



AFP SURVEILLANCE

15-Aug-16

Week 32, ending 14 August 2016

Number 932

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

Country	Reported AFP cases by week of onset - Week (32/16) / Ending on : 14/08/2016														
	Total AFP 2014	Total AFP 2015	Total AFP to date, 2016	W21 29 May 16	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
Afghanistan	2421	2738	1801	63	54	65	57	65	63	62	65	45	76	53	3
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	643	21	20	12	15	18	8	17	12	23	14	26	
Iran	753	780	461	16	15	16	22	14	8	16	17	15	10	2	0
Iraq	590	520	368	6	9	2	17	6	6	7	9	10	2	4	
Jordan ****	62	90	66	5	4	4	1	2	1	2	1	1	3	3	
Kuwait	32	32	26	1	0	0	0	0	1	1	0	0	1	0	1
Lebanon ****	50	113	59	1	1	0	0	2	3	2	1	3	3		
Libya	43	54	36	0	1	1	3	1	0	1	0	0	3	1	
Morocco	103	79	37	2	2	1	0	1	2	2	0	0	1		
Oman	34	39	23	2	0	0	0	1	1	2	2	0	0	0	0
Pakistan	5370	5814	3798	122	138	142	147	128	121	127	123	159	95	31	0
Palestine ****	21	38	32	0	2	0	0	0	0	1	0	0	2	0	0
Qatar	7	11	4	1	0	1	0	0	0	0	0	0	0	0	0
Saudi Arabia	227	254	153	3	4	6	3	2	0	0	1	3	1	0	0
Somalia	420	281	191	3	12	1	5	14	2	3	2	7	9	1	
Sudan	442	436	314	7	6	9	11	13	8	9	12	16	16	11	0
Syria ****	306	235	165	3	2	3	3	2	4	2	2	3	7	5	
Tunisia	44	64	51	0	3	0	1	1	0	0	4	0	0		
U.A.E	25	31	24	2	0	1	1	0	0	0	0	1	1	0	0
Yemen	578	537	448	29	16	11	19	17	7	15	13	20	14	9	
Total EMR	12547	13214	8714	287	289	275	305	287	235	269	264	306	258	146	4

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2014	Total year 2015	14/08		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	
Djibouti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Egypt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iran	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iraq	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jordan ****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kuwait	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lebanon ****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Libya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Morocco	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pakistan	306	54	29	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	
Qatar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Somalia	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syria ****	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
U.A.E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total EMR	342	74	38	19	7	8	11	4	3	6	3	4	1	2	0	0

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



Table 3: Investigation of AFP cases with paralysis onset in 2015 & 2016 up to Week (32/16) / Ending on : 14/08/2016)

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	1801	6	0	200	1595	0	14.6	10	0	92.2	6	0	14/08/2016
Bahrain	19	0	0	0	19	0	7.0	0	0	94.7	0	0	11	0	0	0	11	0	6.5	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	643	0	0	89	554	0	2.7	0	0	92.7	0	0	11/08/2016
Iran	780	0	0	0	779	1	4.3	0	0	96.9	0	0	461	0	0	24	437	0	4.0	0	0	95.7	0	0	14/08/2016
Iraq	520	0	0	0	518	2	3.6	0	0	81.9	0	0	368	0	0	35	332	1	4.1	11	1	81.3	0	0	13/08/2016
Jordan	90	0	0	0	90	0	3.2	0	0	96.7	0	0	66	0	0	25	41	0	3.8	0	0	95.5	0	0	11/08/2016
Kuwait	32	0	0	0	32	0	3.7	0	0	96.9	0	0	26	0	0	2	24	0	4.8	0	0	88.5	0	0	14/08/2016
Lebanon	113	0	0	0	113	0	5.2	0	0	84.1	0	0	59	0	0	13	46	0	4.9	6	0	78.0	0	0	06/08/2016
Libya	54	0	0	0	54	0	2.6	0	0	94.4	0	0	36	0	0	6	30	0	2.8	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	7	1	62.2	0	0	29/07/2016
Oman	39	0	0	0	39	0	4.5	0	0	97.4	0	0	23	0	0	6	17	0	4.1	0	0	87.0	0	0	14/08/2016
Pakistan	5814	54	10	1	5745	4	7.4	1	0	87.2	54	0	3798	13	0	409	3376	0	7.8	68	3	89.8	13	0	14/08/2016
Palestine	38	0	0	0	38	0	2.2	0	0	92.1	0	0	32	0	0	4	28	0	2.7	0	0	96.9	0	0	14/08/2016
Qatar	11	0	0	0	11	0	3.7	0	0	100.0	0	0	4	0	0	0	4	0	2.2	0	0	100.0	0	0	14/08/2016
Saudi Arabia	254	0	0	0	254	0	2.7	0	0	98.0	0	0	153	0	0	42	111	0	2.6	18	18	96.1	0	0	07/08/2016
Somalia	281	0	1	0	280	0	4.9	0	0	96.1	0	0	191	0	0	15	176	0	5.3	0	0	99.0	0	0	13/08/2016
Sudan	436	0	0	0	436	0	2.6	0	0	97.2	0	0	314	0	0	29	285	0	3.0	0	0	98.1	0	0	14/08/2016
Syria	235	0	0	0	235	0	3.0	0	0	90.2	0	0	165	0	0	17	148	0	3.4	0	0	89.1	0	0	13/08/2016
Tunisia	64	0	0	0	64	0	2.4	0	0	85.9	0	0	51	0	0	10	41	0	3.1	0	0	88.2	0	0	05/08/2016
U.A.E	31	0	0	0	31	0	3.0	0	0	90.3	0	0	24	0	0	2	22	0	3.8	0	0	100.0	0	0	14/08/2016
Yemen	537	0	0	18	519	0	4.1	18	10	90.7	0	0	448	0	0	193	255	0	5.6	68	62	92.2	0	0	13/08/2016
EMR	13214	74	14	20	13098	8	5.4	20	10	90.2	74	0	8714	19	0	1140	7554	1	5.7	190	85	91.0	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

