

# Wild Poliovirus 2009 - 2014

Country or territory <sup>3</sup>	Wild virus confirmed cases									Wild virus reported from other sources <sup>2</sup>						
	Total					01 Jan - 30 Sep <sup>1</sup>		Onset of most recent type 3	Onset of most recent type 1	Total						Date of most recent virus
	2009	2010	2011	2012	2013	2013	2014			2009	2010	2011	2012	2013	2014	
Pakistan	89	144	198	58	93	36	174	18-Apr-12	14-Sep-14	18	79	136	89	66	67	04-Sep-14
Afghanistan	38	25	80	37	14	6	10	11-Apr-10	01-Sep-14						1	21-Sep-14
Somalia	0	0	0	0	194	175	5	NA	11-Aug-14							
Nigeria	388	21	62	122	53	49	6	10-Nov-12	24-Jul-14			1	15	3	1	05-May-14
Cameroon	3	0	0	0	4	0	5	15-Oct-09	09-Jul-14							
Equatorial Guinea	0	0	0	0	0	0	5	NA	03-May-14							
Iraq	0	0	0	0	0	0	2	NA	07-Apr-14							
Israel <sup>4</sup>	0	0	0	0	0	0	0	NA	NA					136	14	30-Mar-14
Syria	0	0	0	0	35	0	1	NA	21-Jan-14							
Ethiopia	0	0	0	0	9	4	1	NA	05-Jan-14							
West Bank and Gaza	0	0	0	0	0	0	0	NA	NA					7	1	05-Jan-14
Kenya	19	0	1	0	14	14	0	NA	14-Jul-13					1		12-Oct-13
Egypt	0	0	0	0	0	0	0	NA	03-May-04		1		2			06-Dec-12
Niger	15	2	5	1	0	0	0	19-Jan-11	15-Nov-12							
Chad	64	26	132	5	0	0	0	10-Mar-11	14-Jun-12							
DRC	3	100	93	0	0	0	0	24-Jun-09	20-Dec-11							
CAR	14	0	4	0	0	0	0	09-Aug-09	08-Dec-11							
China	0	0	21	0	0	0	0	NA	09-Oct-11							
Guinea	42	0	3	0	0	0	0	03-Aug-11	03-Nov-09							
Côte d'Ivoire	26	0	36	0	0	0	0	24-Jul-11	06-Aug-09							
Angola	29	33	5	0	0	0	0	17-Nov-08	07-Jul-11							
Mali	2	4	7	0	0	0	0	23-Jun-11	01-May-10							
Congo <sup>5</sup>	0	441	1	0	0	0	0	NA	22-Jan-11							
Gabon	0	0	1	0	0	0	0	NA	15-Jan-11							
India <sup>6</sup>	741	42	1	0	0	0	0	22-Oct-10	13-Jan-11	2	19					10-Nov-10
Uganda	8	4	0	0	0	0	0	NA	15-Nov-10							
Russian Federation	0	14	0	0	0	0	0	NA	25-Sep-10							
Liberia	11	2	0	0	0	0	0	NA	08-Sep-10							
Nepal	0	6	0	0	0	0	0	15-Oct-08	30-Aug-10		1					12-Jul-10
Kazakhstan	0	1	0	0	0	0	0	NA	12-Aug-10							
Tajikistan	0	460	0	0	0	0	0	NA	04-Jul-10							
Turkmenistan	0	3	0	0	0	0	0	NA	28-Jun-10							
Senegal	0	18	0	0	0	0	0	NA	30-Apr-10							
Mauritania	13	5	0	0	0	0	0	NA	28-Apr-10							
Sierra Leone	11	1	0	0	0	0	0	NA	28-Feb-10							
Burkina Faso	15	0	0	0	0	0	0	NA	25-Oct-09							
Burundi	2	0	0	0	0	0	0	NA	12-Sep-09							
Sudan	45	0	0	0	0	0	0	16-Dec-08	27-Jun-09	1						09-Jan-09
Benin	20	0	0	0	0	0	0	01-Dec-08	19-Apr-09							
Togo	6	0	0	0	0	0	0	NA	28-Mar-09							
<b>Total</b>	<b>1604</b>	<b>1352</b>	<b>650</b>	<b>223</b>	<b>416</b>	<b>284</b>	<b>209</b>			<b>23</b>	<b>100</b>	<b>137</b>	<b>106</b>	<b>213</b>	<b>84</b>	
Total wild virus type 1 <sup>7</sup>	482	1265	583	202	416	284	209									
Total wild virus type 3	1122	87	67	21	0	0	0									
Tot. in endemic countries	1256	232	341	217	160	91	190									
Tot. in non-end countries	348	1120	309	6	256	193	19									
No. of countries	23	20	16	5	8	6	9									
No. of endemic countries	4	4	4	3	3	3	3									

