 14 Aug 16	W 33 21 Aug 16	W 34 28 Aug 16	W 35 04 Sep 16
Afghanistan	2421	2738	2021	66	63	62	65	49	79	68	49	52	52	45	1
Bahrain	16	19	12	0	0	0	0	0	0	0	1	0	0	0	0
Djibouti	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	1000	1046	704	18	8	17	12	23	14	26	14	19	18	10	0
Iran	753	780	513	13	8	16	17	15	16	11	19	12	6	1	0
Iraq	590	520	413	6	6	7	10	11	3	12	11	9	6	8	0
Jordan ****	62	90	74	2	1	1	2	1	3	4	0	1	3	2	1
Kuwait	32	32	28	0	1	1	0	0	1	1	1	1	0	0	0
Lebanon ****	50	113	73	2	3	2	1	4	3	2	5	2	2	2	0
Libya	43	54	37	1	0	1	0	0	3	1	1	0	1	0	0
Morocco	103	79	37	1	2	2	0	0	1	0	0	0	0	0	0
Oman	34	39	27	1	1	2	2	0	2	0	0	2	0	0	0
Pakistan	5370	5814	4470	137	129	140	135	181	141	173	143	143	98	26	0
Palestine ****	21	38	37	0	0	1	0	1	2	1	0	2	0	0	0
Qatar	7	11	5	0	0	0	0	0	0	0	1	0	0	0	0
Saudi Arabia	227	254	164	2	1	0	1	2	2	2	7	1	0	0	0
Somalia	420	281	212	14	2	3	2	7	10	7	4	6	5	0	0
Sudan	442	436	369	13	8	10	12	17	18	15	18	14	8	7	0
Syria ****	306	235	200	2	4	2	2	3	10	9	11	11	4	1	1
Tunisia	44	64	56	1	0	0	5	1	1	1	0	1	0	0	0
U.A.E	25	31	26	0	0	0	0	1	1	1	0	0	1	0	0
Yemen	578	537	507	17	7	15	16	20	17	21	10	19	10	2	0
Total EMR	12547	13214	9988	296	244	282	282	336	327	355	295	295	214	104	3

No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	11/09		Confirmed polio cases by month of onset												
			2015	2016	October 2015	November 2015	December 2015	January 2016	February 2016	Mar 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	0	0	3	0
Bahrain	0	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	0	0
Egypt	0	0	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	0	0
Iraq	2	0	0	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	0	0
Kuwait	0	0	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	0	0
Libya	0	0	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	0	0
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	306	54	35	14	4	9	3	2	4	2	3	0	2	1	0	0	0
Palestine ****	0	0	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	0	0
Saudi Arabia	0	0	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	0	0
Sudan	0	0	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	0	0
Tunisia	0	0	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	0	0
Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total EMR	342	74	48	23	8	11	4	3	6	3	4	1	2	1	3	0	0

**** UNRWA cases are included with those of country of residence



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Table 3: Investigation of AFP cases with paralysis onset in 2015 & 2016 up to Week (36/16) / Ending on : 11/09/16

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	
		Total Confirmed Polio Cases *	Polio Compatible	Pending Classification	Discarded (non polio AFP)	VDPV				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	2021	9	0	179	1833	0	14.6	7	0	92.2	9	0	11/09/16
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	12	0	0	1	11	0	6.3	0	0	100.0	0	0	11/09/16
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	11/09/16
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	704	0	0	82	622	0	2.6	1	0	92.3	0	0	11/09/16
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	513	0	0	33	479	0	3.9	0	0	95.5	0	0	11/09/16
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	413	0	0	40	372	1	4.1	10	1	81.6	0	0	11/09/16
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	74	0	0	26	48	0	3.8	4	0	97.3	0	0	11/09/16
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	28	0	0	4	24	0	4.6	0	0	85.7	0	0	
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	73	0	0	16	57	0	4.8	5	0	83.6	0	0	11/09/16
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	37	0	0	6	31	0	2.6	0	0	91.9	0	0	
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	37	0	0	17	20	0	0.5	11	1	62.2	0	0	
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	27	0	0	8	19	0	4.5	0	0	88.9	0	0	11/09/16
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	4470	14	0	367	4089	0	8.2	58	4	89.7	14	0	11/09/16
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	37	0	0	7	30	0	2.8	0	0	97.3	0	0	11/09/16
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	5	0	0	1	4	0	2.4	0	0	100.0	0	0	11/09/16
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	164	0	0	28	136	0	2.4	7	5	98.8	0	0	11/09/16
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	212	0	0	10	202	0	5.3	0	0	99.5	0	0	11/09/16
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	369	0	0	23	346	0	3.1	0	0	97.6	0	0	11/09/16
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	200	0	0	33	167	0	3.7	0	0	89.0	0	0	11/09/16
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	56	0	0	5	51	0	3.1	0	0	82.1	0	0	11/09/16
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	26	0	0	1	25	0	3.7	0	0	100.0	0	0	11/09/16
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	507	0	0	136	370	1	5.6	42	40	91.7	0	0	
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	9988	23	0	1025	8937	2	5.8	147	51	91.0	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



