

Highlights of New Wild Poliovirus Cases

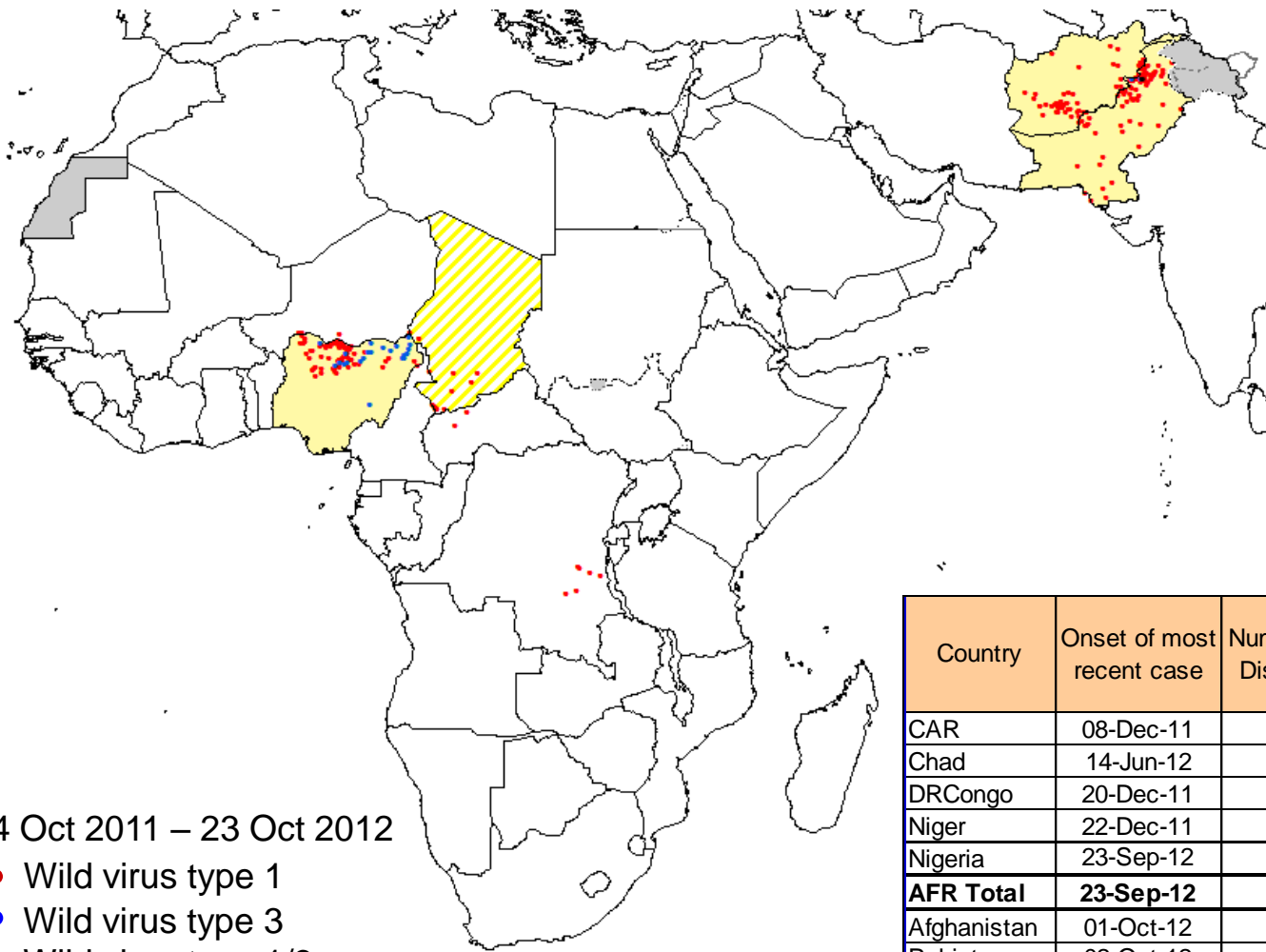
6 new officially reported WPV cases

- 3 cases (3 W1) and 1 new district in Pakistan
- 1 case (W1) in a previously infected district in Afghanistan
- 2 cases (2 W1) in previously infected districts in Nigeria

New *district* refers to areas that were previously without wild polio virus in 2012.

