



AFP SURVEILLANCE

5-Sep-16

Week 35, ending 4 September 2016

Number 935

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

Country	Reported AFP cases by week of onset - Week (35/16) / Ending on : 04/09/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	W24 19 Jun 16	W25 26 Jun 16	W26 03 Jul 16	W27 10 Jul 16	W28 17 Jul 16	W29 24 Jul 16	W30 31 Jul 16	W31 07 Aug 16	W32 14 Aug 16	W33 21 Aug 16	W34 28 Aug 16	W35 04 Sep 16
Afghanistan	2421	2738	1964	57	66	63	62	65	48	79	68	48	49	37	9
Bahrain	16	19	12	0	0	0	0	0	0	0	0	1	0	0	0
Djibouti	3	3	3	0	0	0	0	0	0	0	0	0			
Egypt	1000	1046	696	15	18	8	17	12	23	14	26	14	19	18	2
Iran	753	780	509	22	13	8	16	17	15	16	11	19	11	4	
Iraq	590	520	399	17	6	6	7	10	11	3	12	11	8	1	0
Jordan ****	62	90	71	1	2	1	1	2	1	3	4	0	1	3	0
Kuwait	32	32	28	0	0	1	1	0	0	1	1	1	1	0	0
Lebanon ****	50	113	72	0	2	3	2	1	4	3	2	5	2	2	1
Libya	43	54	37	3	1	0	1	0	0	3	1	1	0	1	
Morocco	103	79	37	0	1	2	2	0	0	1					
Oman	34	39	27	0	1	1	2	2	0	2	0	0	2	0	0
Pakistan	5370	5814	4287	148	134	128	140	133	178	135	164	129	100	25	1
Palestine ****	21	38	36	0	0	0	1	0	1	2	1	0	1	0	0
Qatar	7	11	5	0	0	0	0	0	0	0	0	1	0	0	0
Saudi Arabia	227	254	164	3	2	1	0	1	2	2	2	7	1	0	
Somalia	420	281	208	5	14	2	3	2	7	10	7	4	4	3	
Sudan	442	436	359	11	13	8	10	12	17	18	15	18	13	6	0
Syria ****	306	235	197	3	2	4	2	2	3	10	9	11	11	3	
Tunisia	44	64	56	1	1	0	0	5	1	1	1	0	1	0	
U.A.E	25	31	26	1	0	0	0	0	1	1	1	0	0	1	0
Yemen	578	537	507	19	17	7	15	16	20	17	21	10	19	10	2
<b>Total EMR</b>	<b>12547</b>	<b>13214</b>	<b>9700</b>	<b>306</b>	<b>293</b>	<b>243</b>	<b>282</b>	<b>280</b>	<b>332</b>	<b>321</b>	<b>346</b>	<b>280</b>	<b>243</b>	<b>114</b>	<b>15</b>

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	04/09		Confirmed polio cases by month of onset											
			2015	2016	October 2015	November 2015	December 2015	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016
Afghanistan	28	20	12	8	4	2	1	1	2	1	1	1		0	2	
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	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	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	0		
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	306	54	34	14	4	9	3	2	4	2	3		2	1		
Palestine ****	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Qatar	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		
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	0		
Tunisia	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	0	0	0	0	0	0		
<b>Total EMR</b>	<b>342</b>	<b>74</b>	<b>46</b>	<b>22</b>	<b>8</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>0</b>

\*\*\*\* 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 (35/16) / Ending on : 04/09/2016)