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Table 4: Investigation of contacts of AFP cases with paralysis onset in 2016 up to Week (32/16) / Ending on : (14/08/2016)

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	1801	141	86.5	86.5	791	96.3	64.5	27.4	23.2	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	643	56	69.6	67.9	187	77.0	63.6	96.3	12.5	6.3	0	0.0		0	0
Iran	461	22	68.2	59.1	97	64.9	35.1	84.5	3.1	0.0	0	0.0		0	0
Iraq	368	69	69.6	60.9	462	62.8	18.6	89.2	16.2	5.4	0	0.0		0	0
Jordan	66	3	0.0	0.0	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	59	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	23	3	0.0	0.0	22	86.4	68.2	86.4	0.0	4.5	0	0.0		0	0
Pakistan	3798	388	80.7	78.6	1094	87.8	62.3	68.2	22.1	6.5	3	0.3		0	0
Palestine	32	1	0.0	0.0	0						0			0	0
Qatar	4	0			0						0			0	0
Saudi Arabia	153	6	0.0	0.0	0						0			0	0
Somalia	191	2	100.0	100.0	563	92.4	99.5	38.8	15.9	4.3	0	0.0		0	0
Sudan	314	6	100.0	100.0	118	76.3	48.3	31.5	15.1	0.0	0	0.0		0	0
Syria	165	18	61.1	22.2	367	27.8	87.2	59.8	2.4	0.9	0	0.0		0	0
Tunisia	51	6	16.7	0.0	6	0.0	50.0	100.0	0.0	0.0	0	0.0		0	0
U.A.E.	24	0			0						0			0	0
Yemen	448	35	82.9	71.4	1020	58.9	77.8	1.8	15.1	3.6	0	0.0		0	0
Grand Total 2016	8714	791	75.2	71.6	4803	74.8	67.1	50.4	16.7	5.2	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, 01/01/2015 - 14/08/2016

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

Number and distribution by district of -ve index AFP cases identified as wild positive by contact in EMR, 2015-2016

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



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2016 up to Week (32/16) / Ending on : (14/08/2016)