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Wild Poliovirus¹, Previous 12 Months*



*24 Oct 2011 – 23 Oct 2012

- Wild virus type 1
- Wild virus type 3
- Wild virus type 1/3

- Endemic country
- ▨ Country with WPV case in previous 6 months
- Country with WPV case 6-12 months ago

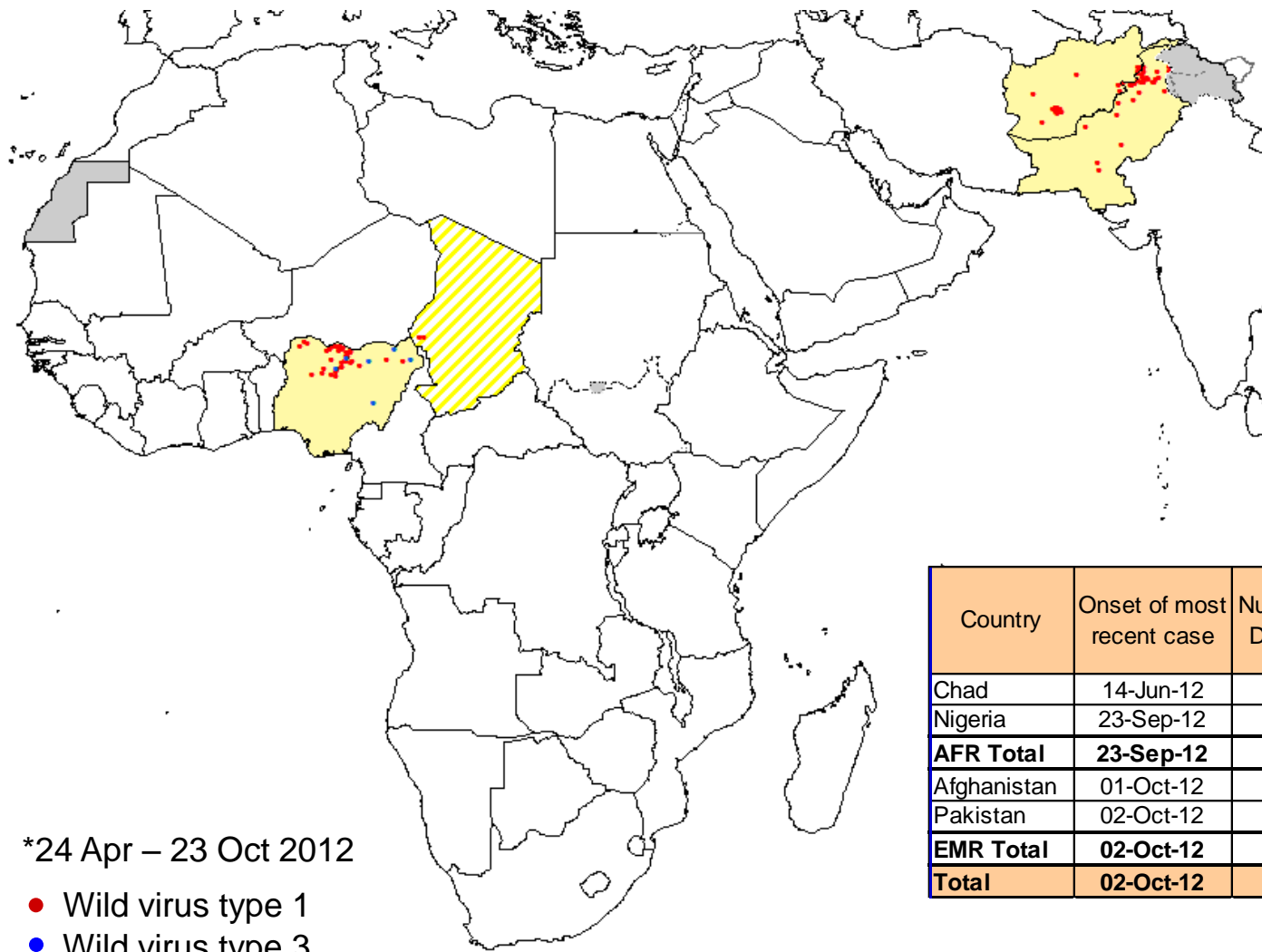
Country	Onset of most recent case	Number of Districts	Virus Type			TOTAL WPV
			W1	W3	W1 W3	
CAR	08-Dec-11	1	2			2
Chad	14-Jun-12	7	14			14
DR Congo	20-Dec-11	3	6			6
Niger	22-Dec-11	2	3			3
Nigeria	23-Sep-12	63	92	22		114
AFR Total	23-Sep-12	76	117	22		139
Afghanistan	01-Oct-12	28	51			51
Pakistan	02-Oct-12	44	86	2	1	89
EMR Total	02-Oct-12	72	137	2	1	140
Total	02-Oct-12	148	254	24	1	279

¹Excludes viruses detected from environmental surveillance and vaccine derived polioviruses.