Table 4: Investigation of contacts of AFP cases with paralysis onset in 2016 up to Week (36/16) / Ending on : 11/09/16

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	2021	157	89.2	89.2	932	96.6	65.2	26.2	24.1	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	704	63	73.0	71.4	217	77.4	61.8	96.7	12.8	6.1	0	0.0		0	0
Iran	513	25	68.0	56.0	97	64.9	35.1	84.5	3.1	0.0	0	0.0		0	0
Iraq	413	76	72.4	63.2	502	62.0	20.7	89.2	16.2	5.4	0	0.0		0	0
Jordan	74	2	0.0	0.0	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	73	12	8.3	8.3	6	66.7	50.0	0.0	0.0	0.0	0	0.0		0	0
Libya	37	3	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	27	3	33.3	33.3	44	86.4	38.6	81.8	0.0	2.3	0	0.0		0	0
Pakistan	4470	462	79.4	77.3	1336	87.2	59.8	68.9	24.6	5.6	3	0.2		0	0
Palestine	37	1	0.0	0.0	0						0			0	0
Qatar	5	0			0						0			0	0
Saudi Arabia	164	2	0.0	0.0	0						0			0	0
Somalia	212	1	100.0	100.0	626	92.5	99.4	40.3	14.1	3.7	0	0.0		0	0
Sudan	369	9	77.8	77.8	132	75.0	50.0	39.1	13.8	0.0	0	0.0		0	0
Syria	200	22	59.1	22.7	472	26.9	79.4	60.5	2.5	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	507	42	83.3	71.4	1173	58.6	74.0	1.3	16.8	2.7	0	0.0		0	0
Grand Total 2016	9988	910	76.0	72.2	5617	74.4	65.5	48.9	17.6	4.6	6	0.1		2	1
Grand Total 2015	13214	1314	79.5	73.8	7465	74.3	63.8	45.8	17.6	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, 2015-2016

Distribution of AFP cases confirmed by contacts' stool samples while index is negative EMRO 2015-2016

Year	Country	Count of wild contacts	Date of Most Recent stool collection
2015	Afghanistan	9	13/01/16
	Pakistan	2	27/07/15
2015 Total		11	13/01/16
2016	Pakistan	3	15/06/16
	Afghanistan	3	04/04/16
2016 Total		6	15/06/16

Year	COUNTRY	PROVINCE	DISTRICT	Count	First case	Last case
2015	AFG	FARAH	GULESTAN	1	23/04/15	23/04/15
			BAKWA	1	21/04/15	21/04/15
		KANDAHAR	SHAHWALIKOT	1	20/12/15	20/12/15
	AFG Total			3	21/04/15	20/12/15
PAK	KHYBER PAKHTOON	PESHAWAR	1	08/06/15	08/06/15	
		TANK	1	25/01/15	25/01/15	
PAK Total			2	25/01/15	08/06/15	
2015 Total			5	25/01/15	20/12/15	
2016	AFG	KUNAR	SHIGAL WA SHEL TAN	1	26/02/16	26/02/16
			NAWZAD	1	23/01/16	23/01/16
	AFG Total			2	23/01/16	26/02/16
2016 Total			2	23/01/16	26/02/16	



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Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (36/16) / Ending on : 11/09/16

