



AFP SURVEILLANCE

10-Oct-16

Week 40, ending 9 October 2016

Number 940

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

Country	Reported AFP cases by week of onset - Week (40/16) / Ending on : 09/10/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	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	W40 09 Oct 16
Afghanistan	2421	2738	2172	49	81	69	50	53	53	57	25	46	41	21	
Bahrain	16	19	12	0	0	0	1	0	0	0	0	0	0	0	
Djibouti	3	3	3	0	0	0	0	0	0	0					
Egypt	1000	1046	782	23	14	26	14	19	18	11	7	21	31	16	2
Iran	753	780	574	15	17	11	19	14	15	13	11	18	8	0	
Iraq	590	520	441	11	3	12	11	10	7	12	4	1	12	5	
Jordan ****	62	90	78	1	3	4	0	1	3	2	2	0	0	2	1
Kuwait	32	32	28	0	1	1	1	1	0	0					
Lebanon ****	50	113	82	4	3	2	6	2	2	2	1	1	2	2	1
Libya	43	54	41	0	3	1	2	0	1	1	0	1	1	0	
Morocco	103	79	62	2	1	2	2	0	6	1	2	3	4	1	
Oman	34	39	30	0	2	0	0	2	0	1	1	1	0	0	
Pakistan	5370	5814	5109	186	152	198	161	186	191	137	92	101	85	24	
Palestine ****	21	38	38	1	2	1	0	2	0	0	1	0	0		
Qatar	7	11	7	0	0	0	1	0	0	0	0	0	1	1	0
Saudi Arabia	227	254	173	2	2	2	7	2	5	1	2	0	0	0	
Somalia	420	281	233	7	10	7	4	6	5	2	4	5	7	3	0
Sudan	442	436	405	17	18	15	18	14	9	12	7	9	7	6	1
Syria ****	306	235	223	3	10	9	12	11	6	4	9	4	3	2	
Tunisia	44	64	58	1	1	1	0	1	0	1	1	0	0	0	
U.A.E	25	31	27	1	1	1	0	0	1	0	0	0	0	1	
Yemen	578	537	551	20	17	21	10	21	15	11	9	5	12	1	
<b>Total EMR</b>	<b>12547</b>	<b>13214</b>	<b>11129</b>	<b>343</b>	<b>341</b>	<b>383</b>	<b>319</b>	<b>345</b>	<b>337</b>	<b>268</b>	<b>178</b>	<b>216</b>	<b>214</b>	<b>85</b>	<b>5</b>

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	09/10		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	8	2	1	1	2	1	1	1		0	2		
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		
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	0	
Kuwait	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			
Libya	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			
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pakistan	306	54	38	15	9	3	2	4	2	3		2	1		1	
Palestine ****	0	0	0	0	0	0		0	0		0	0	0			
Qatar	0	0	0	0	0	0	0	0	0	0	0	0	0			
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0				
Somalia	5	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			
Syria ****	1	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			
U.A.E	0	0	0	0	0	0	0	0	0	0	0	0	0			
Yemen	0	0	0	0	0	0					0	0				
<b>Total EMR</b>	<b>342</b>	<b>74</b>	<b>51</b>	<b>23</b>	<b>11</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>

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



Table 3: Investigation of AFP cases with paralysis onset in 2015 &amp; 2016 up to Week (40/16) / Ending on : 09/10/2016)