1 WPV1 in Gilgit Baltistan, date of onset 11 August 2012, does not appear on the map.

Data in WHO HQ as of 23 October 2012

Wild Poliovirus¹, Previous 6 Months*



*24 Apr – 23 Oct 2012

● Wild virus type 1

● Wild virus type 3

■ Endemic country

■ Country with WPV case in previous 6 months

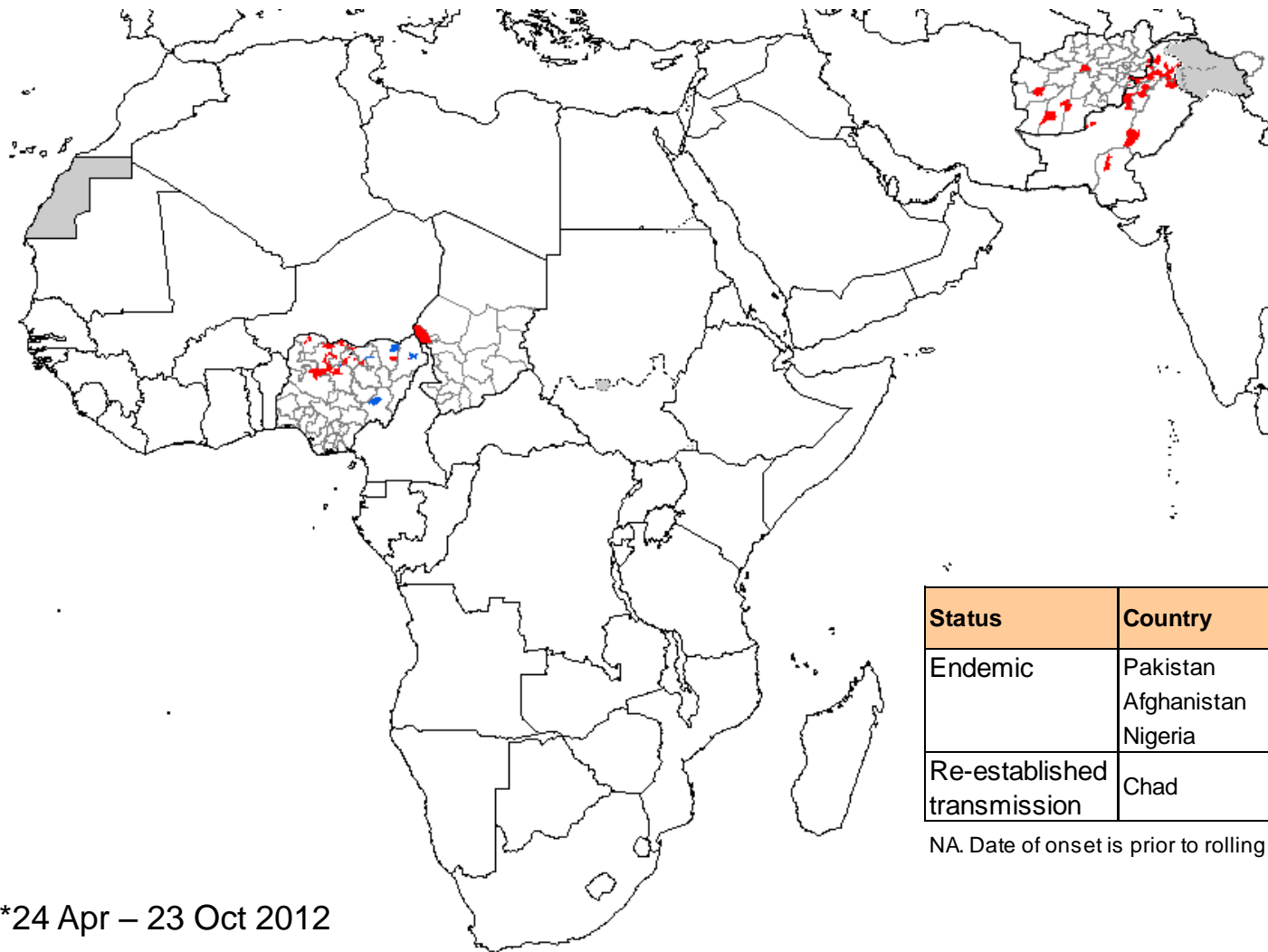
Country	Onset of most recent case	Number of Districts	Virus Type		TOTAL WPV
			W1	W3	
Chad	14-Jun-12	1	2		2
Nigeria	23-Sep-12	34	53	6	59
AFR Total	23-Sep-12	35	55	6	61
Afghanistan	01-Oct-12	11	20		20
Pakistan	02-Oct-12	21	31		31
EMR Total	02-Oct-12	32	51		51
Total	02-Oct-12	67	106	6	112

