



AFP SURVEILLANCE

22-Aug-16

Week 33, ending 21 August 2016

Number 933

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

Country	Reported AFP cases by week of onset - Week (33/16) / Ending on : 21/08/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	W22 05 Jun 16	W23 12 Jun 16	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
Afghanistan	2421	2738	1860	54	65	57	65	63	62	65	45	78	69	36	7
Bahrain	16	19	11	0	0	0	0	0	0	0	0	0	0	0	0
Djibouti	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	1000	1046	665	20	12	15	18	8	17	12	23	14	26	12	10
Iran	753	780	468	15	16	22	13	8	16	17	15	10	5	5	0
Iraq	590	520	375	9	2	17	6	6	7	9	11	2	7	3	0
Jordan ****	62	90	66	4	4	1	2	1	1	2	1	3	3	0	0
Kuwait	32	32	26	0	0	0	0	1	1	0	0	1	0	1	0
Lebanon ****	50	113	66	1	0	0	2	3	2	1	4	3	2	4	0
Libya	43	54	36	1	1	3	1	0	1	0	0	3	1	0	0
Morocco	103	79	37	2	1	0	1	2	2	0	0	1	0	0	0
Oman	34	39	25	0	0	0	1	1	2	2	0	2	0	0	0
Pakistan	5370	5814	3895	137	142	147	128	124	129	126	165	115	77	16	0
Palestine ****	21	38	32	2	0	0	0	0	1	0	0	2	0	0	0
Qatar	7	11	5	0	1	0	0	0	0	0	0	0	0	1	0
Saudi Arabia	227	254	155	4	6	3	2	0	0	1	3	1	1	1	0
Somalia	420	281	200	12	1	5	14	2	3	2	7	10	6	4	0
Sudan	442	436	330	6	9	11	13	8	10	12	17	18	13	10	0
Syria ****	306	235	176	2	3	3	2	4	2	2	3	8	7	8	0
Tunisia	44	64	54	3	0	1	1	0	0	5	1	1	0	0	0
U.A.E	25	31	25	0	1	1	0	0	0	0	1	1	1	0	0
Yemen	578	537	466	16	11	19	17	7	15	15	20	16	18	5	0
<b>Total EMR</b>	<b>12547</b>	<b>13214</b>	<b>8976</b>	<b>288</b>	<b>275</b>	<b>305</b>	<b>286</b>	<b>238</b>	<b>271</b>	<b>271</b>	<b>316</b>	<b>289</b>	<b>236</b>	<b>106</b>	<b>17</b>

□ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	21/08		Confirmed polio cases by month of onset											
			2015	2016	September 2015	October 2015	November 2015	December 2015	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016
Afghanistan	28	20	9	6	3	4	2	1	1	2	1	1	1			
Bahrain	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
Egypt	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
Iraq	2	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
Kuwait	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
Libya	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
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	306	54	32	13	4	4	9	3	2	4	2	3		2		
Palestine ****	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
Saudi Arabia	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
Sudan	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
Tunisia	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
Yemen	0	0	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>41</b>	<b>19</b>	<b>7</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>0</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 (33/16) / Ending on : 21/08/2016)