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	2172	8	0	142	2022	0	14.1	26	1	92.4	8	0	06/10/2016
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	12	0	0	1	11	0	5.7	0	0	100.0	0	0	03/10/2016
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	782	0	0	98	684	0	2.6	0	0	91.2	0	0	08/10/2016
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	574	0	0	28	545	0	4.0	2	1	95.5	0	0	08/10/2016
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	441	0	0	40	400	1	3.9	19	3	81.9	0	0	08/10/2016
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	78	0	0	22	56	0	3.6	4	0	97.4	0	0	06/10/2016
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	28	0	0	4	24	0	4.1	0	0	85.7	0	0	04/09/2016
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	82	0	0	16	66	0	5.5	7	0	81.7	0	0	07/10/2016
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	41	0	0	4	37	0	2.6	0	0	90.2	0	0	06/10/2016
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	62	0	0	32	30	0	0.8	11	1	59.7	0	0	07/10/2016
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	30	0	0	5	25	0	4.5	0	0	86.7	0	0	02/10/2016
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	5109	15	0	349	4745	0	8.4	64	6	89.2	15	0	08/10/2016
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	38	0	0	7	31	0	2.6	0	0	97.4	0	0	25/09/2016
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	7	0	0	3	4	0	3.0	0	0	100.0	0	0	09/10/2016
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	173	0	0	22	151	0	2.3	1	1	99.4	0	0	06/10/2016
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	233	0	0	15	218	0	5.2	0	0	99.6	0	0	09/10/2016
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	405	0	0	19	386	0	3.1	1	0	97.8	0	0	06/10/2016
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	223	0	0	26	197	0	3.7	0	0	87.4	0	0	08/10/2016
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	07/10/2016
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	27	0	0	1	26	0	3.4	0	0	96.3	0	0	06/10/2016
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	551	0	0	179	371	1	5.5	46	41	91.3	0	0	01/10/2016
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	11129	23	0	1019	10084	2	5.8	183	54	90.5	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 &lt;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

**Removal of Afghanistan/Kabul case of 2016 from the WPV1 linelist:  
Following re-testing of the original specimens from this case by both the RRL Pakistan and CDC Atlanta, the original result of WPV1 and SL3 has been revised to no virus isolated.**



## World Health Organization – Regional Office for Eastern Mediterranean

## AFP SURVEILLANCE

Week 40, ending 9 October 2016

10-Oct-16

Number 940

Table 4: Investigation of contacts of AFP cases with paralysis onset in 2016 up to Week (40/16) / Ending on : (09/10/2016)

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	2172	167	91.5	90.9	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	50.0	50.0	3	33.3	100.0				0			0	0
Egypt	782	69	92.2	90.2	241	77.6	61.8	97.1	15.8	5.7	0	0.0		0	0
Iran	574	29	82.1	64.3	122	62.3	30.3	84.4	2.5	1.6	0	0.0		0	0
Iraq	441	80	69.6	60.8	502	62.0	20.7	89.2	16.2	5.4	0	0.0		0	0
Jordan	78	2			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	82	15	7.1	7.1	6	66.7	16.7	0.0	0.0	0.0	0	0.0		0	0
Libya	41	4	0.0	0.0	0						0			0	0
Morocco	62	25	26.1	26.1	30	60.0	30.0	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	5109	554	81.8	79.6	1577	87.6	59.4	68.9	24.8	5.4	3	0.2		0	0
Palestine	38	1	0.0	0.0	0						0			0	0
Qatar	7	0			0						0			0	0
Saudi Arabia	173	4	0.0	0.0	0						0			0	0
Somalia	233	1	100.0	100.0	688	92.6	99.4	40.1	13.4	3.6	0	0.0		0	0
Sudan	405	9	77.8	77.8	143	75.5	53.8	33.0	12.6	0.0	0	0.0		0	0
Syria	223	28	63.0	25.9	506	25.9	78.1	58.8	2.6	0.6	0	0.0		0	0
Tunisia	58	14	25.0	0.0	9	0.0	44.4	100.0	0.0	0.0	0	0.0		0	0
U.A.E.	27	1			0						0			0	0
Yemen	551	48	87.0	76.1	1294	59.1	73.2	1.2	17.3	2.5	0	0.0	1	0	0
Grand Total 2016	11129	1061	78.8	74.4	6213	74.8	65.1	49.2	17.8	4.5	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 - 09/10/2016