Countries in yellow are endemic. Countries in pale yellow are considered to have active transmission (i.e. within the previous 6 months) of an imported poliovirus

<sup>1</sup>Data in WHO HQ on 01 Oct 2013 for 2013 data and 30 Sep 2014 for 2014 data. <sup>2</sup>Wild viruses from environmental samples, contacts and other sources. <sup>3</sup>In March 2014, a serotype 1 wild poliovirus was detected in an environment specimen from Brazil, further investigation indicates this is an isolated event without evidence of circulation. <sup>4</sup>Results are based on L20B positive culture. Prior to reporting week 16, results were based on a combination of direct qRT-PCR on RNA from concentrated sewage and L20B positive culture. <sup>5</sup>The 2010 total includes cases with inadequate specimens that were exceptionally classified as confirmed polio based on their association with the WPV1 outbreak. <sup>6</sup>As of 28 February 2012, India is no longer considered to be a polio-endemic country. <sup>7</sup>Includes 1 case in 2012 with a mixture of W1W3 virus. NA - Most recent case had onset prior to 1999.

# Wild Poliovirus Cases by Type, 2013 & 2014 - Year to Date Comparison

Country classification	Total 2013		01 January - 30 September <sup>1</sup>				Onset of most recent case
			2013		2014		
	W1	W3	W1	W3	W1	W3	
<b>Endemic</b>							
Pakistan	93		36		174		14-Sep-14
Afghanistan	14		6		10		01-Sep-14
Nigeria	53		49		6		24-Jul-14
<b>Total</b>	<b>160</b>	<b>0</b>	<b>91</b>	<b>0</b>	<b>190</b>	<b>0</b>	
<b>Outbreak</b>							
Somalia	194		175		5		11-Aug-14
Cameroon	4				5		09-Jul-14
Equatorial Guinea					5		03-May-14
Iraq					2		07-Apr-14
Syria	35				1		21-Jan-14
Ethiopia	9		4		1		05-Jan-14
Kenya	14		14				14-Jul-13
<b>Total</b>	<b>256</b>	<b>0</b>	<b>193</b>	<b>0</b>	<b>19</b>	<b>0</b>	
<b>Global total</b>	<b>416</b>	<b>0</b>	<b>284</b>	<b>0</b>	<b>209</b>	<b>0</b>	

<sup>1</sup>Data as of 01 October 2013 for 2013 data and 30 September 2014 for 2014 data.

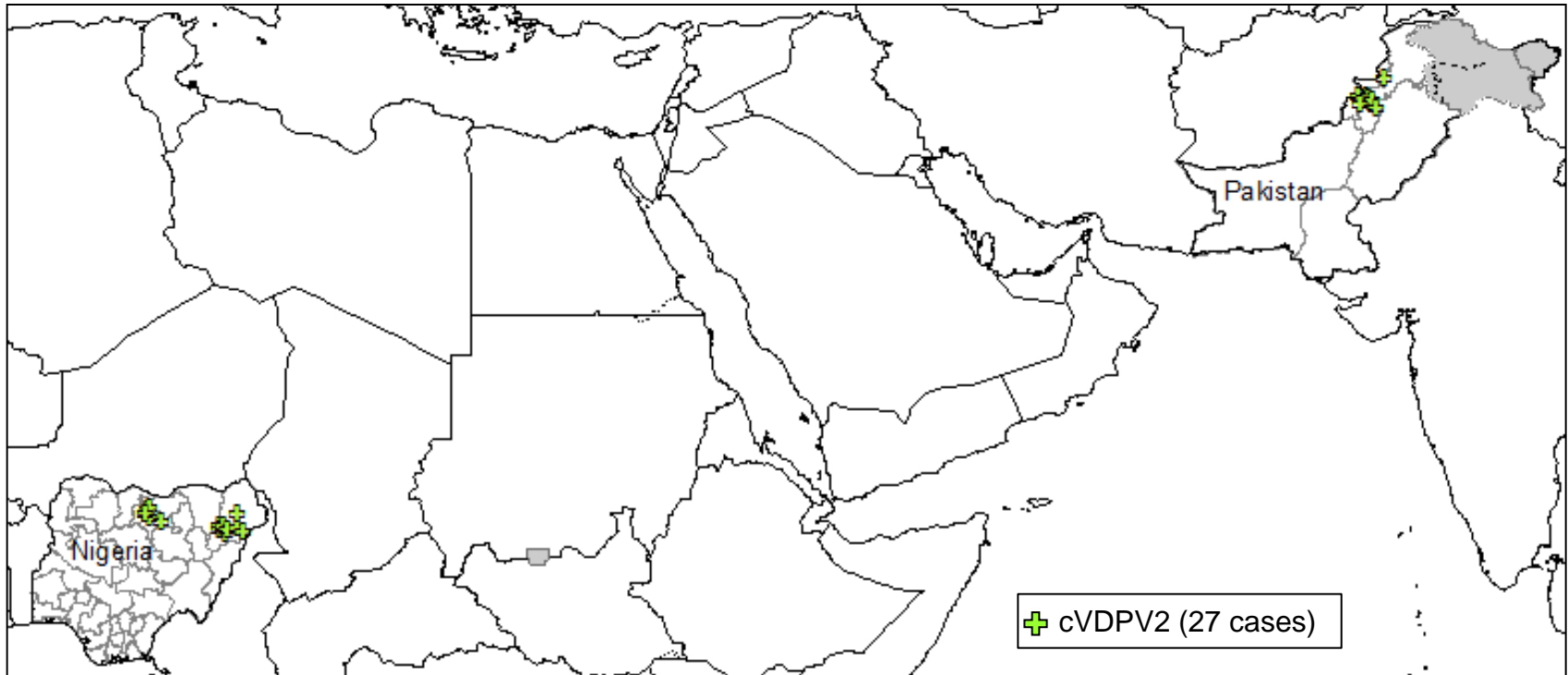
# Circulating Vaccine-derived Poliovirus Cases<sup>1</sup>, 2000 - 2014