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	VDPV	Wild	Sabin	VDPV	Wild	Sabin	VDPV									
Afghanistan	RRL Pakistan	1975	147	20	429	1276	105		7	81			18			108		2	2			20%	96%	98%	97%	
Bahrain	PNL Oman	11	1			10														1		0%	100%		80%	
Djibouti	NPL Kenya	1			1																	100%			100%	
Egypt***	RRL Egypt	694	24	1	104	533	31	1		7			7			14		1	1	2	1	12%	100%	100%	99%	
Iran	NPL Iran	514	8		14	490	2			5			1			3		1				3%	100%	100%	99%	
Iraq	PNL Iraq, RRL Egypt	405	12		33	337	19	4		3			9	1		6						12%	100%	100%	85%	
Jordan	PNL Jordan, RRL Egypt	77	4		8	62	3			3						2						10%	100%	100%	100%	
Kuwait	RRL Kuwait	28	1			18		9												1		0%	89%		83%	
Lebanon	PNL Jordan, RRL Egypt	77	2		7	60	7	2														8%	100%			
Libya	RRL Tunisia	36	2		1	32	1			2												3%	100%	100%	97%	
Morocco	PNL Morocco, RRL Tunisia	42	1		2	33	6													1		12%	97%		91%	
Oman	NPL Oman	27			8	17		2														18%	100%		100%	
Pakistan	RRL Pakistan	4637	249	18	1001	2999	343	27	14	133			32			151			4			20%	98%	99%	97%	
Palestine & UNRWA		37			4	31		2														11%	41%		100%	
Qatar	NPL Oman	4			1	3																25%	100%		100%	
Saudi Arabia	PNL Saudi Arabia, NPL Oman	153			2	145		6								1						1%	100%	100%	83%	
Somalia	NPL Kenya	212	3	11	32	157	4	5		8			9			10				1		21%	10%		99%	
Sudan	PNL Sudan, RRL Egypt	367	1		57	289	19	1														16%	91%		100%	
Syria	PNL Syria, RRL Egypt	222	5		8	188	12	9		2			1			4						4%	100%	100%	100%	
Tunisia	RRL Tunisia	57			1	55		1														2%	100%		98%	
U.A.E	NPL Oman	24			2	20		2														7%	100%		100%	
Yemen	RRL Egypt	774	23	4	129	478	15	125		8			4	2		12			1	1	1	19%	37%	100%	56%	
Total EMR 2016		10374	483	54	1844	7233	567	196	21	252			81	3		311		4	8	3	6	17%	92%	99%	94%	
Total EMR 2015		12987	741	97	2315	9801		30	69	361			188	8		414		4	31	10	2	16%	92%	99%	94%	

* 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
-ve WPV&	183	178	196	304	410	412	332
Pending							27
Wild			2				
VDPVP2			7	3	2	3	1
VDPVP1			1		1		
Total	183	178	206	307	413	415	360

Table 6 (b): Environmental Wild/VPV isolate by site **Egypt**.

Year	Province	Site	Count	First date	Last Date
2015	CAIRO	EL SAFF	1	16/06/15	16/06/15
		GIZA	1	04/02/15	04/02/15
		HURGADA	1	26/05/15	26/05/15
	VDPVP2 Total			3	04/02/15
2016	SOUTH SINAI	AL-TUR	1	15/03/16	15/03/16
VDPVP2 Total			1	15/03/16	15/03/16

Table 7 (a) Environmental isolate by year and type **Afghansitan/Pakistan**

COUNTRY1	Status	2009	2010	2011	2012	2013	2014	2015	2016	
AFG	Negative						9	78	129	104
	Pending									10
	Wild							17	20	
AFG Total										
							9	95	149	113
PAK	Negative	27	77	68	150	256	237	346	349	
	Pending								37	
	Wild	18	79	136	89	64	125	79	35	
	Wild & VDPV2					2	6	5		
PAK Total										
		45	156	204	239	322	372	438	423	