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	VDPV	Wild	Sabin	VDPV	Wild	Sabin	VDPV									
Afghanistan	RRL Pakistan	1739	135	17	360	1136	91		4	78			18			96		2			19%	96%	98%	98%	13/08/2016	
Bahrain	PNL Oman	11	1			10													1		0%	100%		80%	08/08/2016	
Djibouti	NPL Kenya	1			1																100%			100%	14/08/2016	
Egypt***	RRL Egypt	630	20	1	88	491	30			5			7			12		2	1		11%	100%	100%	99%	14/08/2016	
Iran	NPL Iran	466	7		13	429	16	1		5			1			2					3%	100%	100%	99%	13/08/2016	
Iraq	RRL Egypt	360	11		31	299	15	4		3			9	1		6					12%	100%	100%	92%	11/08/2016	
Jordan	RRL Tunisia	69			8	58	3			2						1					11%	100%	100%	100%	14/08/2016	
Kuwait	RRL Kuwait	28	1			18		9											1		0%	89%		83%	05/06/2016	
Lebanon	NPL Jordan	63	2		4	52	4	2													7%	100%			14/08/2016	
Libya	RRL Tunisia	31	2			29				2											0%	100%	100%	97%	12/08/2016	
Morocco	RRL Tunisia	33	1		1	30	1												1		11%	94%		94%	12/08/2016	
Oman	NPL Oman	24			6	17	1														16%	100%		100%	08/08/2016	
Pakistan	RRL Pakistan	3921	228	13	781	2614	283		13	122			32			134		1			18%	98%	99%	97%	13/08/2016	
Palestine & UNRWA		32			3	28	1														10%	43%		100%	14/08/2016	
Qatar	NPL Oman	4			1	3															25%	100%		100%	08/08/2016	
Saudi Arabia	NPL Oman	153			2	145	3	3								1					1%	100%	100%	83%	14/08/2015	
Somalia	NPL Kenya	191	2	11	30	133	9	6		8			9			10					23%	9%		98%	13/08/2016	
Sudan	RRL Egypt	278			38	202		38													16%	87%		100%	01/08/2016	
Syria	RRL Egypt	170	5		6	150		9		2			1			3					4%	100%	100%	100%	08/08/2016	
Tunisia	RRL Tunisia	55			1	52		2													1%	100%		98%	12/08/2016	
U.A.E	NPL Oman	21			2	19															7%	100%		100%	08/08/2016	
Yemen	RRL Egypt	715	22	2	102	354	59	176		8			4			10		1	1	2	20%	41%	100%	62%	14/08/2016	
Total EMR 2016		8995	437	44	1478	6269	518	248	17	235			81	1	275	3	3	3	6		16%	92%	99%	95%		
Total EMR 2015		12988	741	97	2315	9802		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
Negative	183	178	196	304	410	412	294
Pending							24
Wild			2				
VDPVP2			7	3	2	3	1
VDPVP1			1		1		
Total	183	178	206	307	413	415	319

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	127	89
	Pending							1	9
	Wild						17	20	
AFG Total					9	95	148	98	
PAK	Negative	27	77	68	150	256	236	347	307
	Pending						1		33
	Wild	18	79	136	89	64	125	79	28
	Wild & VDPV2					2	6	5	
	VDPV2						4	8	2
PAK Total		45	156	204	239	322	372	439	370

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	KABIL	KARTI NAW	1		27-12-2015	27-12-2015			
			JALALABAD	SANGI QALA	2		23-11-2015	27-12-2015			
			LASHKARGAH	RADOR BRIDGE	2		22-02-2015	21-09-2015			
			ASADABAD	BOLAN BRIDGE	3		25-01-2015	25-10-2015			
			BEHSUD	RADIO MAHALLIE	4		22-02-2015	25-11-2015			
			NAHR-E-SARAJ	MANDACOOL	1		25-10-2015	25-10-2015			
			KANDAHAR	HADA FARM	1		25-10-2015	25-10-2015			
				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	2		13-01-2015	05-05-2015
							RASHID MINHAS RD LAY	4		02-03-2015	14-12-2015
							SAFDAR ABAD	1		10-10-2015	10-10-2015
	DHOKE DALLAL	4					10-03-2015	14-12-2015			
	LARA MA	3					03-01-2015	24-08-2015			
	SHAHEEN TOWN	8					10-01-2015	11-12-2015			
	TULSIDAS PUMPING STATION	2					03-02-2015	03-12-2015			
	SADDAR PUMPING STATION	5					08-01-2015	04-11-2015			
	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			
Wild & VDPV2		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			
		MAKKA PUMPING STATION			2		06-01-2015	04-02-2015			
		MIANI PUMPING STATION			4		05-02-2015	11-09-2015			
		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			
		SABZI MANDI			2		12-01-2015	17-08-2015			
		MODC DRAIN			2		04-03-2015	04-08-2015			
		ZAFAR ABAD DRAIN			1		05-05-2015	05-05-2015			
		ARMY KAZIBA			2		01-03-2015	01-06-2015			
VDPV2		HADI PACKET	1		15-01-2015	15-01-2015					
		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					
		SOHRAB GOTH	1		22-01-2015	22-01-2015					
		RASHID MINHAS RD LAY	2		08-06-2015	07-07-2015					
VDPV2		OUTFALL STATION-G	1		13-04-2015	13-04-2015					
		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	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			
				SHAHEEN TOWN	6		11-01-2016	11-07-2016			
				PUMPING STATION 3 ACHIKAIRA	3		03-02-2016	02-07-2016			
				MAIN DISPOSAL	1		12-05-2016	12-05-2016			
				SAFDAR ABAD	1		14-04-2016	14-04-2016			
				MAKKA PUMPING STATION	3		12-01-2016	19-03-2016			
				RASHID MINHAS RD LAY	2		18-01-2016	15-03-2016			
				SADDAR PUMPING STATION	2		04-02-2016	10-03-2016			
				JAM-E-SALFIA	2		12-02-2016	12-02-2016			
				HADI PACKET	1		15-01-2016	15-01-2016			
			VDPV2		TULSIDAS PUMPING STATION	1		05-01-2016	05-01-2016		
				TULSIDAS PUMPING STATION	1		11-07-2016	11-07-2016			
				SUR PUL	1		20-06-2016	20-06-2016			
					30		05-01-2016	16-07-2016			
		PAK Total					142		03-01-2015	16-07-2016	
		Grand Total									