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

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



**Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (40/16) / Ending on : (09/10/2016)**

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	VDPV	Wild	Sabin	VDPV	Wild	Sabin	VDPV									
Afghanistan	RRL Pakistan	2137	170	25	469	1404	69		6	99			19	1	123			3			20%	95%	97%	97%	08/10/2016	
Bahrain	PNL Oman	12	1				11													1	0%	100%		82%	04/10/2016	
Djibouti	NPL Kenya	1			1																100%			100%	10/09/2016	
Egypt***	RRL Egypt	756	24	1	114	560	29	28		7			7		14			1	1	2	1	12%	100%	100%	99%	09/10/2016
Iran	NPL Iran	586	8		14	549	14	1		5			1		3			1			2%	100%	100%	99%	08/10/2016	
Iraq	RRL Egypt	433	13		34	365	17	4		3			9	1	6						11%	100%	100%	85%	06/10/2016	
Jordan	RRL Tunisia	80	4		8	66	2			5					2						9%	100%	100%	100%	06/10/2016	
Kuwait	RRL Kuwait	28	1			18		9												1	0%	89%		83%	05/06/2016	
Lebanon	NPL Jordan	81	2		7	67	4	2													7%	100%			06/10/2016	
Libya	RRL Tunisia	40	2		1	35	1	1		2											3%	100%	100%	97%	30/09/2016	
Morocco	RRL Tunisia	51	1		2	40		8												1	11%	98%		90%	07/10/2016	
Oman	NPL Oman	34			9	22	3														17%	100%		100%	04/10/2016	
Pakistan	RRL Pakistan	5259	282	28	1201	3478	266		15	154			32		179			5			21%	97%	98%	97%	08/10/2016	
Palestine & UNRWA		38			4	33		1													11%	31%		97%	25/09/2016	
Qatar	NPL Oman	5			1	4															20%	100%		100%	04/10/2016	
Saudi Arabia	NPL Oman	153			2	145		6							1						1%	100%	100%	83%	14/08/2015	
Somalia	NPL Kenya	233	2	12	32	172	9	6		9			10		11						20%	10%		99%	09/10/2016	
Sudan	RRL Egypt	392	1		62	309	7	13							1						16%	86%	100%	50%	02/10/2016	
Syria	RRL Egypt	223	5		9	188		21		2			1		4						4%	100%	100%	100%	08/09/2016	
Tunisia	RRL Tunisia	59			2	55	1	1													3%	100%		98%	30/09/2016	
U.A.E	NPL Oman	25			2	23															6%	100%		100%	04/10/2016	
Yemen	RRL Egypt	837	23	4	129	478	30	173		8			4	1	12			1	1	1	19%	37%	100%	56%	09/10/2016	
<b>Total EMR 2016</b>		11463	539	70	2103	8022	452	274	21	294			83	3	356			2	10	3	5	17%	91%	98%	94%	
<b>Total EMR 2015</b>		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

Advance notification by the lab of a new VDPV2 from Afghanistan from Bermal district, Paktika province, with date of onset 10 /09/2016



**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	334
Pending							45
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	EL SAFF	1	16/06/2015	16/06/2015
		GIZA	AL WASLA	1	04/02/2015	04/02/2015
		HURGADA	RED SEA	1	26/05/2015	26/05/2015
	VDPVP2 Total			3	04/02/2015	16/06/2015
2016	VDPVP2	SOUTH SINAI	AL-TUR	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								14
	WILD							17	20
	WILD & VDPV2								
VDPV2									
AFG Total						9	95	149	127
PAK	NEGATIVE	27	77	68	151	257	237	347	314
	PENDING								38
	WILD	18	79	136	88	63	125	79	36
	WILD & VDPV2					2	6	5	
	VDPV2						4	8	2
PAK Total		45	156	204	239	322	372	439	390

