

# Middle East Polio Technical Bulletin

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

Data in WHO as of 17 December 2013 (Week 51) – No.2



## Situation Update

### As of 17 December:

After a 15-year absence of wild poliovirus in the Middle East, the Minister of Health of the Syrian Arab Republic declared a polio outbreak on 28 October 2013 with 13 confirmed cases from Deir-Al-Zour.

Genetic sequencing indicates that the virus has been in the region for nearly a year and is linked to virus detected in environmental samples from Egypt in December 2012, which are 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.

### 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)

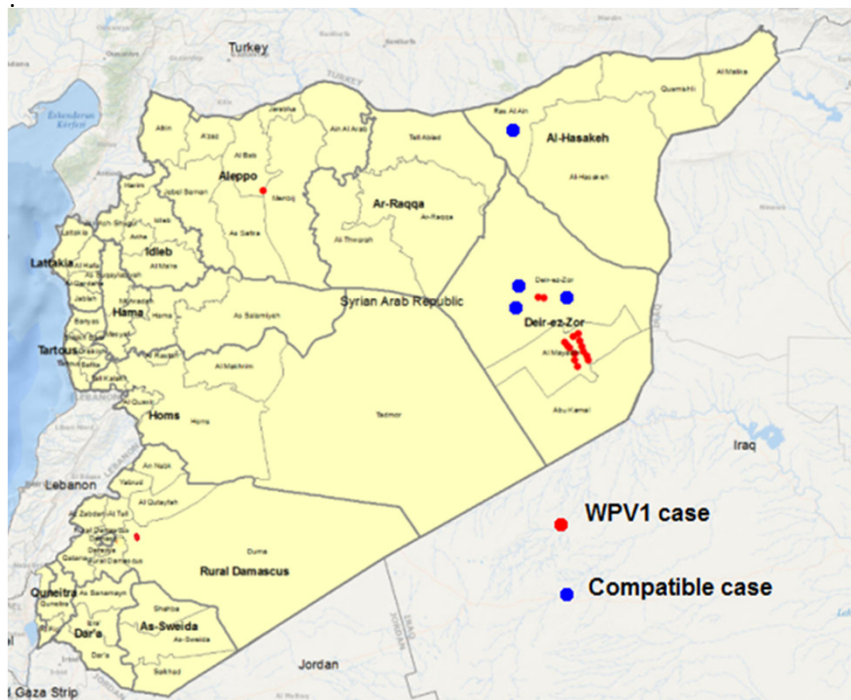
### SIA – Summary:

**Number of SIAs since Index case:**

2 (2 NIDs)

**Number of SIAs since last case:**

2 (2 NIDs)



# Summary information

as of 17 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%	26	3%	18	4%	2	7%	1	3%	0	0%	4	2%
6-23 months	13	76%	34	28%	360	38%	114	27%	3	11%	3	10%	10	29%	26	13%
24-59 months	3	18%	30	25%	329	35%	160	39%	14	50%	14	47%	10	29%	60	30%
60-119 months	1	6%	34	28%	178	19%	89	21%	6	21%	8	27%	5	15%	56	28%
120-179 months	0	0%	15	12%	57	6%	34	8%	3	11%	4	13%	9	26%	54	27%
180+ months	0	0%	4	3%	0	0%	0	0%	0	0%	0	0%	0	0%	3	1%
<b>TOTAL</b>	<b>17</b>		<b>122</b>		<b>950</b>		<b>415</b>		<b>28</b>		<b>30</b>		<b>34</b>		<b>203</b>	
<b>Vaccination status</b>																
0 Dose	9	53%	14	11%	0	0%	5	1%	0	0%	2	7%	0	0%	18	9%
1-2 Doses	6	35%	14	11%	15	2%	24	6%	0	0%	2	7%	0	0%	70	34%
3 Doses	1	6%	9	7%	12	1%	39	9%	1	4%	5	17%	0	0%	8	4%
4+ Doses	1	6%	79	65%	909	96%	322	78%	20	71%	17	57%	33	97%	107	53%
Unknown	0	0%	6	5%	14	1%	25	6%	7	25%	4	13%	1	3%	0	0%
<b>TOTAL</b>	<b>17</b>		<b>122</b>		<b>950</b>		<b>415</b>		<b>28</b>		<b>30</b>		<b>34</b>		<b>203</b>	
<b>Gender</b>																
M	10	59%	69	57%	548	58%	240	58%	19	68%	25	83%	14	41%	121	60%
F	7	41%	53	43%	402	42%	175	42%	9	32%	5	17%	20	59%	82	40%
<b>TOTAL</b>	<b>17</b>		<b>122</b>		<b>950</b>		<b>415</b>		<b>28</b>		<b>30</b>		<b>34</b>		<b>203</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>950</b>	<b>3.0</b>	<b>91</b>
Iraq	2010	489	4.0	87
	2011	530	4.3	89
	2012	467	3.8	90
	<b>2013</b>	<b>415</b>	<b>2.9</b>	<b>84</b>
Jordan	2010	40	1.8	95
	2011	30	1.4	97
	2012	34	1.5	85
	<b>2013</b>	<b>28</b>	<b>1.2</b>	<b>89</b>
Lebanon	2010	19	1.7	47
	2011	22	2.0	45
	2012	24	2.2	50
	<b>2013</b>	<b>30</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>139</b>	<b>1.2</b>	<b>70</b>
Turkey	2010	215	1.1	74
	2011	196	1.0	81
	2012	172	0.9	81
	<b>2013</b>	<b>203</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>34</b>	<b>2.1</b>	<b>94</b>