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	1860	6	0	184	1670	0	14.7	5	0	92.2	6	0	21/08/2016
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	11	0	0	0	11	0	6.3	0	0	100.0	0	0	07/08/2016
Djibouti	3	0	0	0	3	0	1.0	0	0	66.7	0	0	3	0	0	2	1	0	1.6	2	0	33.3	0	0	14/08/2016
Egypt	1046	0	0	0	1045	1	3.0	0	0	94.2	0	0	665	0	0	77	588	0	2.7	0	0	91.4	0	0	20/08/2016
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	468	0	0	30	438	0	3.9	0	0	95.3	0	0	20/08/2016
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	375	0	0	38	336	1	4.0	11	1	81.6	0	0	21/08/2016
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	66	0	0	23	43	0	3.7	0	0	100.0	0	0	18/08/2016
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	26	0	0	2	24	0	4.6	0	0	88.5	0	0	21/08/2016
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	66	0	0	17	49	0	5.4	6	0	80.3	0	0	20/08/2016
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	36	0	0	6	30	0	2.7	0	0	91.7	0	0	13/08/2016
Morocco	79	0	0	1	78	0	0.8	1	0	57.0	0	0	37	0	0	17	20	0	0.6	8	1	62.2	0	0	29/07/2016
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	25	0	0	8	17	0	4.3	0	0	88.0	0	0	21/08/2016
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	3895	13	0	280	3602	0	7.8	61	2	89.9	13	0	21/08/2016
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	32	0	0	4	28	0	2.6	0	0	96.9	0	0	14/08/2016
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	5	0	0	1	4	0	2.6	0	0	100.0	0	0	21/08/2016
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	155	0	0	25	130	0	2.5	1	1	96.1	0	0	21/08/2016
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	200	0	0	17	183	0	5.4	0	0	99.5	0	0	20/08/2016
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	330	0	0	26	304	0	3.0	0	0	97.6	0	0	21/08/2016
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	176	0	0	22	154	0	3.5	0	0	86.4	0	0	20/08/2016
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	54	0	0	3	51	0	3.2	0	0	83.3	0	0	19/08/2016
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	25	0	0	3	22	0	3.9	0	0	96.0	0	0	21/08/2016
Yemen	537	0	0	16	521	0	4.1	16	9	90.7	0	0	466	0	0	163	303	0	5.6	68	62	92.1	0	0	20/08/2016
EMR	13214	74	14	18	13100	8	5.4	18	9	90.2	74	0	8976	19	0	948	8008	1	5.7	162	67	90.9	19	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 33, ending 21 August 2016

22-Aug-16

Number 933

Table 4: Investigation of contacts of AFP cases with paralysis onset in 2016 up to Week (33/16) / Ending on : (21/08/2016)

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	1860	145	89.7	89.7	1702	97.1	32.5	26.6	23.8	8.6	3	0.4		2	1
Bahrain	11	0			0						0			0	0
Djibouti	3	2	50.0	50.0	3	33.3	100.0				0			0	0
Egypt	665	66	59.1	57.6	190	76.3	64.2	96.4	11.9	6.0	0	0.0		0	0
Iran	468	24	70.8	58.3	97	64.9	35.1	84.5	3.1	0.0	0	0.0		0	0
Iraq	375	69	71.0	62.3	470	62.6	20.0	89.2	16.2	5.4	0	0.0		0	0
Jordan	66	0			0						0			0	0
Kuwait	26	3	66.7	66.7	44	52.3	72.7	100.0	0.0	0.0	0	0.0		0	0
Lebanon	66	13	7.7	7.7	4	75.0	25.0	0.0	0.0	0.0	0	0.0		0	0
Libya	36	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	25	3	0.0	0.0	22	86.4	68.2	86.4	0.0	4.5	0	0.0		0	0
Pakistan	3895	395	81.5	79.5	1151	87.8	61.2	68.1	23.3	6.1	3	0.3		0	0
Palestine	32	1	0.0	0.0	0						0			0	0
Qatar	5	0			0						0			0	0
Saudi Arabia	155	6	0.0	0.0	0						0			0	0
Somalia	200	1	100.0	100.0	590	92.5	99.5	39.0	15.3	4.1	0	0.0		0	0
Sudan	330	8	75.0	75.0	118	76.3	48.3	35.9	14.1	0.0	0	0.0		0	0
Syria	176	24	50.0	16.7	398	28.9	83.4	59.8	2.3	0.9	0	0.0		0	0
Tunisia	54	9	11.1	0.0	7	0.0	42.9	100.0	0.0	0.0	0	0.0		0	0
U.A.E.	25	1	0.0	0.0	0						0			0	0
Yemen	466	37	81.1	70.3	1054	58.5	77.9	1.5	18.5	3.1	0	0.0		0	0
Grand Total 2016	8976	824	74.8	71.0	5875	78.2	57.3	45.6	18.5	5.5	6	0.2		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, 01/01/2015 - 21/08/2016

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 SHELTRAN	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 (33/16) / Ending on : (21/08/2016)**