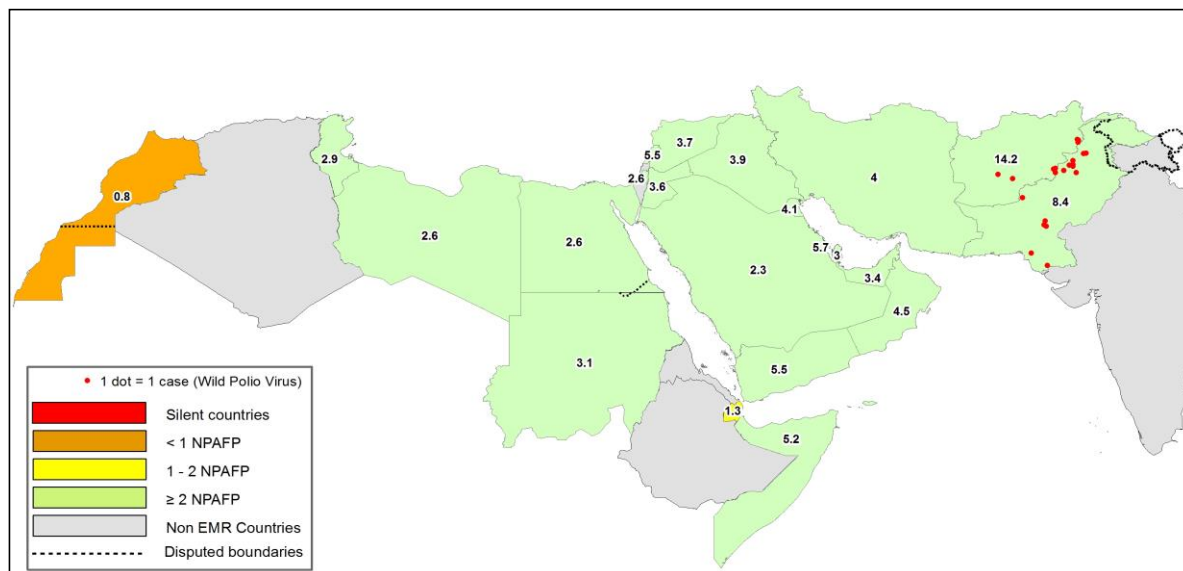
Pakistan Environment data is now updated to reflect positive results by site not by method (from regular environment system and BMFS pilot study) with no duplication

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

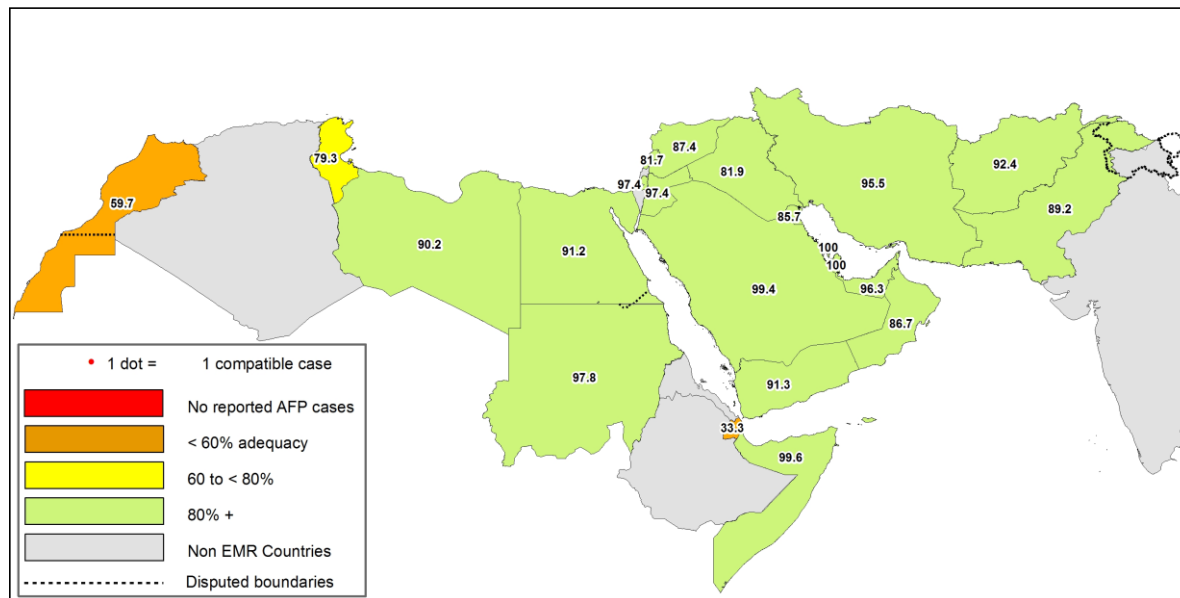
Year	Country	Status	Province	District	Count	First date	Last date	
2015	AFG	WILD1	HILMAND	LASHKARGAH	7	25-01-15	25-11-15	
				NAHR-E-SARAJ	3	24-01-15	19-09-15	
				KABUL	1	27-12-15	27-12-15	
				KANDAHAR	3	04-01-15	26-08-15	
				KUNAR	1	25-10-15	25-10-15	
				NANGARHAR	1	25-10-15	25-10-15	
	AFG Total				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
				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				
SUKKUR	6	06-01-15	11-09-15					
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	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
PAK Total				38	05-01-16	15-09-16		
2016 Total				38	05-01-16	15-09-16		



**Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 09/10/2016**



**Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 09/10/2016**



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

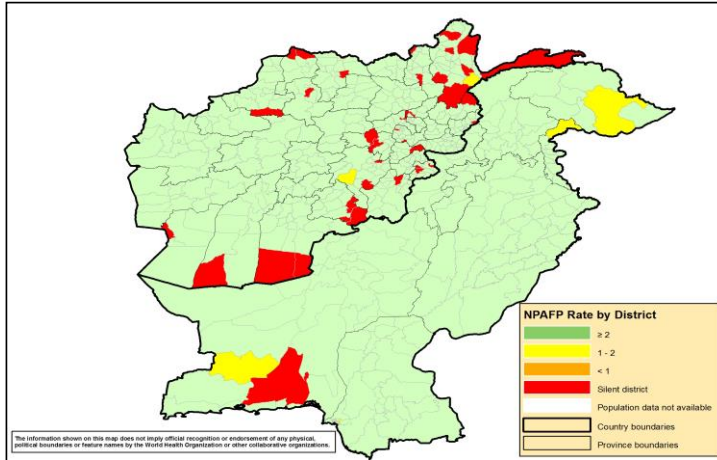
Year	COUNTRY	P1		
		Count	First Case	Last Case
2015	AFG	20	21-01-15	20-12-15
	PAK	54	03-01-15	31-12-15
2015 Total		74	03-01-15	31-12-15
2016	AFG	8	23-01-16	11-08-16
	PAK	15	17-01-16	03-09-16
2016 Total		23	17-01-16	03-09-16

**Removal of Afghanistan/Kabul case of 2016 from the WPV1 linelist:** Following re-testing of the original specimens from this case by both the RRL Pakistan and CDC Atlanta, the original result of WPV1 and SL3 has been revised to no

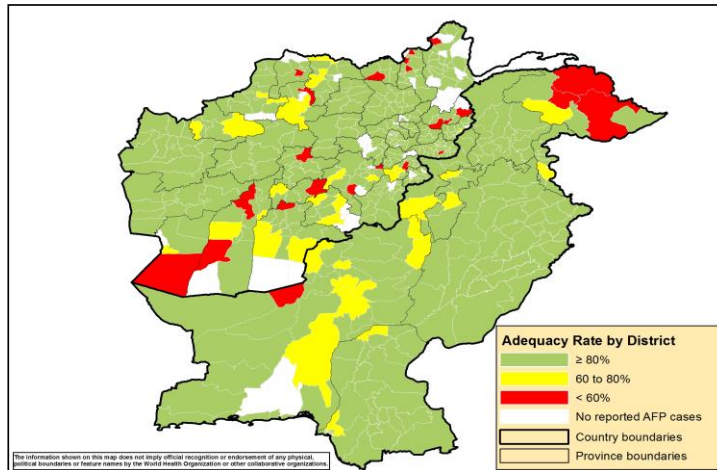
Last reported wild Polio P3 from Pakistan with date of onset 18/04/2012