COUNTRY	2015												2016												Latest line List Date
	AFP									Specimen	Wild cases ****		AFP									Specimen	Wild cases ****		
	Total AFP cases onset 2015	Case classification					Non polio AFP rate **	AFP cases pending classification > 90 days from onset of paralysis	AFP cases pending classification and lab > 90 days from onset of paralysis	% with *** adequate specimens	Wild P1 Poliovirus	Wild P3 Poliovirus	Total AFP cases onset 2016	Case classification					Annualized Non polio AFP rate **	AFP cases pending classification > 90 days from onset of paralysis	AFP cases pending classification and lab > 90 days from onset of paralysis	% with *** adequate specimens	Wild P1 Poliovirus	Wild P3 Poliovirus	
		Total Confirmed Polio Cases *	Polio Compatible	Pending Classification	Discarded (non polio AFP)	VDPV								Total Confirmed Polio Cases *	Polio Compatible	Pending Classification	Discarded (non polio AFP)	VDPV							
Afghanistan	2738	20	3	0	2715	0	13.8	0	0	93.0	20	0	1964	8	0	159	1797	0	14.6	5	0	92.3	8	0	04/09/2016
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	12	0	0	1	11	0	6.5	0	0	100.0	0	0	04/09/2016
Djibouti	3	0	0	0	3	0	1.0	0	0	66.7	0	0	3	0	0	2	1	0	1.5	2	0	33.3	0	0	14/08/2016
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	696	0	0	94	602	0	2.7	1	0	89.7	0	0	03/09/2016
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	509	0	0	46	462	0	4.0	0	0	95.5	0	0	03/09/2016
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	399	0	0	50	348	1	4.0	10	1	81.0	0	0	04/09/2016
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	71	0	0	24	47	0	3.8	3	0	98.6	0	0	04/09/2016
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	28	0	0	4	24	0	4.7	0	0	85.7	0	0	04/09/2016
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	72	0	0	23	49	0	5.5	6	0	81.9	0	0	02/09/2016
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	37	0	0	6	31	0	2.7	0	0	91.9	0	0	03/09/2016
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	37	0	0	17	20	0	0.5	11	1	62.2	0	0	29/07/2016
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	27	0	0	8	19	0	4.6	0	0	88.9	0	0	04/09/2016
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	4287	14	0	410	3863	0	8.1	78	4	89.8	14	0	04/09/2016
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	36	0	0	6	30	0	2.8	0	0	97.2	0	0	04/09/2016
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	5	0	0	1	4	0	2.5	0	0	100.0	0	0	04/09/2016
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	164	0	0	28	136	0	2.5	1	1	98.8	0	0	31/08/2016
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	208	0	0	13	195	0	5.3	0	0	99.5	0	0	03/09/2016
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	359	0	0	25	334	0	3.1	0	0	97.2	0	0	04/09/2016
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	197	0	0	40	157	0	3.7	0	0	88.8	0	0	03/09/2016
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	02/09/2016
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	26	0	0	3	23	0	3.8	0	0	100.0	0	0	04/09/2016
Yemen	537	0	0	0	537	0	4.1	0	0	90.7	0	0	507	0	0	136	370	1	5.8	42	40	91.7	0	0	04/09/2016
EMR	13214	74	14	2	13116	8	5.4	2	0	90.2	74	0	9700	22	0	1101	8574	2	5.8	159	47	90.8	22	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

## AFP SURVEILLANCE

Week 35, ending 4 September 2016

5-Sep-16

Number 935

Table 4: Investigation of contacts of AFP cases with paralysis onset in 2016 up to Week (35/16) / Ending on : (04/09/2016)

Country	No. of AFP cases	No. of eligible AFP cases for contact sampling*	% of eligible AFP cases with contact samplings	% of eligible AFP cases with 3+ contacts	Total number of Contacts**	% of contacts under 5 years	% of contacts with specimens collected within 7 days of notification of index	% Contact specimens in lab within 3 days of collection	% Contact specimens positive for NPEV	% Contact specimens positive for Sabin like virus	No. of contacts positive for wild virus	% of wild polio virus isolation from contacts	No. of Contacts positive for VDPVs	No. of -ve index AFP cases identified positive by contact	No. of district identified infected from contacts
Afghanistan	1964	153	90.1	90.1	908	96.5	65.0	26.9	24.0	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	696	72	100.0	100.0	196	76.0	65.3	96.6	13.1	5.7	0	0.0		0	0
Iran	509	26	86.7	73.3	97	64.9	35.1	84.5	3.1	0.0	0	0.0		0	0
Iraq	399	76	70.6	60.8	497	62.4	20.9	89.2	16.2	5.4	0	0.0		0	0
Jordan	71	1			0						0			0	0
Kuwait	28	4	100.0	100.0	45	51.1	73.3	100.0	0.0	0.0	0	0.0		0	0
Lebanon	72	13	10.0	10.0	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	60.0	60.0	25	52.0	36.0	48.0	8.0	0.0	0	0.0		0	0
Oman	27	3	100.0	100.0	44	86.4	38.6	81.8	0.0	2.3	0	0.0		0	0
Pakistan	4287	439	77.3	74.4	1250	87.3	62.2	69.0	24.5	5.6	3	0.3		0	0
Palestine	36	1	0.0	0.0	0						0			0	0
Qatar	5	0			0						0			0	0
Saudi Arabia	164	5			0						0			0	0
Somalia	208	1			614	92.3	99.5	39.1	14.6	3.8	0	0.0		0	0
Sudan	359	10			127	75.6	49.6	36.9	13.1	0.0	0	0.0		0	0
Syria	197	22	54.5	18.2	462	27.3	80.3	60.6	2.2	0.8	0	0.0		0	0
Tunisia	56	12	25.0	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	91.7	75.0	1173	58.6	74.0	1.3	16.8	2.6	0	0.0	1	0	0
Grand Total 2016	9700	899	77.5	72.7	5454	74.1	66.3	48.8	17.7	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 - 04/09/2016