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	1808	135	18	378	1164	111	3	4	78			18			97			2			20%	96%	98%	97%	20/08/2016	
Bahrain	PNL Oman	11	1			10															1	0%	100%		80%	22/08/2016	
Djibouti	NPL Kenya	1			1																	100%			100%	14/08/2016	
Egypt***	RRL Egypt	630	20	1	88	491	16	14		5			7			12			2	1	11%	100%	100%	99%	21/08/2016		
Iran	NPL Iran	480	7		13	443	15	2		5			1			2						3%	100%	100%	99%	20/08/2016	
Iraq	RRL Egypt	367	12		31	302	17	5		3			9	1		6						12%	100%	100%	92%	18/08/2016	
Jordan	RRL Tunisia	70	2		8	59	1			2						1						11%	100%	100%	100%	21/08/2016	
Kuwait	RRL Kuwait	28	1			18		9													1	0%	89%		83%	05/06/2016	
Lebanon	NPL Jordan	65	2		4	52	6	2														7%	100%			21/08/2016	
Libya	RRL Tunisia	31	2			29				2												0%	100%	100%	97%	21/08/2016	
Morocco	RRL Tunisia	33	1		1	30		1													1	11%	94%		94%	12/08/2016	
Oman	NPL Oman	27			8	17	2															18%	100%		100%	22/08/2016	
Pakistan	RRL Pakistan	4084	235	14	838	2696	297	4	13	124			32			140			3			19%	98%	99%	97%	20/08/2016	
Palestine & UNRWA		32			3	28		1														10%	43%		100%	14/08/2016	
Qatar	NPL Oman	4			1	3																25%	100%		100%	22/08/2016	
Saudi Arabia	NPL Oman	153			2	145	1	5								1						1%	100%	100%	83%	14/08/2015	
Somalia	NPL Kenya	200	2	11	30	140	8	9		8			9			10						22%	9%		98%	20/08/2016	
Sudan	RRL Egypt	278			38	202		38														16%	87%		100%	01/08/2016	
Syria	RRL Egypt	195	5		6	161	18	5		2			1			3						3%	100%	100%	100%	18/08/2016	
Tunisia	RRL Tunisia	55			1	53	1															1%	100%		98%	21/08/2016	
U.A.E	NPL Oman	22			2	20																7%	100%		100%	22/08/2016	
Yemen	RRL Egypt	733	22	3	110	397	21	180		8			5			10			1		1	20%	37%	100%	57%	21/08/2016	
<b>Total EMR 2016</b>		<b>9307</b>	<b>447</b>	<b>47</b>	<b>1563</b>	<b>6460</b>	<b>514</b>	<b>278</b>	<b>17</b>	<b>237</b>			<b>82</b>	<b>1</b>		<b>282</b>			<b>3</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>16%</b>	<b>92%</b>	<b>99%</b>	<b>95%</b>	
<b>Total EMR 2015</b>		<b>12988</b>	<b>743</b>	<b>97</b>	<b>2315</b>	<b>9802</b>		<b>28</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>92%</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	309
Pending							23
Wild			2				
VDPVP2			7	3	2	3	1
VDPVP1			1		1		
Total	183	178	206	307	413	415	333

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

YEAR	VDPVP2	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"