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2016 - 14/08/2016

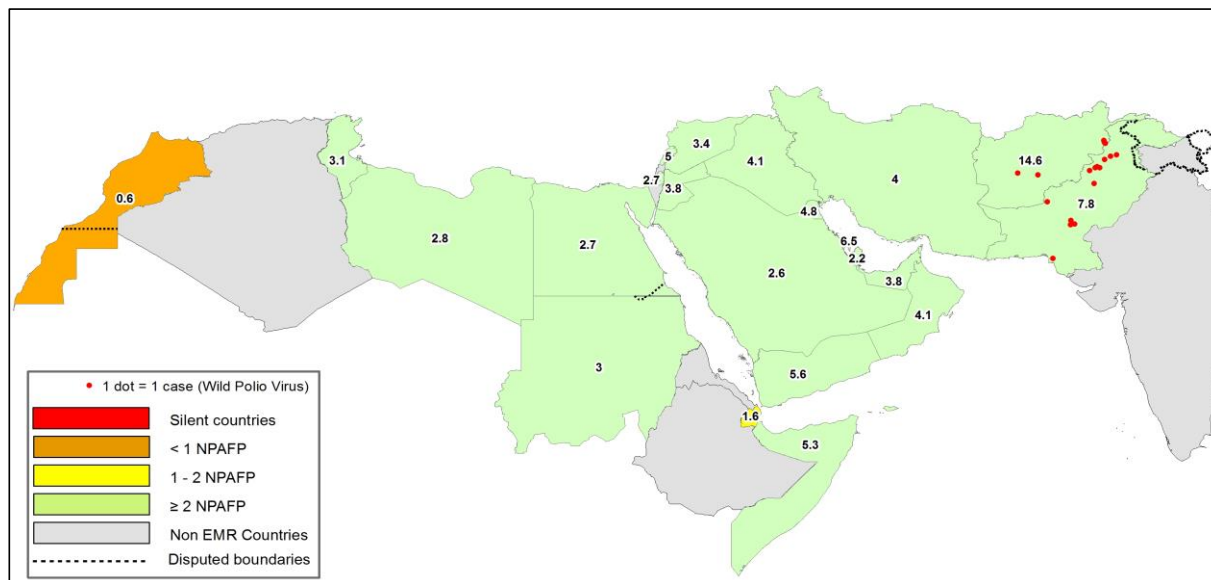


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2016 - 14/08/2016

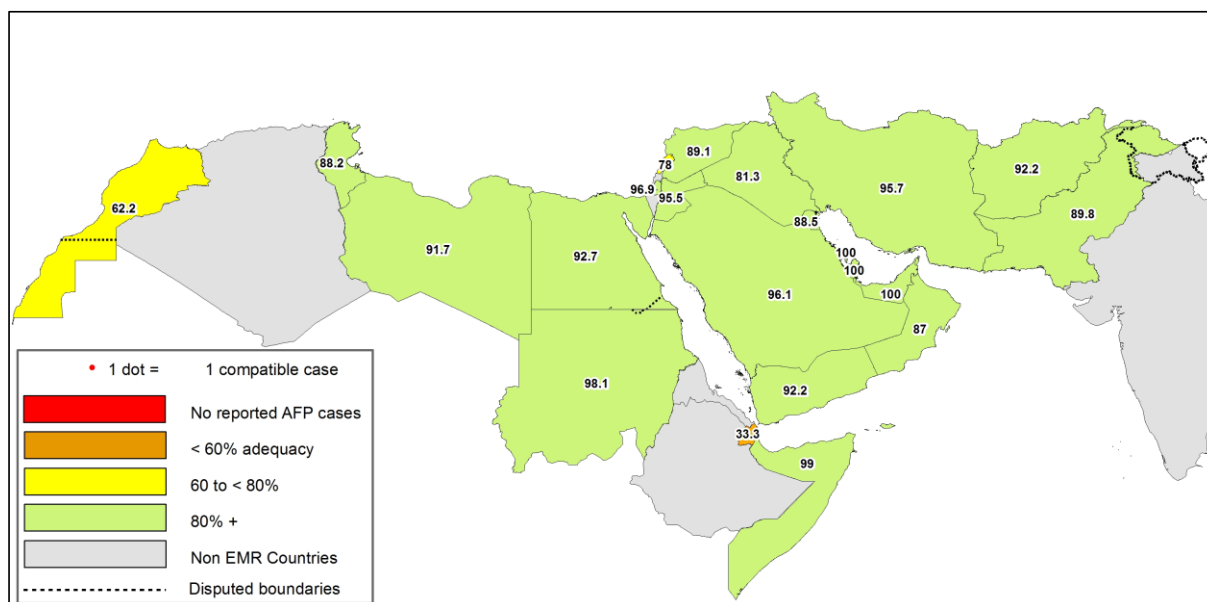


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2015-2016

