

# Middle East Polio Technical Bulletin

EMR: Egypt, Iraq, Jordan, Lebanon, Syria, West Bank and Gaza Strip  
EUR: Turkey

Data in WHO as of 31 December 2013 (Week 1) – No.3



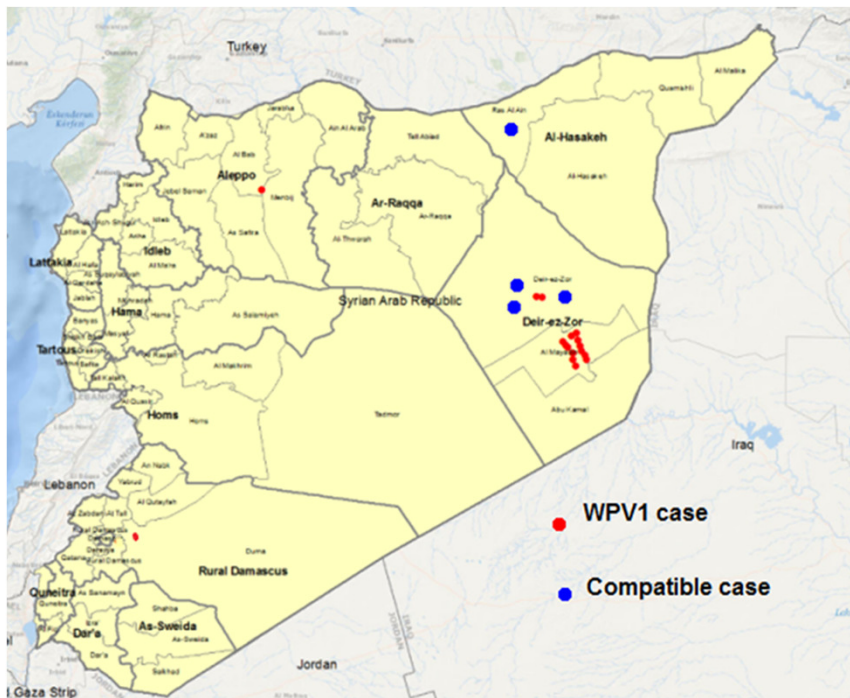
## Situation Update

### 6 January 2014:

The total number of confirmed wild poliovirus cases remains at 17. There were no new wild poliovirus cases reported since the last technical bulletin. The polio outbreak was declared by the Minister of Health of the Syrian Arab Republic on 28 October 2013 with 13 confirmed cases from Deir-Al-Zour, additional cases have also been confirmed from Aleppo and Rural Damascus.

Genetic sequencing indicates that the virus has been circulating in the region for nearly a year. It is linked to virus detected in environmental samples from Egypt in December 2012, which is closely linked to strains detected from environmental samples in Israel since February 2013, and the West Bank and Gaza Strip since July 2013.

Given the current situation across the region with frequent population movements and concerns about polio immunization rates and AFP surveillance indicators in key areas, the risk of further international spread of wild poliovirus is considered to be high. Coordinated supplementary immunization and surveillance activities have been planned throughout the region.



### New cases – Summary:

**New cases this week:**

*none*

**Location / Date of onset:**

*none*

### Outbreak – Summary:

**Total number of cases:**

17 (in Syria)

**Most recent case:**

Deir-Al-Zour, Mayadeen /  
08-Oct-13

**Index case:**

Aleppo, Fardous /  
14-Jul-13

**Duration of outbreak:**

12 weeks

**Extent of outbreak:**

3 governorates/ 3 districts (in  
Syria)

### SIA – Summary:

**Number of SIAs since Index case:**

2 (2 NIDs)

**Number of SIAs since last case:**

2 (2 NIDs)