Table 7 (b) Environmental Wild/VPV isolate by site **Afghansitan/Pakistan**

Year	COUNTR	Status	SITEDIST	SITENAME	Count	Wild	First date	Last date			
2015	AFG	Wild	KABUL	KARTI NAW	1		27/12/2015	27/12/2015			
			JALALABAD	SANGI QALA	2		23/11/2015	27/12/2015			
				RADOR BRIDGE	2		22/02/2015	21/09/2015			
			LASHKARGAH	BOLAN BRIDGE	3		25/01/2015	25/10/2015			
				RADIO MAHALLIE	4		22/02/2015	25/11/2015			
			ASADABAD	MANDACOOOL	1		25/10/2015	25/10/2015			
			BEHSUD	HADA FARM	1		25/10/2015	25/10/2015			
			NAHR-E-SARAJ	ZARAT BAGH	2		24/01/2015	19/09/2015			
				BARAN SARAI	1		19/09/2015	19/09/2015			
			KANDAHAR	KHANDAK	2		04/01/2015	26/08/2015			
				RAROBAT	1		26/01/2015	26/01/2015			
			AFG Total					20		04/01/2015	27/12/2015
			2015	PAK	Wild	KHI.GADAP TOWN	BALDIA COMPOSITE	2		06/01/2015	04/02/2015
							SOHRAB GOTH	5		17/08/2015	22/12/2015
	MACHAR COLONY	6					11/05/2015	12/11/2015			
	KHAMISO GOTH	3					20/01/2015	17/11/2015			
KHI.GULSHAN-E-IQBAL TOWN	CHAKORA NULLA	2					13/01/2015	05/05/2015			
	RASHID MINHAS RD LAY	4					02/03/2015	14/12/2015			
RAWALPINDI	SAFDAR ABAD	1					10/10/2015	10/10/2015			
	DHOKE DALLAL	4					10/03/2015	14/12/2015			
PESHAWAR	LARA MA	3					03/01/2015	24/08/2015			
	SHAHEEN TOWN	8					10/01/2015	11/12/2015			
HYDERABAD	TULSIDAS PUMPING STATION	2					03/02/2015	03/12/2015			
JACOBABAD	SADDAR PUMPING STATION	5					08/01/2015	04/11/2015			
QUETTA	JAM-E-SALFIA	2					12/01/2015	12/10/2015			
	JATAK KILLI & TAKHTHANI BY PASS	6					28/01/2015	28/10/2015			
	SUR PUL	4					20/01/2015	20/09/2015			
LAHORE	MULTAN ROAD STATION	2					19/02/2015	19/06/2015			
	OUTFALL STATION-F	1					12/10/2015	12/10/2015			
	OUTFALL STATION-G	1					12/01/2015	12/01/2015			
SUKKUR	MAKKA PUMPING STATION	2					06/01/2015	04/02/2015			
	MIANI PUMPING STATION	4					05/02/2015	11/09/2015			
MULTAN	ALI TOWN	1					18/08/2015	18/08/2015			
	KOTLA ABDUL FATAH	2					28/07/2015	31/08/2015			
	SURAJ MIANI	1					08/04/2015	08/04/2015			
CDA	SABZI MANDI	2		12/01/2015	17/08/2015						
DIKHAN	MODC DRAIN	2		04/03/2015	04/08/2015						
	ZAFAR ABAD DRAIN	1		05/05/2015	05/05/2015						
KABDULLAH	ARMY KAZIBA	2		01/03/2015	01/06/2015						
	HADI PACKET	1		15/01/2015	15/01/2015						
Wild & VDPV2	QUETTA	JAM-E-SALFIA	2		12/09/2015	12/12/2015					
	JATAK KILLI & TAKHTHANI BY PASS	1		28/03/2015	28/03/2015						
	LARA MA	1		26/02/2015	26/02/2015						
VDPV2	KHI.GADAP TOWN	SOHRAB GOTH	1		22/01/2015	22/01/2015					
	KHI.GULSHAN-E-IQBAL TOWN	RASHID MINHAS RD LAY	2		08/06/2015	07/07/2015					
	LAHORE	OUTFALL STATION-G	1		13/04/2015	13/04/2015					
	KHI.GADAP TOWN	SOHRAB GOTH	2		23/02/2015	18/03/2015					
PAK Total					92		03/01/2015	22/12/2015			
2016	PAK	Wild	QUETTA	JAM-E-SALFIA	2		12/02/2016	12/02/2016			
				SUR PUL	2		20/07/2016	20/08/2016			
				RAILWAL PUL	1		01/08/2016	01/08/2016			
			PISHIN	TURWA	2		02/08/2016	17/08/2016			
			RAWALPINDI	SAFDAR ABAD	2		14/04/2016	16/08/2016			
			LAHORE	GULSHAN RAVI STATION	1		05/08/2016	05/08/2016			
			DIKHAN	MODC DRAIN	1		16/07/2016	16/07/2016			
			KHI.GADAP TOWN	BALDIA COMPOSITE	1		14/07/2016	14/07/2016			
				SOHRAB GOTH	1		27/01/2016	27/01/2016			
				MACHAR COLONY	2		08/02/2016	09/03/2016			
				KHAMISO GOTH	1		09/02/2016	09/02/2016			
			PESHAWAR	SHAHEEN TOWN	6		11/01/2016	11/07/2016			
			FAISALABAD	PUMPING STATION 3 ACHIKAIRA	3		03/02/2016	02/07/2016			
			DERA GHAZI KHAN	MAIN DISPOSAL	1		12/05/2016	12/05/2016			
			SUKKUR	MAKKA PUMPING STATION	3		12/01/2016	19/03/2016			
			KHI.GULSHAN-E-IQBAL TOWN	RASHID MINHAS RD LAY	2		18/01/2016	15/03/2016			
			JACOBABAD	SADDAR PUMPING STATION	2		04/02/2016	10/03/2016			
KABDULLAH	HADI PACKET	1		15/01/2016	15/01/2016						
HYDERABAD	TULSIDAS PUMPING STATION	1		05/01/2016	05/01/2016						
Wild & VDPV2	HYDERABAD	TULSIDAS PUMPING STATION	1		11/07/2016	11/07/2016					
	QUETTA	SUR PUL	1		20/06/2016	20/06/2016					
PAK Total					37		05/01/2016	20/08/2016			