Country	cVDPV type 1 <sup>2</sup>															Onset of most recent case
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Mozambique												2				02-Jun-11
Myanmar							1	4								06-Dec-07
Indonesia						46										26-Oct-05
China					2											11-Nov-04
Philippines		3														26-Jul-01
DOR/Haiti	12	9														12-Jul-01
<b>Total type 1</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>46</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Country	cVDPV type 2 <sup>2</sup>															Onset of most recent case
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Nigeria						3	22	71	68	155	27	34	8	4	20	17-Aug-14
Pakistan													16	48	19	23-Jun-14
Cameroon														4		12-Aug-13
Niger							2			2	1	1		1		11-Jul-13
Chad											1		12	4		12-May-13
Afghanistan											5	1	9	3		13-Mar-13
Somalia									1	6	1	9	1	1		09-Jan-13
Kenya													3			29-Aug-12
DR Congo									13	5	18	11	17			04-Apr-12
China													2			06-Feb-12
Yemen												9				05-Oct-11
India										15	2					18-Jan-10
Ethiopia									3	1						16-Feb-09
Madagascar		1	4			3										13-Jul-05
<b>Total type 2</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>24</b>	<b>71</b>	<b>85</b>	<b>184</b>	<b>55</b>	<b>65</b>	<b>68</b>	<b>65</b>	<b>39</b>	
Country	cVDPV type 3 <sup>2</sup>															Onset of most recent case
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Yemen													3	1		12-Jul-13
Ethiopia										1	5					17-May-10
Cambodia						1	1									15-Jan-06
<b>Total type 3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	