¹Excludes viruses detected from environmental surveillance and vaccine derived polioviruses.

1 WPV1 in Gilgit Baltistan, date of onset 11 August 2012, does not appear on the map.

Data in WHO HQ as of 23 October 2012

Wild Poliovirus Infected Districts¹, Previous 6 Months*



Status	Country	Date of most recent type 1	Date of most recent type 3
Endemic	Pakistan	02-Oct-12	NA
	Afghanistan	01-Oct-12	NA
	Nigeria	23-Sep-12	10-Aug-12
Re-established transmission	Chad	14-Jun-12	NA

NA. Date of onset is prior to rolling 6-month period

*24 Apr – 23 Oct 2012

- District infected with wild polio virus type 1
- District infected with wild polio virus type 3
- District infected with both types of wild poliovirus

¹Excludes viruses detected from environmental surveillance and vaccine derived polioviruses.

¹ WPV1 in Gilgit Baltistan, date of onset 11 August 2012, does not appear on the map.

Wild Poliovirus 2007 - 2012

Country or territory ³	Wild virus confirmed cases									Wild virus reported from other sources ²							
	Total					01 Jan - 23 Oct ¹		Date of most recent type 3	Date of most recent type 1	Total							Date of most recent virus
	2007	2008	2009	2010	2011	2011	2012			2006	2007	2008	2009	2010	2011	2012	
Pakistan	32	117	89	144	198	132	47	18-Apr-12	02-Oct-12				18	79	142	66	24-Sep-12
Afghanistan	17	31	38	25	80	43	26	11-Apr-10	01-Oct-12	1			2				27-Jul-09
Nigeria	285	798	388	21	62	41	97	10-Aug-12	23-Sep-12						1	14	16-Jul-12
Chad	22	37	64	26	132	114	5	10-Mar-11	14-Jun-12								
Niger	11	12	15	2	5	2	0	19-Jan-11	22-Dec-11								
DRC	41	5	3	100	93	84	0	24-Jun-09	20-Dec-11								
CAR	0	3	14	0	4	1	0	09-Aug-09	08-Dec-11								
China	0	0	0	0	21	18	0	NA	09-Oct-11								
Guinea	0	0	42	0	3	3	0	03-Aug-11	03-Nov-09								
Kenya	0	0	19	0	1	1	0	NA	30-Jul-11								
Côte d'Ivoire	0	1	26	0	36	36	0	24-Jul-11	06-Aug-09								
Angola	8	29	29	33	5	4	0	17-Nov-08	07-Jul-11								
Mali	0	1	2	4	7	7	0	23-Jun-11	01-May-10								
Congo ⁴	0	0	0	441	1	1	0	NA	22-Jan-11								
Gabon	0	0	0	0	1	1	0	NA	15-Jan-11								
India ⁵	874	559	741	42	1	1	0	22-Oct-10	13-Jan-11	2	13	33	2	19			10-Nov-10
Egypt	0	0	0	0	0	0	0	NA	03-May-04			2		1			21-Dec-10
Uganda	0	0	8	4	0	0	0	NA	15-Nov-10								
Russian Federation	0	0	0	14	0	0	0	NA	25-Sep-10								
Liberia	0	0	11	2	0	0	0	NA	08-Sep-10								
Nepal	5	6	0	6	0	0	0	15-Oct-08	30-Aug-10					1			12-Jul-10
Kazakhstan	0	0	0	1	0	0	0	NA	12-Aug-10								
Tajikistan	0	0	0	460	0	0	0	NA	04-Jul-10								
Turkmenistan	0	0	0	3	0	0	0	NA	28-Jun-10								
Senegal	0	0	0	18	0	0	0	NA	30-Apr-10								
Mauritania	0	0	13	5	0	0	0	NA	28-Apr-10								
Sierra Leone	0	0	11	1	0	0	0	NA	28-Feb-10								
Burkina Faso	0	6	15	0	0	0	0	NA	25-Oct-09								
Cameroon	0	0	3	0	0	0	0	15-Oct-09	06-Dec-06								
Burundi	0	0	2	0	0	0	0	NA	12-Sep-09								
Sudan	1	26	45	0	0	0	0	16-Dec-08	27-Jun-09		1		1				09-Jan-09
Benin	0	6	20	0	0	0	0	01-Dec-08	19-Apr-09								
Togo	0	3	6	0	0	0	0	NA	28-Mar-09								
Ghana	0	8	0	0	0	0	0	NA	08-Nov-08								
Ethiopia	0	3	0	0	0	0	0	NA	27-Apr-08								
Myanmar	11	0	0	0	0	0	0	NA	28-May-07								
Somalia	8	0	0	0	0	0	0	06-Oct-02	25-Mar-07								
Total	1315	1651	1604	1352	650	489	175			3	14	35	23	100	143	80	
Total wild virus type 1⁶	321	976	482	1265	583	428	156										
Total wild virus type 3	994	675	1122	87	67	61	19										
Tot. in endemic countries	1208	1505	1256	232	341	217	170										
Tot. in non-end countries	107	146	348	1120	309	272	5										
No. of countries	12	18	23	20	16	16	4										
No. of endemic countries	4	4	4	4	4												