Figure 1: Non-Polio AFP Rate and Wild Polio Virus in EMR 01/01/2016-10/07/2016

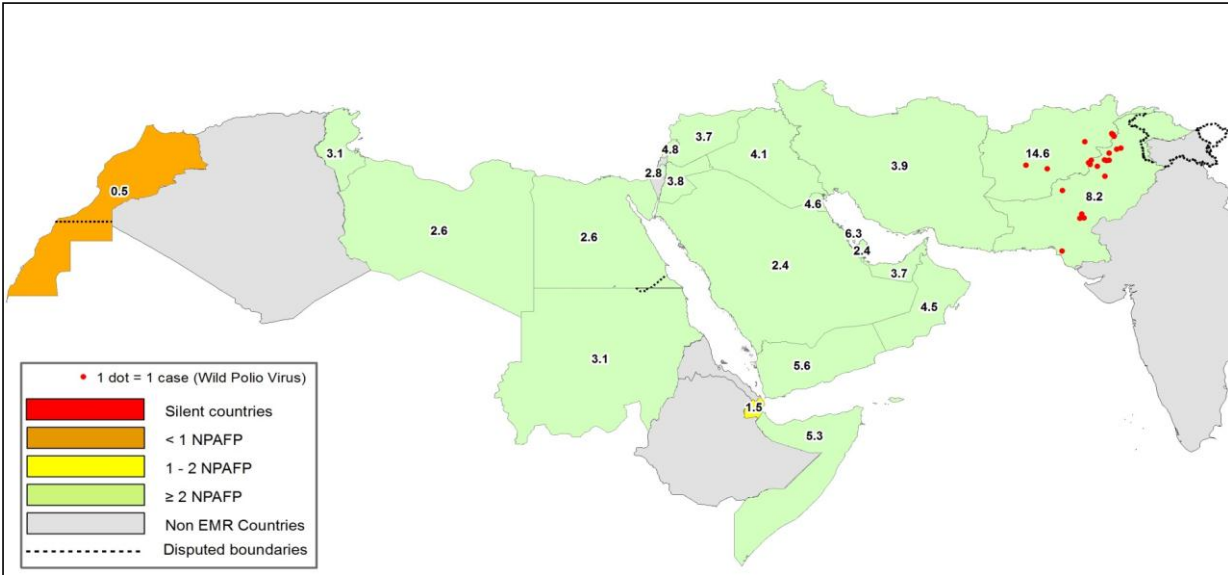


Figure 2: Percent of AFP cases with adequate samples & Compatible Cases in EMR 01/01/2016-10/07/2016