Year	Country	Count of wild contacts	Date of Most Recent stool collection
2015	Afghanistan	9	1/13/2016
	Pakistan	2	7/27/2015
<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 (35/16) / Ending on : (04/09/2016)**

Country	Polio laboratories  Sequencing performed by CDC and RIVM laboratories	AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results #										Indicators				Latest report Date				
			Referred for ITD		NPEV only	Negative	Pending		Type 1			Type 2			Type 3			Discordant pending sequence	NPEV by PCR	Non-EV	Pending ITD	% specimens positive for NPEV*		% AFP cases with culture results within 14 days	% AFP cases with ITD results within 7 days	% AFP cases with ITD results within 45 days of onset**	
			L20B+	L20B+/NPEV			received < / = 14 days	received > 14 days ago	Wild	Sabin	VPV	Wild	Sabin	VPV	Wild	Sabin	VPV										
Afghanistan	RRL Pakistan	1904	142	20	418	1253	71		6	81			18			105			2			20%	96%	98%	97%	04/09/2016	
Bahrain	PNL Oman	11	1			10															1	0%	100%		80%	29/08/2016	
Djibouti	NPL Kenya	1			1																	100%			100%	14/08/2016	
Egypt***	RRL Egypt	680	21	1	96	504	28	30		5			7			12			1	1	2	1	11%	100%	100%	99%	04/09/2016
Iran	NPL Iran	514	8		13	470	22	1		5			1			3			1			3%	100%	100%	99%	03/09/2016	
Iraq	RRL Egypt	392	12		33	326	17	4		3			9	1		6						12%	100%	100%	92%	01/09/2016	
Jordan	RRL Tunisia	72	2		8	61	1			2						1						11%	100%	100%	100%	04/09/2016	
Kuwait	RRL Kuwait	28	1			18		9													1	0%	89%		83%	05/06/2016	
Lebanon	NPL Jordan	70	2		7	59	1	2														8%	100%			04/09/2016	
Libya	RRL Tunisia	36	2		1	32	1			2												3%	100%	100%	97%	04/09/2016	
Morocco	RRL Tunisia	23	1		1	20		1													1	14%	95%		95%	02/09/2016	
Oman	NPL Oman	27			8	17		2														18%	100%		100%	29/08/2016	
Pakistan	RRL Pakistan	4444	246	18	986	2957	235	1	14	132			32			150			3			20%	98%	99%	97%	04/09/2016	
Palestine & UNRWA		36			4	31	1															11%	41%		100%	04/09/2016	
Qatar	NPL Oman	4			1	3																25%	100%		100%	29/08/2016	
Saudi Arabia	NPL Oman	153			2	145		6								1						1%	100%	100%	83%	14/08/2015	
Somalia	NPL Kenya	208	3	11	32	150	4	8	8				9			10					1	22%	9%		98%	03/09/2016	
Sudan	RRL Egypt	278			38	202		38														16%	87%		100%	01/08/2016	
Syria	RRL Egypt	197	5		7	162	2	21	2				1			3						4%	100%	100%	100%	18/08/2016	
Tunisia	RRL Tunisia	57			1	55	1															2%	100%		98%	04/09/2016	
U.A.E	NPL Oman	24			2	20		2														7%	100%		100%	29/08/2016	
Yemen	RRL Egypt	774	23	4	129	478	27	113		8			4	1		11			1	1	1	19%	37%	100%	56%	04/09/2016	
<b>Total EMR 2016</b>		<b>9933</b>	<b>469</b>	<b>54</b>	<b>1788</b>	<b>6973</b>	<b>413</b>	<b>236</b>	<b>20</b>	<b>248</b>			<b>81</b>	<b>2</b>		<b>302</b>			<b>3</b>	<b>7</b>	<b>3</b>	<b>6</b>	<b>17%</b>	<b>92%</b>	<b>99%</b>	<b>94%</b>	
<b>Total EMR 2015</b>		<b>12988</b>	<b>743</b>	<b>97</b>	<b>2319</b>	<b>9813</b>		<b>13</b>	<b>69</b>	<b>362</b>			<b>188</b>	<b>8</b>		<b>415</b>			<b>4</b>	<b>31</b>	<b>10</b>	<b>2</b>	<b>16%</b>	<b>91%</b>	<b>99%</b>	<b>93%</b>	