# Summary information

as of 31 December 2013

## AFP case information, 2013

Age	Syria				Egypt		Iraq		Jordan		Lebanon		West Bank and Gaza Strip		Turkey	
	WPV cases		NP AFP cases		NP AFP cases		NP AFP cases		NP AFP cases		NP AFP cases		NP AFP cases		NP AFP cases	
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%
0-5 months	0	0%	5	4%	27	3%	19	4%	2	6%	1	3%	0	0%	4	2%
6-23 months	13	76%	38	29%	370	37%	115	27%	5	15%	4	13%	11	30%	27	13%
24-59 months	3	18%	32	25%	345	35%	166	39%	15	45%	14	45%	12	32%	65	30%
60-119 months	1	6%	35	27%	187	19%	90	21%	6	18%	8	26%	5	14%	58	27%
120-179 months	0	0%	15	12%	59	6%	36	8%	4	12%	4	13%	9	24%	59	27%
180+ months	0	0%	4	3%	0	0%	0	0%	1	3%	0	0%	0	0%	3	1%
<b>TOTAL</b>	<b>17</b>		<b>129</b>		<b>988</b>		<b>426</b>		<b>33</b>		<b>31</b>		<b>37</b>		<b>216</b>	
<b>Vaccination status</b>																
0 Dose	9	53%	17	13%	0	0%	5	1%	0	0%	2	6%	0	0%	20	9%
1-2 Doses	6	35%	14	11%	17	2%	25	6%	0	0%	2	6%	0	0%	73	34%
3 Doses	1	6%	9	7%	13	1%	40	9%	1	3%	5	16%	0	0%	9	4%
4+ Doses	1	6%	83	64%	949	96%	332	78%	23	70%	18	58%	36	97%	114	53%
Unknown	0	0%	6	5%	9	1%	24	6%	9	27%	4	13%	1	3%	0	0%
<b>TOTAL</b>	<b>17</b>		<b>129</b>		<b>988</b>		<b>426</b>		<b>33</b>		<b>31</b>		<b>37</b>		<b>216</b>	
<b>Gender</b>																
M	10	59%	72	56%	569	58%	247	58%	21	64%	26	84%	14	38%	128	59%
F	7	41%	57	44%	419	42%	179	42%	12	36%	5	16%	23	62%	88	41%
<b>TOTAL</b>	<b>17</b>		<b>129</b>		<b>988</b>		<b>426</b>		<b>33</b>		<b>31</b>		<b>37</b>		<b>216</b>	