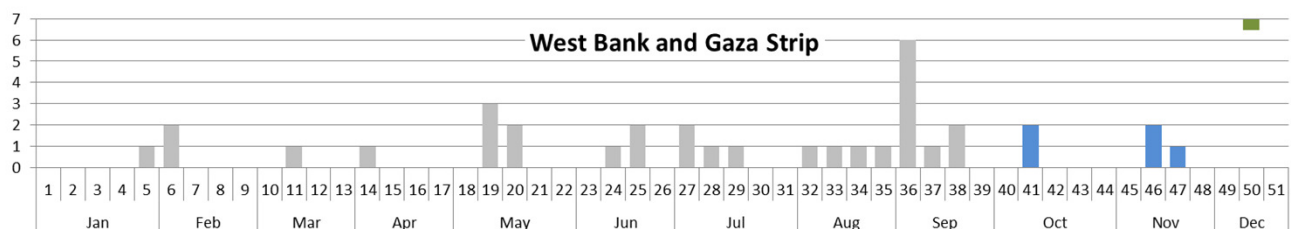
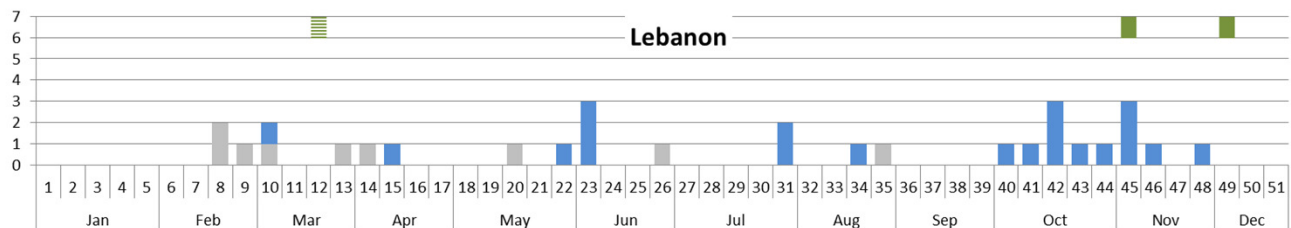
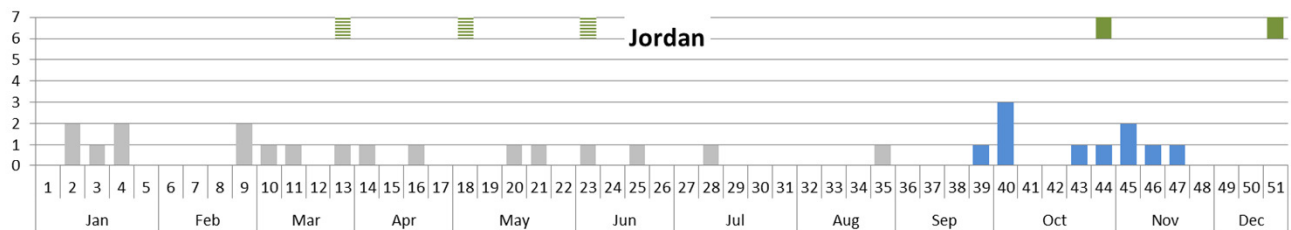
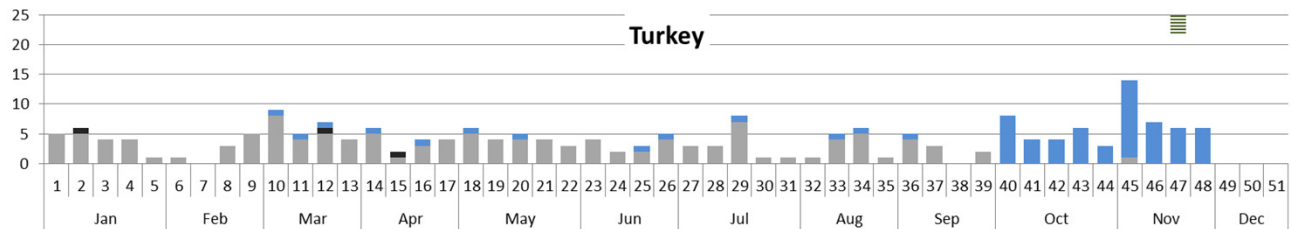