**Figure 3: Non Polio AFP rate by District in Afghanistan & Pakistan 01/01/2016 - 09/10/2016**

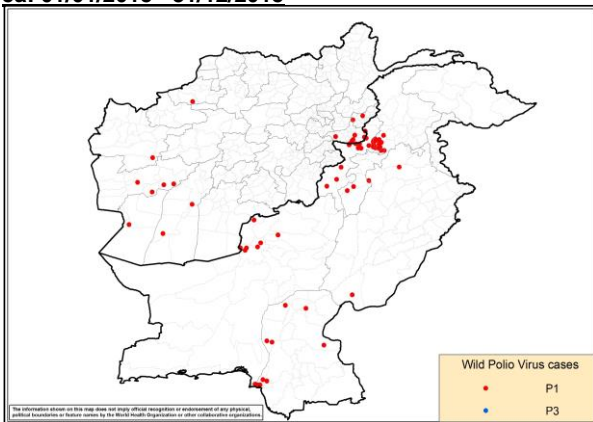


**Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 09/10/2016**

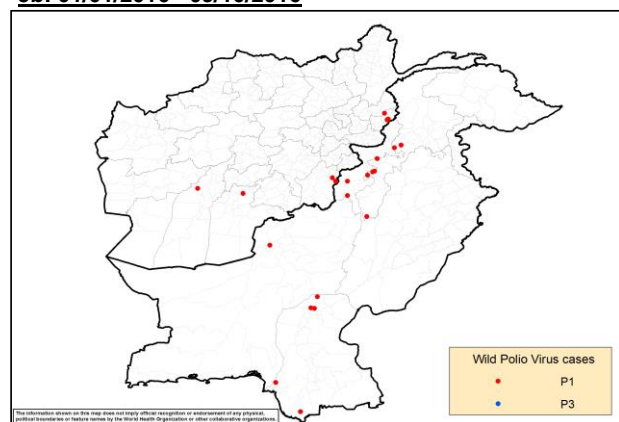


**Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan**

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



**5b: 01/01/2016 - 09/10/2016**





**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	1	19-11-15	19-11-15
	NANGARHAR	DARA-E-PECH	1	03-11-15	03-11-15
		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
	FARYAB	ACHIN	4	14-07-15	01-09-15
		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
	KUNAR	SHIGAL WA SHELTON	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			8	23-01-16	11-08-16

**Removal of Afghanistan/Kabul case of 2016 from the WPV linelist:  
Following re-testing of the original specimens from this case by both the RRL  
Pakistan and CDC Atlanta, the original result of WPV1 and SL3 has been revised**

**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	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
			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

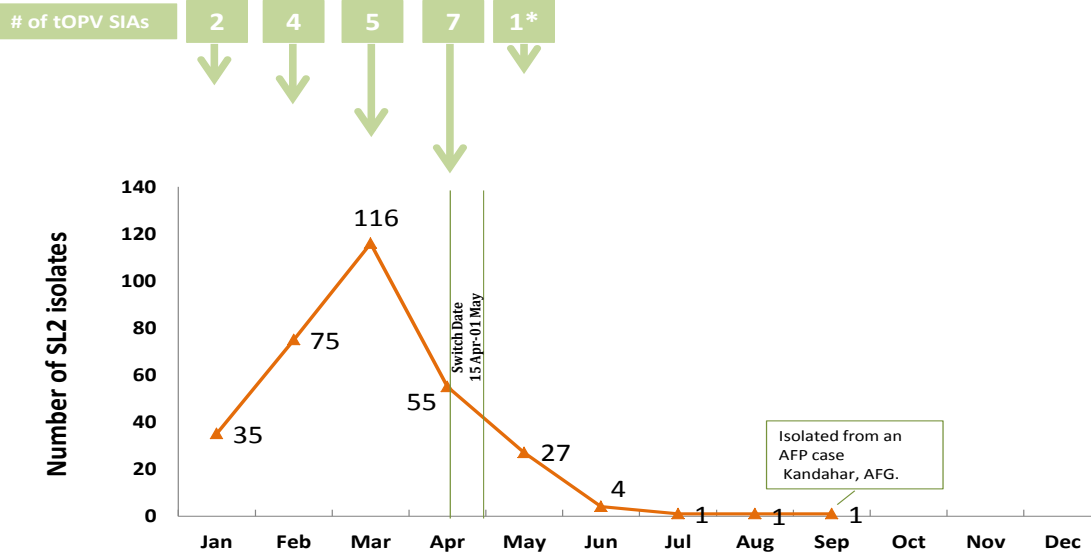
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