## Surveillance indicators, 2010-2013

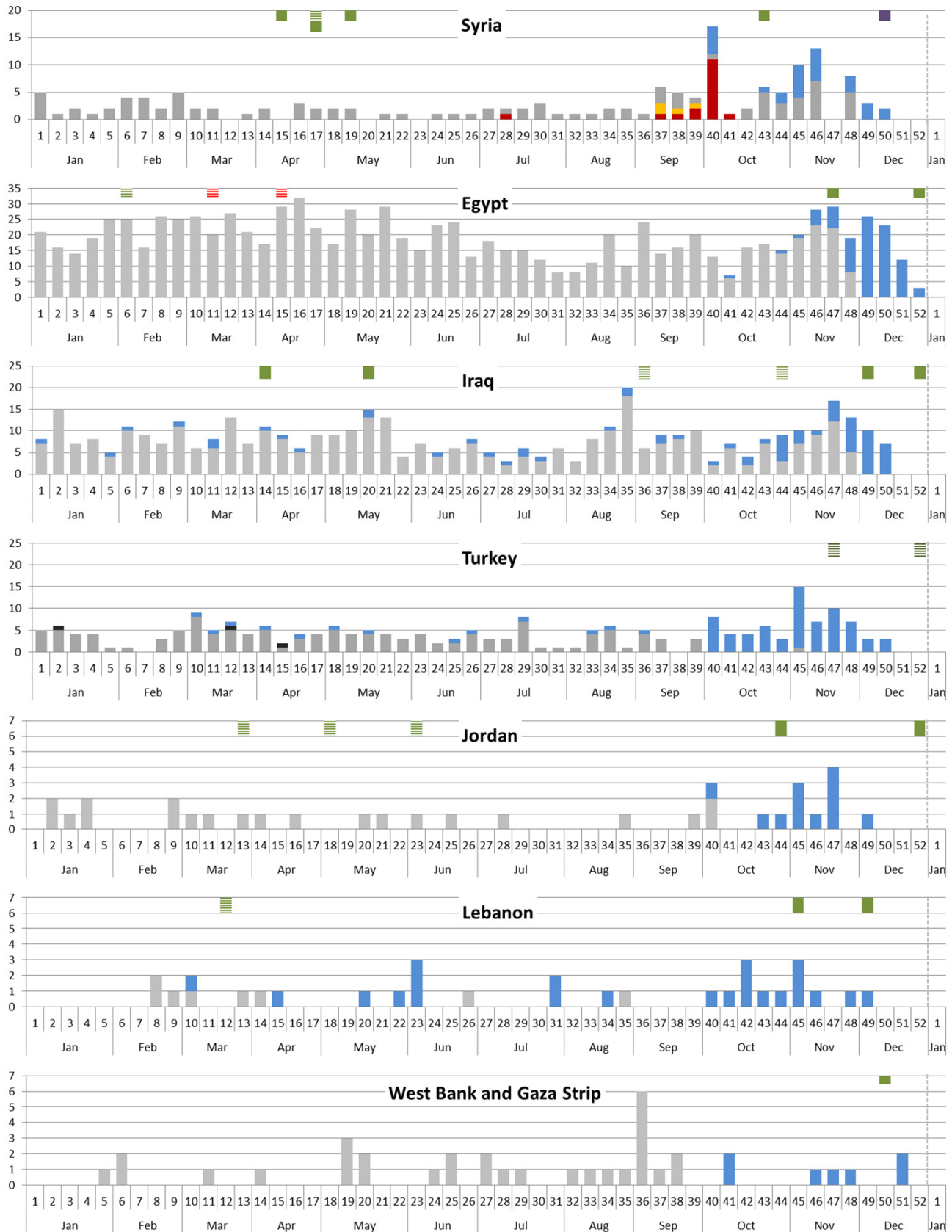
Country / Territory	Year	AFP cases reported	Non-polio AFP rate	AFP cases with adequate specimens (%)
Egypt	2010	1151	4.5	95
	2011	1023	4.0	93
	2012	1022	3.9	92
	<b>2013</b>	<b>988</b>	<b>3.1</b>	<b>91</b>
Iraq	2010	489	4.0	87
	2011	530	4.3	89
	2012	467	3.8	90
	<b>2013</b>	<b>426</b>	<b>3.0</b>	<b>84</b>
Jordan	2010	40	1.8	95
	2011	30	1.4	97
	2012	34	1.5	85
	<b>2013</b>	<b>33</b>	<b>1.4</b>	<b>89</b>
Lebanon	2010	19	1.7	47
	2011	22	2.0	45
	2012	24	2.2	50
	<b>2013</b>	<b>31</b>	<b>2.8</b>	<b>40</b>
Syrian Arab Republic	2010	194	2.6	95
	2011	168	2.3	93
	2012	109	1.4	84
	<b>2013</b>	<b>146</b>	<b>1.3</b>	<b>70</b>
Turkey	2010	215	1.1	74
	2011	196	1.0	81
	2012	172	0.9	81
	<b>2013</b>	<b>216</b>	<b>1.0</b>	<b>74</b>
West Bank and Gaza Strip	2010	15	0.9	100
	2011	17	1.1	100
	2012	21	1.3	95
	<b>2013</b>	<b>37</b>	<b>2.2</b>	<b>94</b>

### Targets:

NP AFP rate:  $\geq 2/100,000$  pop < 15 years of age  
Stool adequacy:  $\geq 80\%$  stool samples

# Epidemiological curves

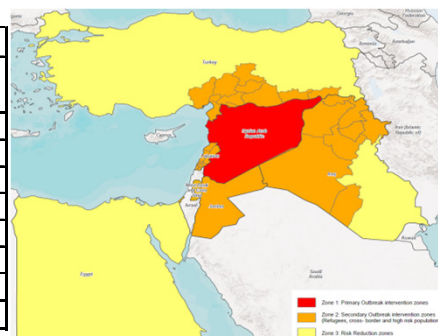
as of 31 December 2013



# Classification of AFP cases by intervention zone / sub-national level, 2013

as of 31 December 2013

Zones	Country	AFP case classification					Total AFP cases	Annualized (week 52)	
		Wild	Compatible	Discarded	Pending final classification	Pending lab result		NP AFP rate	NP AFP cases (expected nb)
1	SYR	17	4	97		28	146	1.3	195
2	JOR			21		12	33	1.4	48
	LEB			8		23	31	2.8	22
2 3	IRQ			357		69	426	3.0	288
	TUR			131	3	82	216	1.0	430
3	WBG			30		7	37	2.2	34
	EGY			898		90	988	3.1	645
	<b>Total</b>	17	4	1542	3	311	1877	2.2	1662