\* 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	320
Pending							30
Wild			2				
VDPVP2			7	3	2	3	1
VDPVP1			1		1		
Total	183	178	206	307	413	415	351

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

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

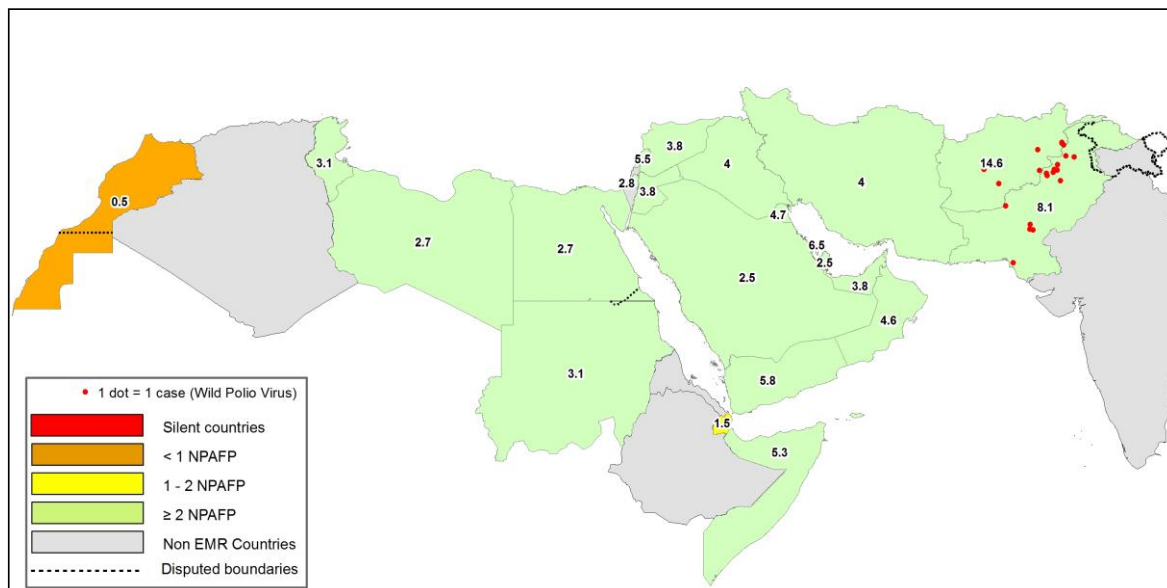
COUNTRY	Status	2009	2010	2011	2012	2013	2014	2015	2016
AFG	Negative					9	78	129	99
	Pending								14
	Wild							17	20
AFG Total						9	95	149	113
PAK	Negative	27	77	68	150	256	237	346	336
	Pending								34
	Wild	18	79	136	89	64	125	79	31
	Wild & VDPV2					2	6	5	
VDPV2							4	8	2
PAK Total		45	156	204	239	322	372	438	403