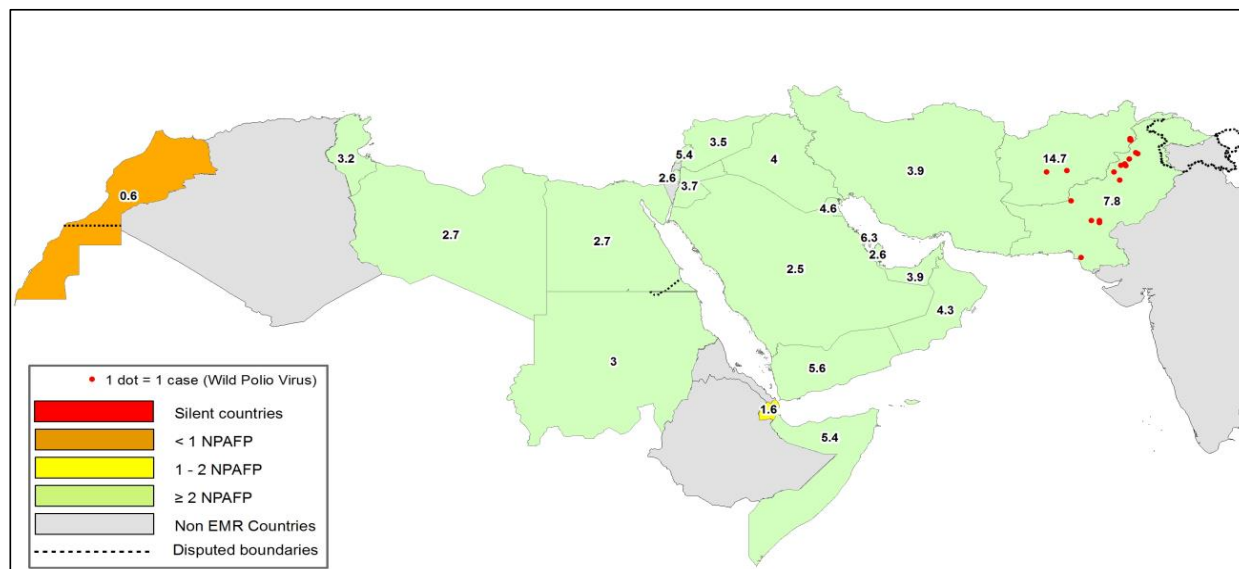
COUNTRY	Status	2009	2010	2011	2012	2013	2014	2015	2016
AFG	Negative					9	78	127	96
	Pending							1	2
	Wild						17	20	
AFG Total						9	95	148	98
PAK	Negative	27	77	68	150	256	236	347	313
	Pending						1		49
	Wild	18	79	136	89	64	125	79	30
	Wild & VDPV2					2	6	5	
VDPV2						4	8	2	
PAK Total		45	156	204	239	322	372	439	394

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

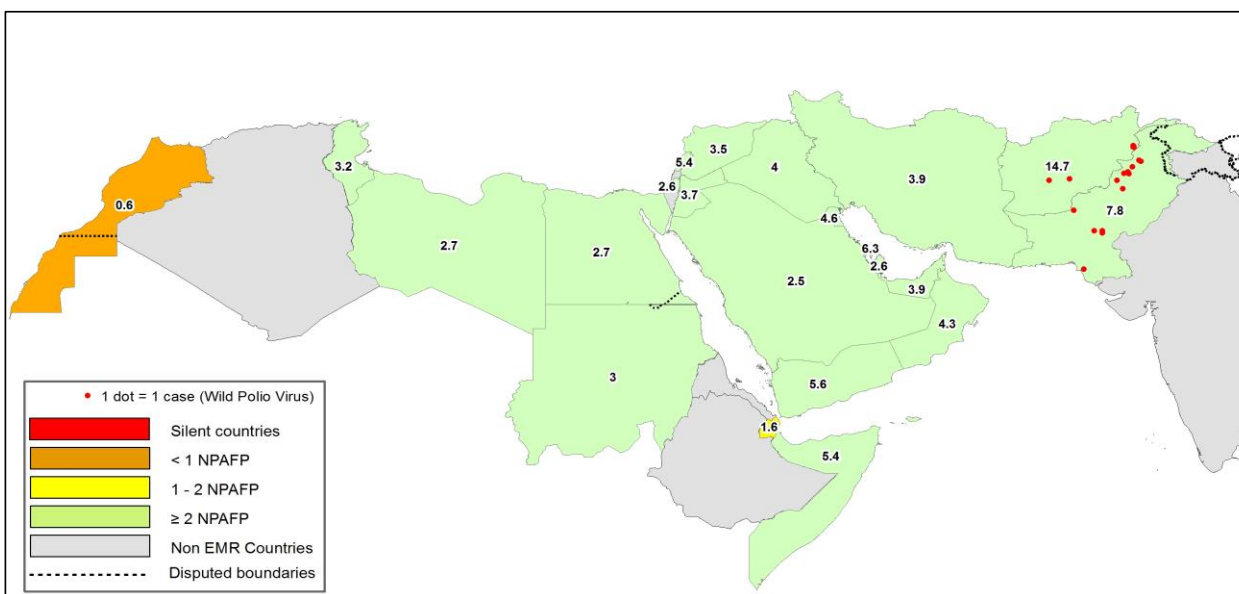
Year	COUNTRY	Status	SITELIST	SITENAME	Count	Wild	First date	Last date			
2015	AFG	Wild	KABUL	KARTI NAW	1		27/12/2015	27/12/2015			
			JALALABAD	SANGI QALA	2		23/11/2015	27/12/2015			
				RADOR BRIDGE	2		22/02/2015	21/09/2015			
			LASHKARGAH	BOLAN BRIDGE	3		25/01/2015	25/10/2015			
				RADIO MAHALLIE	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			
				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						
PESHAWAR	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					
	MACHAR COLONY	3		14/01/2015	16/03/2015						
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	1		20/07/2016	20/07/2016			
				RAILWAL 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			
			VDPV2		HYDERABAD	TULSIDAS PUMPING STATION	1		11/07/2016	11/07/2016	
				QUETTA	SUR PUL	1		20/06/2016	20/06/2016		
			PAK Total					32		05/01/2016	01/08/2016
Grand Total					144		03/01/2015	01/08/2016			



**Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 21/08/2016**



**Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 21/08/2016**



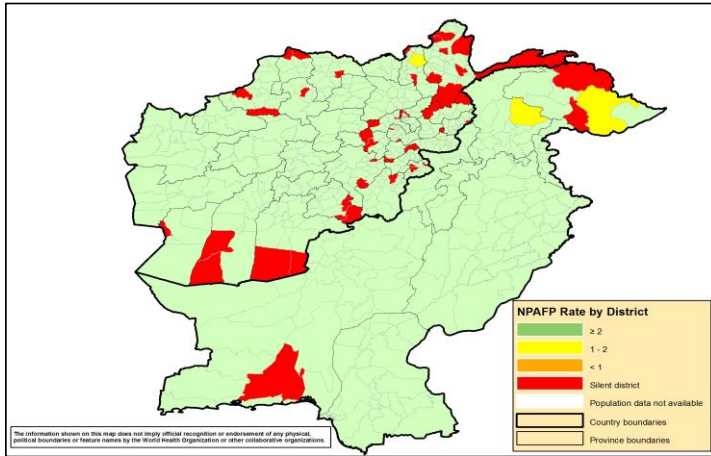
**Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016**

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	PAK	13	17-01-16	18-06-16
	AFG	6	23-01-16	29-05-16
2016 Total		19	17-01-16	18-06-16

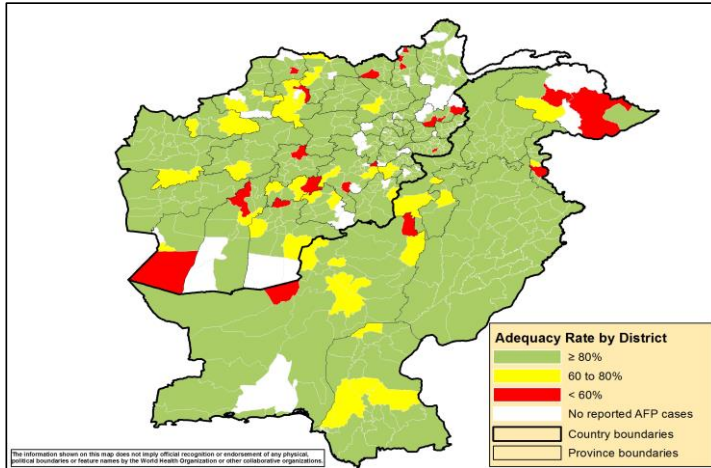
Last reported wild Polio P3 from Pakistan with date of onset 18/04/2012