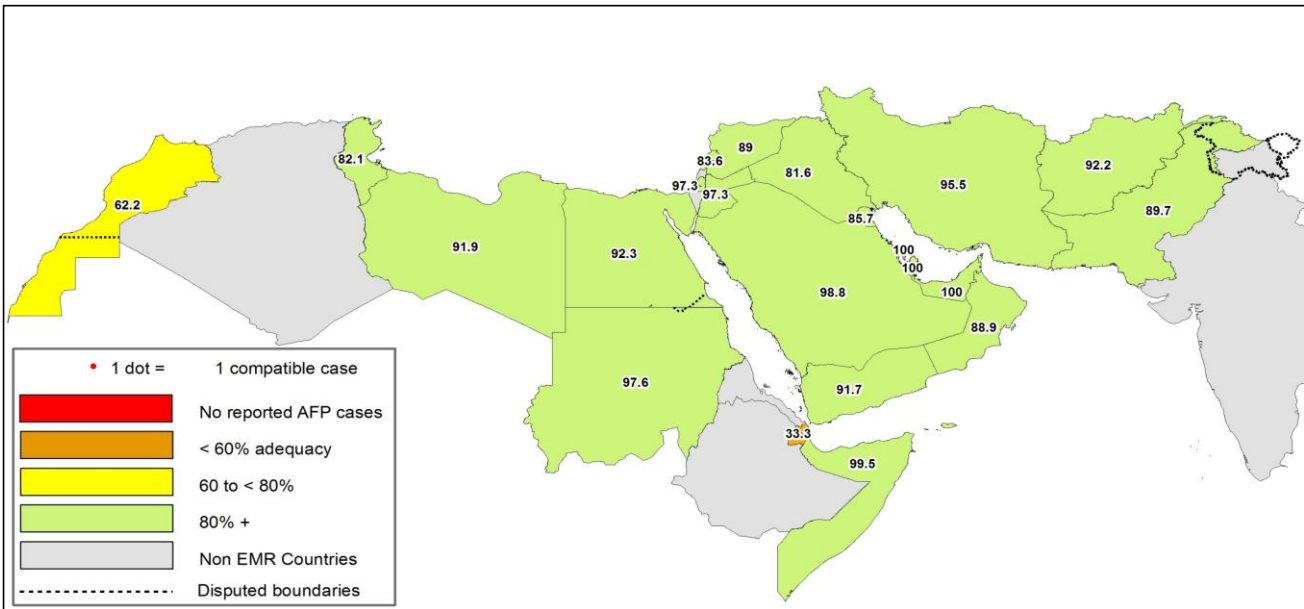


Table 8: Wild Polio Cases by country and date of onset of paralysis in EMR 2015-2016