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

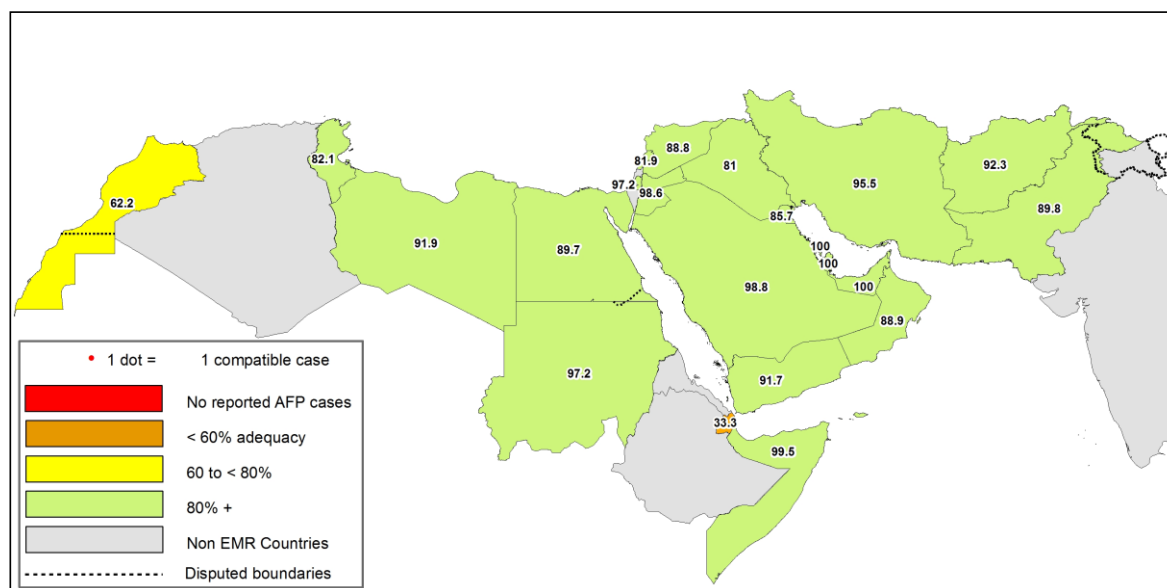
Year	COUNTRY	Status	SITEDIST	SITENAME	Count	Wild	First date	Last date			
2015	AFG	Wild	KABUL	KARTI NAW	1		27-12-2015	27-12-2015			
			JALALABAD	SANGI QALA	2		23-11-2015	27-12-2015			
				RADOR BRIDGE	2		22-02-2015	21-09-2015			
			LASHKARGAH	BOLAN BRIDGE	3		25-01-2015	25-10-2015			
				RADIO MAHALLIE	4		22-02-2015	25-11-2015			
			ASADABAD	MANDACOO	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 KAZBA	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					
	PESHAWAR	LARA MA	1		26-02-2015	26-02-2015					
	KHI.GADAP TOWN	SOHRAB GOTH	1		22-01-2015	22-01-2015					
	VDPV2	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				
	MACHAR COLONY	3		14-01-2015	16-03-2015						
PAK Total					92		03-01-2015	22-12-2015			
2016	PAK	Wild	PISHIN	TURWA	1		02-08-2016	02-08-2016			
			QUETTA	JAM-E-SALFIA	2		12-02-2016	12-02-2016			
				SUR PUL	1		20-07-2016	20-07-2016			
				RAI WAL PUL	1		01-08-2016	01-08-2016			
			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			
			RAWALPINDI	SAFDAR ABAD	1		14-04-2016	14-04-2016			
			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			
			HYDERABAD	TULSIDAS PUMPING STATION	1		11-07-2016	11-07-2016			
			VDPV2	QUETTA	SUR PUL	1		20-06-2016	20-06-2016		
			PAK Total					33		05-01-2016	02-08-2016
			Grand Total					145		03-01-2015	02-08-2016



**Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 04/09/2016**



**Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 04/09/2016**



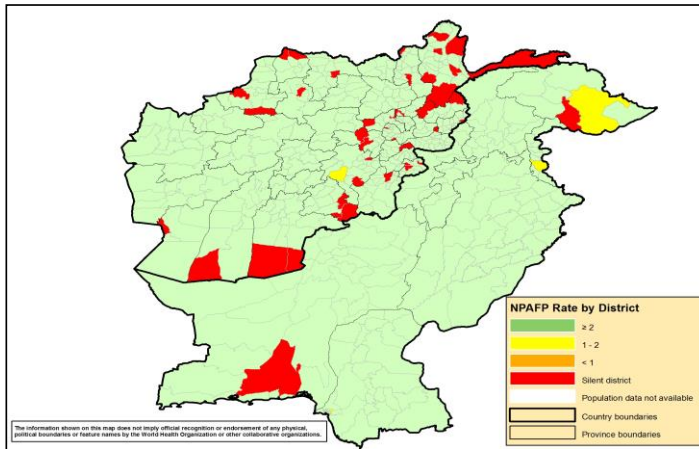
**Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016**

Year	COUNTRY	Count	First Case	Last Case
2015	PAK	54	03-01-15	31-12-15
	AFG	20	21-01-15	20-12-15
2015 Total		74	03-01-15	31-12-15
2016	AFG	8	23-01-16	08-08-16
	PAK	14	17-01-16	27-07-16
2016 Total		22	17-01-16	08-08-16