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 - 14/08/2016

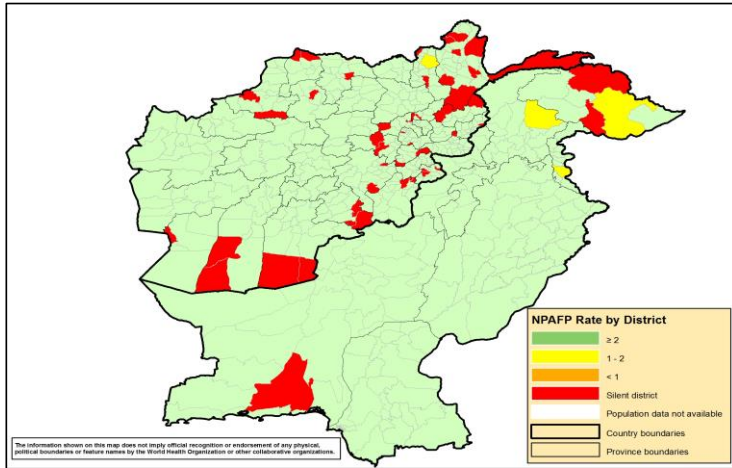


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2016 - 14/08/2016

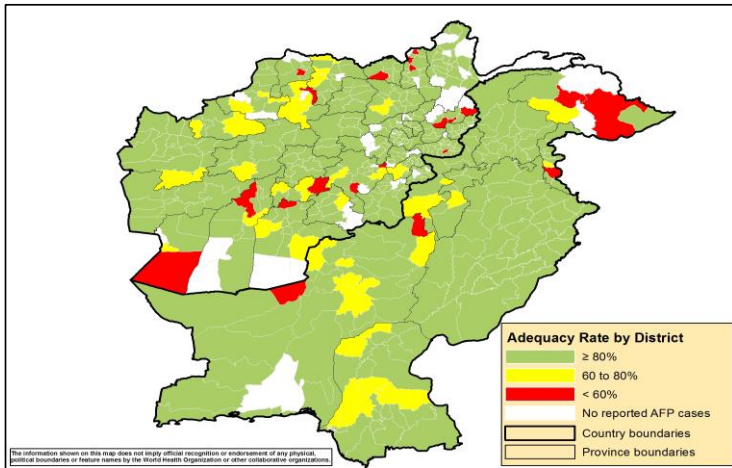
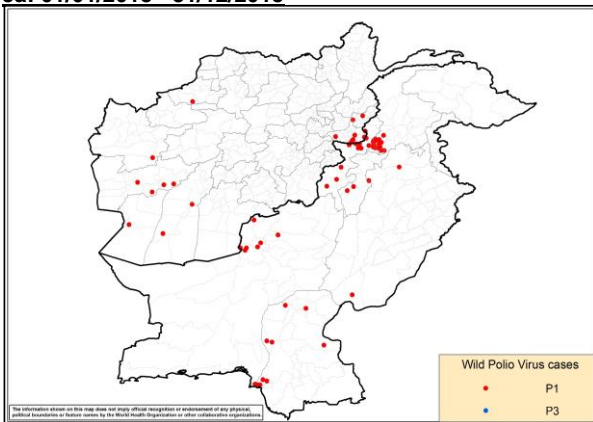