Zones	Country	Governorate / Region / Province	AFP case classification					Total AFP cases	Annualized (week 52)	
			Wild	Compatible	Discarded	Pending final classification	Pending lab result		NP AFP rate	NP AFP cases (expected nb)
1	SYR	ALEPPO	1		7		5	13	0.5	44
		DAMASCUS			11		2	13	1.9	14
		DARA			4			4	0.8	10
		DEIR_AL_ZOUR	15	3	19		9	46	4.7	12
		EDLEB			7		1	8	1.2	13
		HAMA			4		1	5	0.9	12
		HASAKEH		1	7		4	12	1.6	14
		HOMS			5		2	7	0.8	18
		LATTAKIA			11			11	3.2	7
		QUNEITERA			1			1	0.4	5
		RAQUA			8		2	10	1.5	13
		RURAL_DAMASCUS	1		8		2	11	0.8	26
		SWIEDA						0	0.0	2
TARTOUS			5			5	1.9	5		
2	IRQ	ANBAR			14		2	16	2.5	13
		DAHUK			13		2	15	3.3	9
		ERBIL			15		2	17	2.5	14
		KIRKUK			12		2	14	2.7	10
		NAJAF			13		3	16	2.9	11
		NINEWA			34		4	38	2.8	27
		SALAH AL-DIN			12		4	16	2.8	11
		SULAYMANIYAH			7		2	9	1.2	15
	JOR	AMMAN			6		5	11	1.3	17
		BALKA			1		1	2	1.2	3
		IRBID			6		2	8	1.9	9
		JARASH			1			1	1.3	2
		KARAK			1			1	1.1	2
		MADABA					1	1	1.6	1
		MAFRAK			3			3	2.5	2
		TAFILEH			1			1	2.6	1
	ZARKA			2		3	5	1.3	7	
LEB	BEIRUT			1		3	4	3.5	2	
	BEKAA			1		4	5	3.5	3	
	MONT LIBAN			4		7	11	2.5	9	
	NABATIYE			1			1	1.5	1	
	NORTH			1		3	4	1.8	5	
SOUTH					6	6	5.0	2		
TUR	Adana			2		5	7	1.1	13	
	Adiyaman			2	1		3	1.2	5	
	Gaziantep					9	9	1.4	13	
	Hatay			1		5	6	1.2	10	
	K. Maras			1	1	1	3	0.7	8	
	Malatya			1		1	2	0.8	5	
	Mardin			1		1	2	0.7	6	
	Osmaniye					3	3	1.8	3	
	Sanli Urfa			11		2	13	1.9	14	
Sirnak			1			1	0.6	3		
3	IRQ	<i>(rest of the country)</i>			237		48	285	3.2	177
	TUR	<i>(rest of the country)</i>			111	1	55	167	1.0	350
	WBG				30		7	37	2.2	34
	EGY				898		90	988	3.1	645

# Outbreak Response

## Supplementary Immunization Activities

Country / Territory	Total SIAs completed in 2013			2013 SIA activities												2014 SIA activities						
	NID	SNID	CHD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Egypt	2	3			MOP 3-Feb tOPV	SNID 10-Mar mOPV1	SNID 13-Apr mOPV1												NID Mar bOPV	NID Apr bOPV		
Iraq	4	2				NID 31-Mar tOPV	NID 12-May tOPV					SNID 5-Sep tOPV	NID 27-Oct tOPV	SNID 2-Nov tOPV	NID 1/27-Dec tOPV	SNID 21-Jan bOPV	SNID 16-Feb bOPV	SNID 14-Mar bOPV				
Jordan	2	3				SNID 24-Mar tOPV	SNID 28-Apr tOPV		SNID 8-Jun tOPV													
Lebanon	2	1				SNID 18-Mar tOPV																
Syria	2	1	2				CHD/SNID 9/23-Apr tOPV	CHD 7-May tOPV					NID 24-Oct tOPV						NID Mar bOPV	NID Apr bOPV		
Turkey		2												SNID 18-Nov tOPV	SNID 23-Dec tOPV	SNID Jan tOPV						
West Bank and Gaza Strip	1																					

SNID  Completed activity  
 NID / Child Health Days  Ongoing or Planned activities

SNIDs in Iraq and Turkey cover the following administrative areas:  
 Iraq: Anbar, Dahuk, Erbil, Kirkuk, Najaf, Ninewa, Salah Al-Din, Sulaymaniyah  
 Turkey: Adana, Adiyaman, Gaziantep, Hatay, K. Maras, Kilis, Malatya, Mardin, Osmaniye, Sanli Urfa, Sirnak