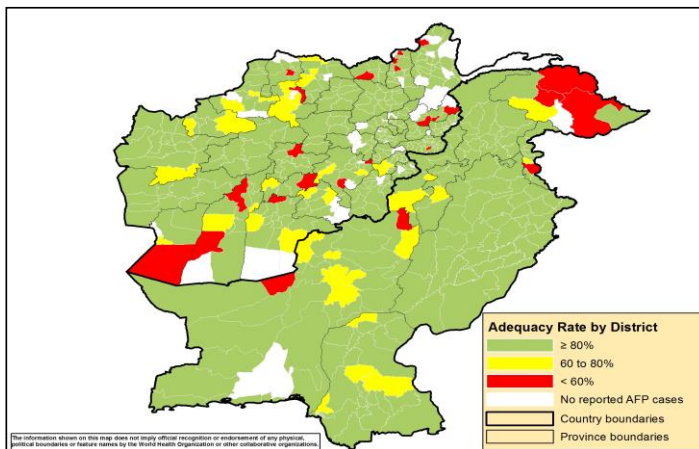
Last reported wild Polio P3 from Pakistan with date of onset 18/04/2012



**Figure 3: Non Polio AFP rate by District in Afghanistan & Pakistan 01/01/2016 - 04/09/2016**

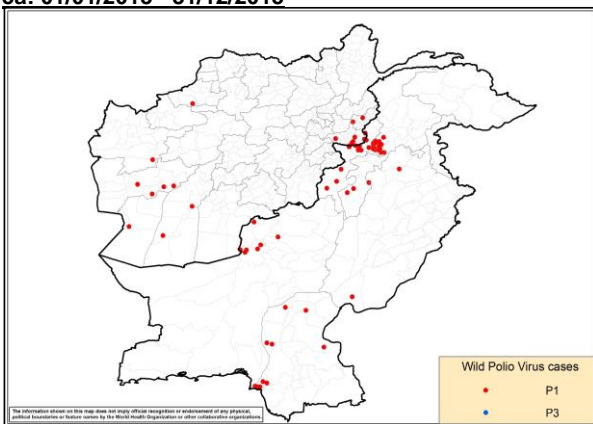


**Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 04/09/2016**

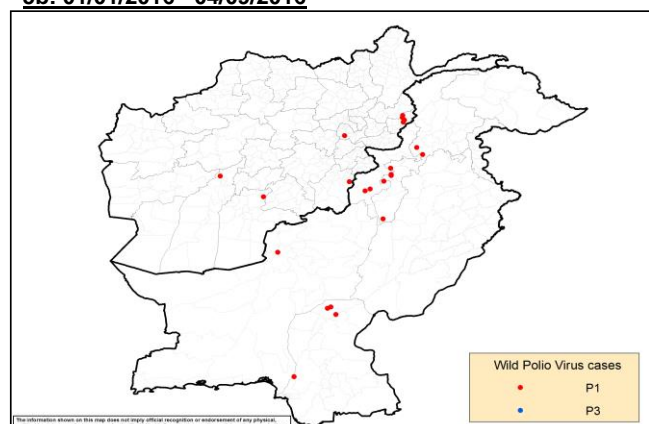


**Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan**

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



**5b: 01/01/2016 - 04/09/2016**







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

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2015	KANDAHAR	SHAHWALIKOT	1	20-12-15	20-12-15
		KUNAR	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
		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
2016	KABUL	KABUL	1	08-08-16	08-08-16
	PAKTIKA	BERMEL	1	02-08-16	02-08-16
	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			8	23-01-16	08-08-16

**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	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	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

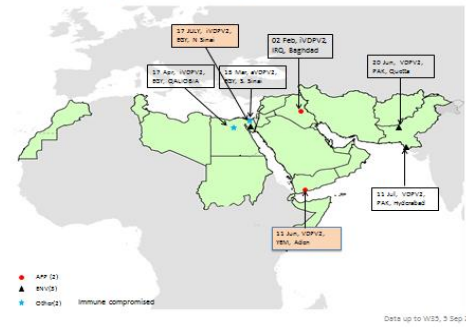
Year	COUNTRY	PROVINCE	DISTRICT	cVDPV2		
				Count	First Case	Last Case
2015	PAK	FATA	KHYBER	1	09/02/2015	09/02/2015
			HANGU	1	05/02/2015	05/02/2015
			KHYBER PAKHTOON	2	05/02/2015	09/02/2015
2015 Total				2	05/02/2015	09/02/2015

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

Country	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															
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				1															
EGY	Contact			3																					
EGY	ENV	9		19	1	20		5		8															
IRA	AFP																								
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		7		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

VDPV2 isolates, EMR countries, 2016



SL2 isolates in EMR countries from Human and ENV 2016