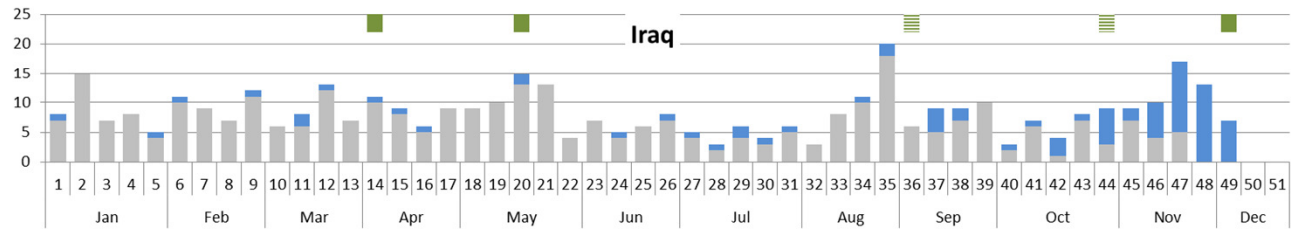
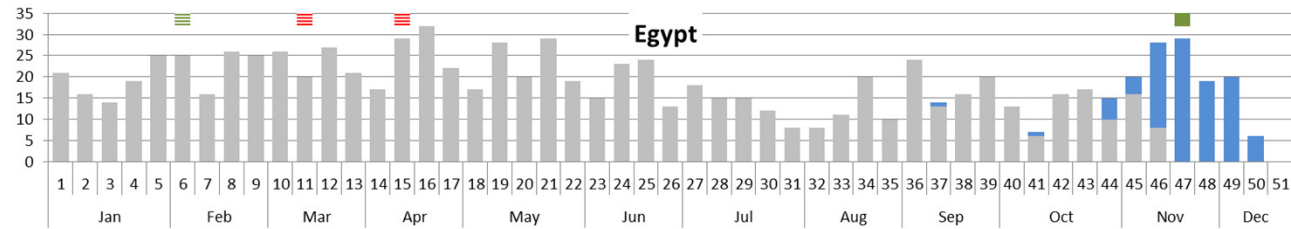
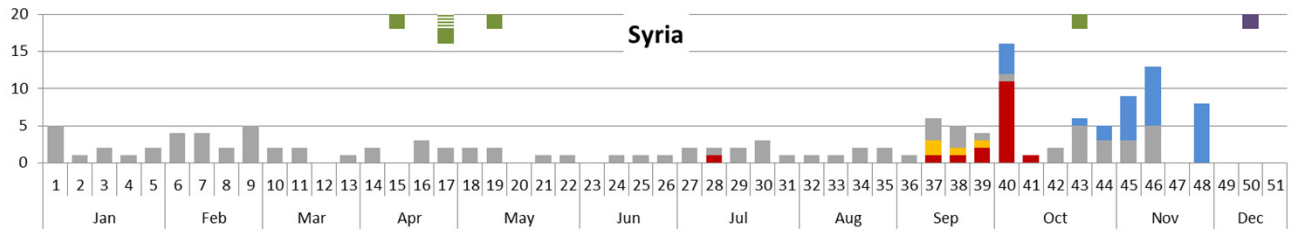
### Targets:

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

**Disclaimer:** For Syria, acute flaccid paralysis (AFP) cases and laboratory confirmation of AFP cases are in the process of being verified and reconciled.

# Epidemiological curves

as of 17 December 2013

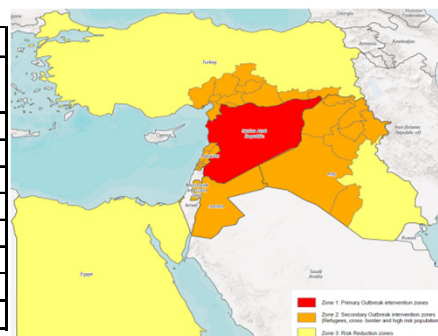


■ Wild 
 ■ Compatible 
 ■ Discarded 
 ■ Pending Lab result 
 ■ Pending classification 
 ■ NID (tOPV) 
 ■ SNID (tOPV) 
 ■ NID (bOPV) 
 ■ SNID (bOPV) 
 ■ NID (mOPV1) 
 ■ SNID (mOPV1)

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

as of 17 December 2013

Zones	Country	AFP case classification					Total AFP cases	Annualized (week 51)	
		Wild	Compatible	Discarded	Pending final classification	Pending lab result		NP AFP rate	NP AFP cases (expected nb)
1	SYR	17	4	89		29	139	1.2	192
2	JOR			18		10	28	1.2	47
	LEB			9		21	30	2.8	22
2 3	IRQ			334		81	415	2.9	283
	TUR			130	3	70	203	1.0	421
3	WBG			30		4	34	2.1	33
	EGY			845		105	950	3.0	633
	<b>Total</b>	17	4	1455	3	320	1799	2.2	1630



Zones	Country	Governorate / Region / Province	AFP case classification					Total AFP cases	Annualized (week 51)	
			Wild	Compatible	Discarded	Pending final classification	Pending lab result		NP AFP rate	NP AFP cases (expected nb)
1	SYR	ALEPPO	1		7		2	10	0.4	43
		DAMASCUS			10		2	12	1.7	14
		DARA			3		1	4	0.8	10
		DEIR_AL_ZOUR	15	3	17		11	46	4.8	12
		EDLEB			7		1	8	1.2	13
		HAMA			3		1	4	0.7	11
		HASAKEH		1	6		5	12	1.6	14
		HOMS			5		1	6	0.7	18
		LATTAKIA			9		2	11	3.2	7
		QUNEITERA			1			1	0.5	4
		RAQUA			8		1	9	1.4	13
		RURAL_DAMASCUS	1		8		2	11	0.8	25
		SWIEDA						0	0.0	2
TARTOUS			5			5	1.9	5		
2	IRQ	ANBAR			12		3	15	2.4	13
		DAHUK			9		6	15	3.3	9
		ERBIL			12		4	16	2.4	14
		KIRKUK			12		1	13	2.5	10
		NAJAF			12		4	16	3.0	11
		NINEWA			31		5	36	2.7	27
		SALAH AL-DIN			12		4	16	2.9	11
		SULAYMANIYAH			7		2	9	1.2	14
	JOR	AMMAN			4		4	8	0.9	17
		BALKA			1		1	2	1.3	3
		IRBID			6		1	7	1.7	8
		JARASH			1			1	1.3	2
		KARAK			1			1	1.1	2
MADABA						1	1	1.7	1	
MAFRAK				3			3	2.5	2	
ZARKA			1		3	4	1.1	7		
LEB	BEIRUT			1		3	4	3.6	2	
	BEKAA			1		4	5	3.6	3	
	MONT LIBAN			5		6	11	2.6	8	
	NABATIYE			1			1	1.5	1	
	NORTH			1		2	3	1.3	4	
	SOUTH					6	6	5.1	2	
TUR	Adana			2		4	6	0.9	13	
	Adiyaman			2	1		3	1.2	5	
	Gaziantep					7	7	1.1	12	
	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		1	12	1.8	13	
Sirnak			1			1	0.6	3		
3	IRQ	<i>(rest of the country)</i>			227		52	279	3.2	174
	TUR	<i>(rest of the country)</i>			110	1	47	158	0.9	343
	WBG				30		4	34	2.1	33
	EGY				845		105	950	3.0	633

# Outbreak Response

## Supplementary Immunization Activities

Country / Territory	Total SIAs completed in 2013		2013 SIA activities												2014 SIA activities						
	NID	CHD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Egypt	1	3		MOP 3-Feb tOPV	SNID 10-Mar mOPV1	SNID 13-Apr mOPV1															
Iraq	4	2			NID 31-Mar tOPV	NID 12-May tOPV				SNID 5-Sep tOPV	NID 27-Oct tOPV	SNID 2-Nov tOPV	NID 7-Dec tOPV	SNID 21-Jan bOPV	SNID 16-Feb bOPV	SNID 14-Mar bOPV					
Jordan	1	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										
Turkey			1																		
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, Nine wa, Salah Al-Din, Sulaymaniyah  
 Turkey: Adana, Adiyaman, Gaziantep, Hatay, K. Maras, Kilis, Malatya, Mardin, Osmaniye, Sanli Urfa, Sirmak