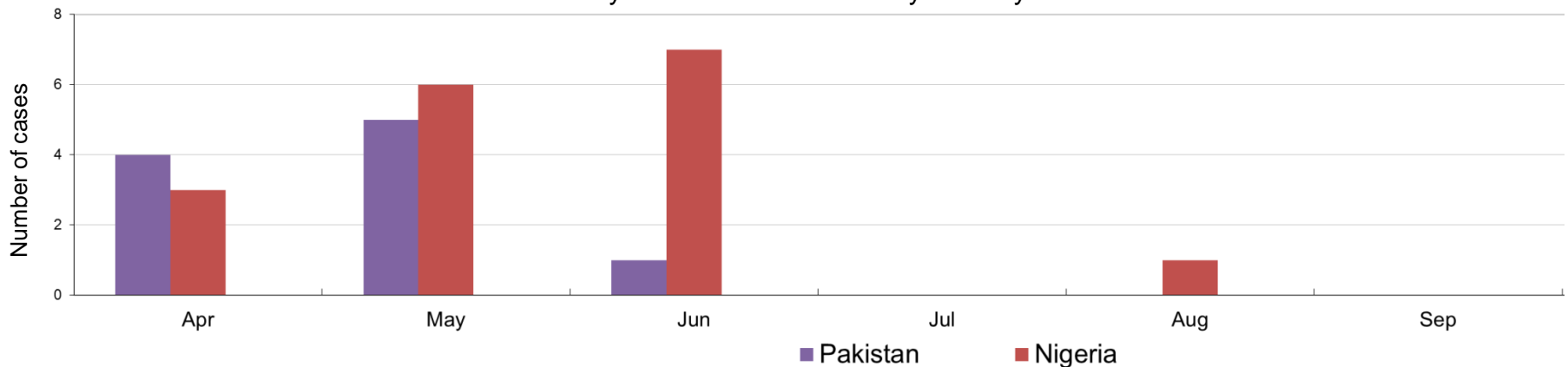
Data in WHO HQ as of 30 September 2014

<sup>1</sup>Circulating vaccine-derived poliovirus (cVDPV) is associated with 2 or more AFP cases. Niger 2006, Niger 2009, Niger 2010, Chad 2010 cVDPVs are linked to the Nigeria outbreak. Kenya 2012 cVDPVs are linked to the Somalia outbreak. VDPV type 2 cases with greater than or equal to 6nt difference from sabin in VP1; VDPV types 1 and 3 cases with greater than or equal to 10nt difference from sabin in VP1 are reported here. Figures exclude VDPV from non-AFP sources. Nigeria figures include the following cases with WPV1/cVDPV2 mixture: 2005 - 2, 2006 - 1, 2007 - 1, 2008 - 3, 2009 - 1, 2011 - 1; WPV3/cVDPV2 mixture 2007 - 2. <sup>2</sup>Figures include multiple emergences and transmission chains. 1 cVDPV2 awaiting country assignment is not represented in the slide. On 22 May a case, with a date of onset of paralysis of 4 May, was reported in Niger from a Nigerian child.

# Circulating Vaccine-derived Poliovirus Cases<sup>1</sup>, Previous 6 Months<sup>2</sup>



Monthly Distribution of Cases by Country



<sup>1</sup>Circulating vaccine-derived poliovirus (cVDPV) is associated with 2 or more AFP cases. VDPV type 2 cases with greater than or equal to 6nt difference from sabin in VP1; VDPV types 1 and 3 cases with greater than or equal to 10nt difference from sabin in VP1 are reported. Figures exclude VDPV from non-AFP source. Figures may include different chains of transmission. 1 VDPV2 awaiting country assignment is not represented in the slide. On 22 May a case, with a date of onset of paralysis of 4 May, was reported in Niger from a Nigerian child.

## Comparison of 2013 and 2014 Data Year to Date (01 January to 30 September)

WHO region	AFP Cases		Wild Virus		Polio Compatible		Pending Final Classification			Data received in HQ
							Total		>90 days	
	2013	2014	2013	2014	2013	2014	2013	2014	2014	
<b>African</b>	14227	15575	64	18	66	54	1583	1907	689	as of 29 September
<b>Central</b>	2552	2369	0	11	35	11	213	294	66	
<b>South/East</b>	3449	3903	15	1	10	9	624	692	318	
<b>West</b>	8226	9303	49	6	21	34	746	921	305	
<b>American</b>	1167	1062	0	0	0	1	448	269	153	as of 19 September
<b>Eastern Mediterranean</b>	8116	8407	220	191	2	6	928	812	129	as of 29 September
<b>European</b>	1154	1113	0	0	0	0	450	429	118	as of 29 September
<b>South East Asian</b>	41464	41410	0	0	6	1	4774	4772	1149	as of 29 September
<b>Western Pacific</b>	4194	4163	0	0	1	1	950	1066	341	as of 23 September
<b>Global</b>	70322	71730	284	209	75	63	9133	9255	2579	

Data for 2013 as of 01 October 2013 and for 2014 as of 30 September 2014

## Comparison of 2012 and 2013 Data Year to Date (01 January to 31 December)

WHO region	AFP Cases		Wild Virus		Polio Compatible		Pending Final Classification			Data received in HQ
							Total		>90 days	
	2012	2013	2012	2013	2012	2013	2012	2013	2013	
<b>African</b>	18075	20253	128	80	260	309	0	0	0	as of 29 September
<b>Central</b>	3270	3572	5	4	87	91	0	0	0	
<b>South/East</b>	4838	5037	0	23	58	73	0	0	0	
<b>West</b>	9967	11644	123	53	115	145	0	0	0	
<b>American</b>	2110	1963	0	0	2	1	0	2	2	as of 19 September
<b>Eastern Mediterranean</b>	11119	11539	95	336	15	54	0	2	2	as of 29 September
<b>European</b>	1511	1600	0	0	1	0	0	3	3	as of 29 September
<b>South East Asian</b>	66045	59461	0	0	31	33	0	17	17	as of 29 September
<b>Western Pacific</b>	7596	6839	0	0	6	4	0	0	0	as of 23 September
<b>Global</b>	106456	101655	223	416	315	401	0	24	24	

Data for 2012 as of 01 October 2013 and for 2013 as of 30 September 2014

Countries with cases pending final classification in 2013:

India (17)

Djibouti (2), Kyrgyzstan (2)

Cyprus (1), Guatemala (1), Chile (1)