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, AFG-PAK 2016

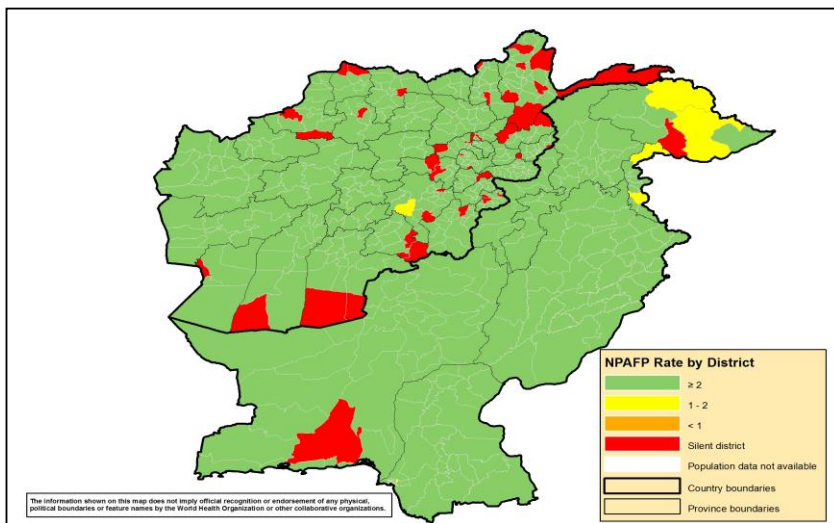


Figure 4: Percent of AFP cases with adequate samples, AFG-PAK 2016

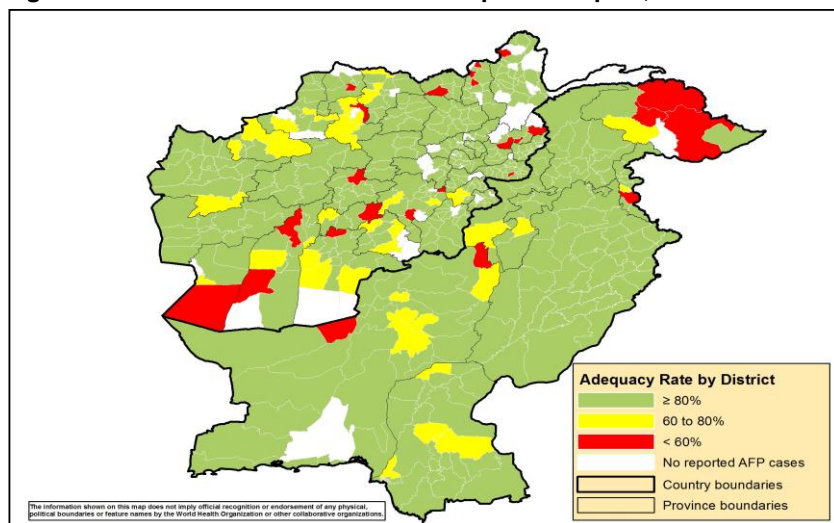


Figure 5: Wild Polio Virus cases by type & district in Afghansitan and Pakistan

Figure 5 (a) 2015

Figure 5 (b) 2016 up to 10 July

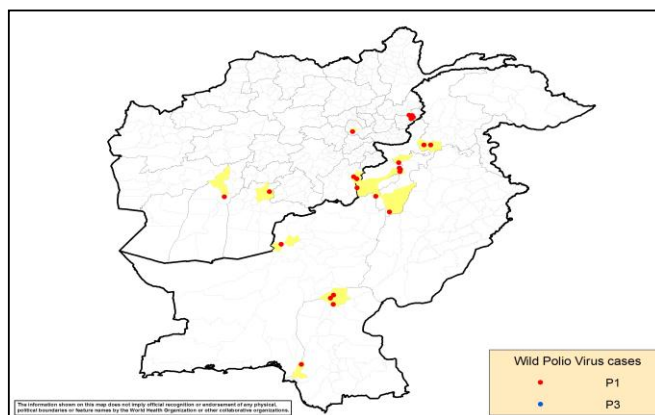
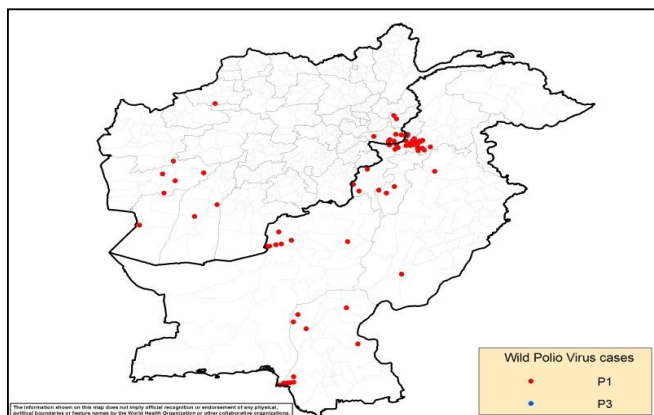




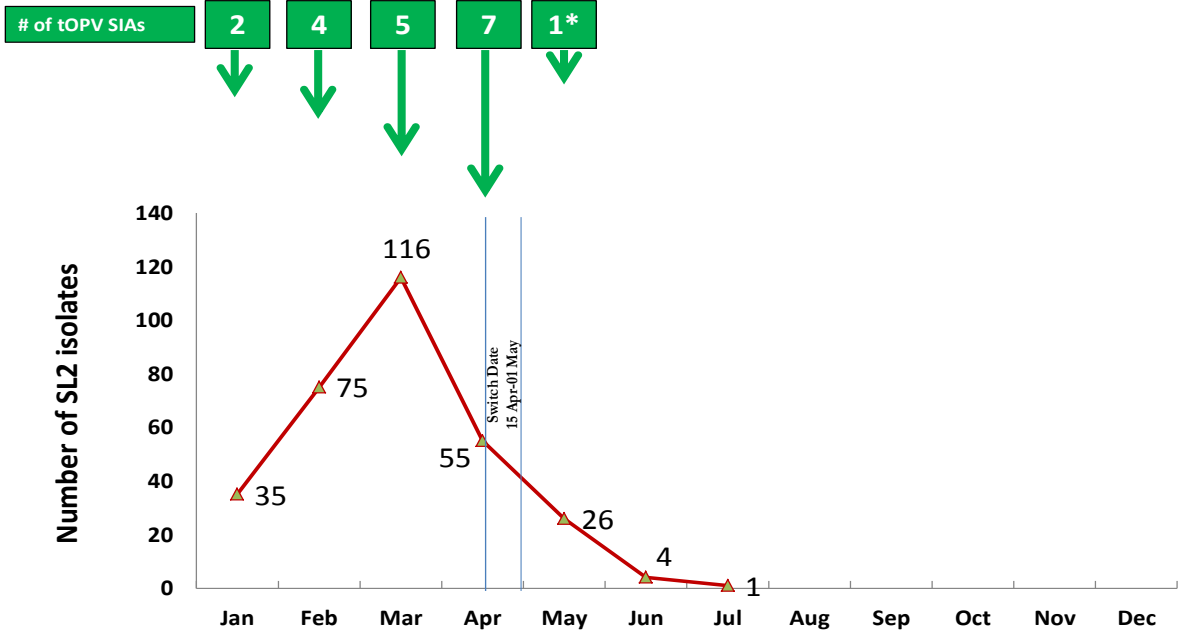
Table 9: Wild Polio Cases by district and date of paralysis onset, Afghansitan 2015-2016