**Figure 3: Non Polio AFP rate by District in Afghanistan & Pakistan 01/01/2016 - 21/08/2016**

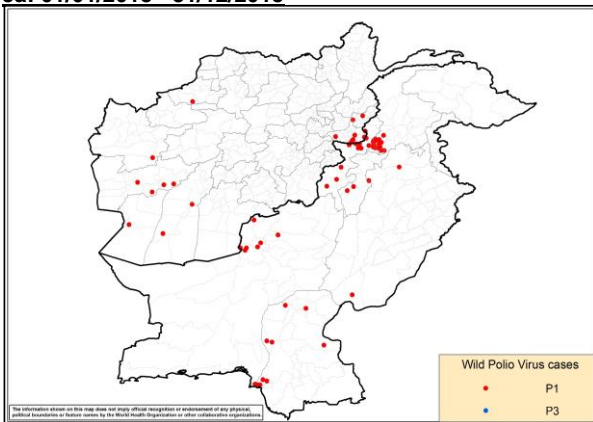


**Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 21/08/2016**

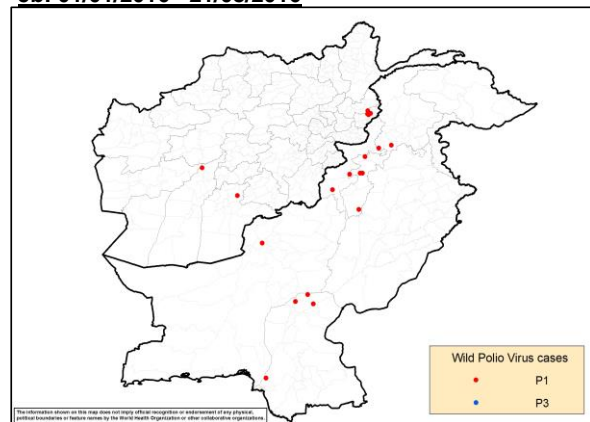


**Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan**

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



**5b: 01/01/2016 - 21/08/2016**







**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
		LALPUR	1	27-10-15	27-10-15
	NANGARHAR	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
	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	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			6	23-01-16	29-05-16

**Table 10: Wild Polio cases by district and date of onset of paralysis, Pakistan 2015-2016**

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2015	KHYBER PAKHTOON	PESHAWAR	12	17-01-15	31-12-15
		CHARSADA	1	20-04-15	20-04-15
		TANK	2	03-01-15	25-01-15
		LAKKIMRWT	1	07-01-15	07-01-15
		NOWSHERA	1	05-01-15	05-01-15
	PUNJAB	RYKHAN	1	02-12-15	02-12-15
		CHAKWAL	1	11-09-15	11-09-15
	SINDH	KHIBALDIA	2	11-11-15	21-11-15
		KHIGIQBAL	1	18-11-15	18-11-15
		KHAIRPUR	1	02-11-15	02-11-15
		KHIGADAP	2	10-10-15	02-11-15
		KHIKAMARI	1	01-11-15	01-11-15
		KHIGULBERG	1	14-09-15	14-09-15
		DADU	2	10-02-15	19-02-15
		SUKKUR	1	13-02-15	13-02-15
		KAMBAR	1	04-01-15	04-01-15
		BALOCHISTAN	QUETTA	5	20-02-15
	LORALAI		1	09-02-15	09-02-15
	KABDULAH		1	03-02-15	03-02-15
	FATA	KHYBER	11	05-01-15	14-11-15
		FR PESHAWAR	2	14-09-15	22-10-15
		WAZIR-S	2	07-01-15	24-05-15
		WAZIR-N	1	06-05-15	06-05-15
2015 Total			54	03-01-15	31-12-15
2016	FATA	WAZIR-S	1	18-06-16	18-06-16
	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
BALOCHISTAN	QUETTA	1	01-02-16	01-02-16	
2016 Total			13	17-01-16	18-06-16





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									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						2		1		1													
YEM	Contact			1				2																	
YEM	ENV																								
EMR	AFP	12	1	15		38		7		8		2													
EMR	Contact	4		7		20		18		2															
EMR	ENV	19		53	1	58		31		17	1	3	1	1											

One VDPV2 has been isolated from an immune-compromised child from EGY in Apr 2016 but 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