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								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		15				3															
PAK	Contact				1		7		5		1															
PAK	ENV		7		32		27		26		9	1	3	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												
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		38		6		8		1	1			1	1	1							
EMR	Contact		4		7		20		18		2			1												
EMR	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



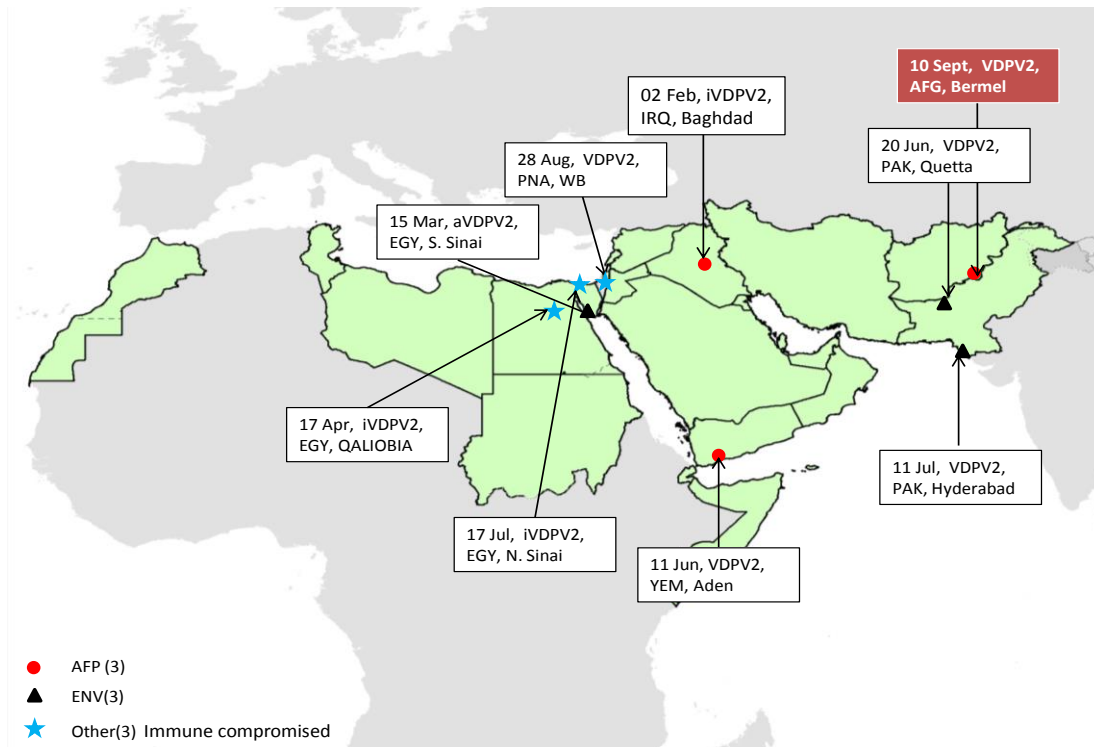
## SL2 isolates in EMR countries from Human and ENV 2016



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

Data up to W40, 09 Oct 2016

## VDPV2 isolates, EMR countries, 2016



Data up to W40, 09 Oct 2016