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

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



5b: 01/01/2016 - 14/08/2016

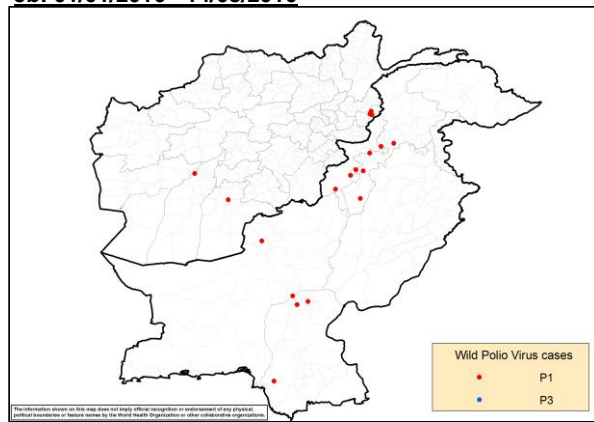




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2015-2016

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
	NANGARHAR	LALPUR	1	27-10-15	27-10-15
		MUHMAND DARA	1	14-10-15	14-10-15
		SHERZAD	1	06-09-15	06-09-15
		BATIKOT	1	04-09-15	04-09-15
		ACHIN	4	14-07-15	01-09-15
	FARYAB	QAYSAR	1	22-10-15	22-10-15
	HILMAND	NAHR-E-SARAJ	1	20-10-15	20-10-15
		REG	1	21-01-15	21-01-15
	NIMROZ	ZARANJ	1	07-08-15	07-08-15
	HIRAT	SHINDAND	1	27-06-15	27-06-15
	FARAH	BALABULUK	1	07-06-15	07-06-15
		GULESTAN	2	23-04-15	05-05-15
BAKWA		1	21-04-15	21-04-15	
2015 Total			20	21-01-15	20-12-15
2016	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



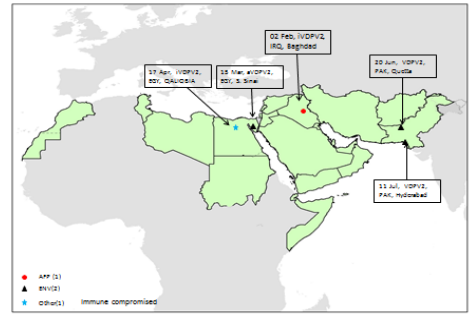
Table 11: Circulating VDPV cases and date of onset of paralysis in EMR countries by districts 2015 - 2016

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

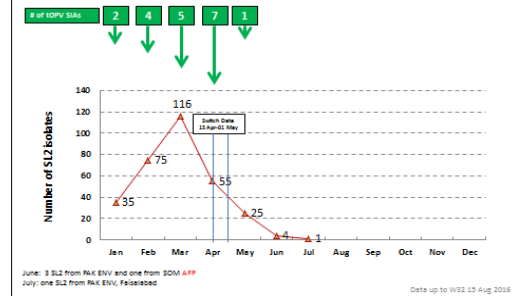
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016

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		25		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																									
SYR	Contact																									
SYR	ENV																									
TUN	AFP																									
TUN	Contact																									
TUN	ENV																									
UAE	AFP																									
UAE	Contact																									
UAE	ENV																									
YEM	AFP	1						2		1																
YEM	Contact			1				2																		
YEM	ENV																									
EMR	AFP	12	1	15		38		7		6		1														
EMR	Contact	4		7		20		18		2																
EMR	ENV	19		53	1	58		30		17	1	3	1	1												

VDPV2 isolates, EMR countries, 2016



SL2 isolates in EMR countries from Human and ENV 2016



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