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2015	KANDAHAR	SHAHWALIKOT	1	20/12/15	20/12/15
		KUNAR	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
		MUHMAMD 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 paralysis onset, Paksitan 2015-2016

ONSETYR	COUNTRY	PROVINCE	DISTRICT	Count	First case	Last case	
2015	PAK	KHYBER PAKHTUNKHWA	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	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	PAK	FATA	WAZIR-S	2	18/06/16	27/07/16	
			KHYBER PAKHTUNKHWA	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	

SL2 isolates in EMR countries from Human and ENV 2016

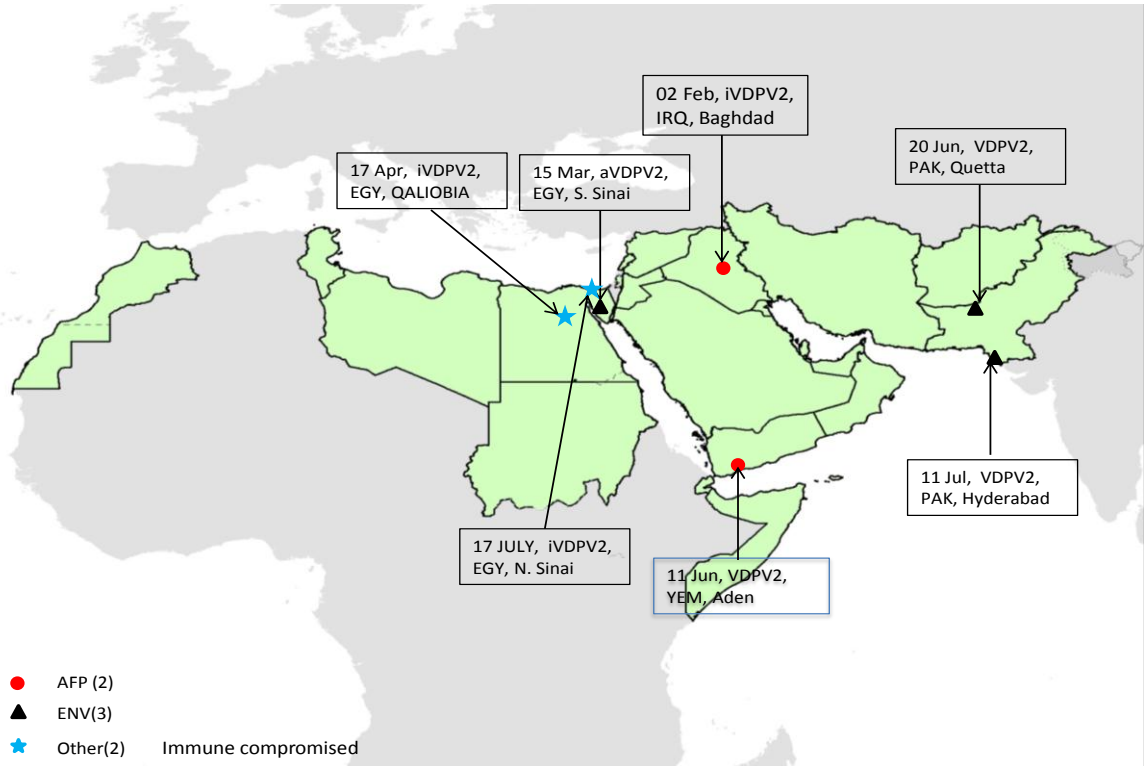


July: one SL2 from PAK ENV, Faisalabad

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

Data up to W36, 11 Sep 2016

VDPV2 isolates, EMR countries, 2016



Data up to W36, 11Sep 2016