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.

¹Data in WHO HQ on 25 Oct 2011 for 2011 data and 23 Oct 2012 for 2012 data. ²Wild viruses from environmental samples, contacts and other non-AFP sources. ³All cases, except those occurring in endemic countries, are importation related. ⁴The 2010 total includes cases with inadequate specimens that were exceptionally classified as confirmed polio based on their association with the WPV1 outbreak. ⁵As of 28 February 2012, India is no longer considered to be a polio-endemic country. ⁶Includes 1 case in 2012, 3 in 2009 and 2007, and 2 in 2008 with a mixture of W1W3 virus. NA - Most recent case had onset prior to 1999.

Wild Poliovirus Cases by Type 2011 & 2012 - Year to Date Comparison

Country classification	Total 2011		01 January - 23 October ¹						Date of most recent case
			2011			2012			
	W1	W3	W1	W3	W1W3	W1	W3	W1W3	
Endemic									
Pakistan	196	2	130	2		44	2	1	02-Oct-12
Afghanistan	80		43			26			01-Oct-12
Nigeria	47	15	32	9		80	17		23-Sep-12
India*	1		1						13-Jan-11
Total	324	17	206	11	0	150	19	1	
Re-established transmission									
Chad	129	3	111	3		5			14-Jun-12
DR Congo	93		84						20-Dec-11
Angola	5		4						07-Jul-11
Total	227	3	199	3	0	5	0	0	
Outbreak									
Niger	4	1	1	1					22-Dec-11
CAR	4		1						08-Dec-11
China	21		18						09-Oct-11
Guinea		3		3					03-Aug-11
Kenya	1		1						30-Jul-11
Côte d'Ivoire		36		36					24-Jul-11
Mali		7		7					23-Jun-11
Congo	1		1						22-Jan-11
Gabon	1		1						15-Jan-11
Total	32	47	23	47	0	0	0	0	
Global total	583	67	428	61	0	155	19	1	

¹Data in WHO as of 25 October 2011 for 2011 data and 23 October 2012 for 2012 data.

*As of 28 February 2012, India is no longer considered to be a polio-endemic country.

Circulating Vaccine-derived Poliovirus¹, 2000-2012

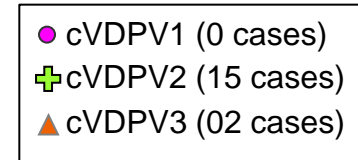
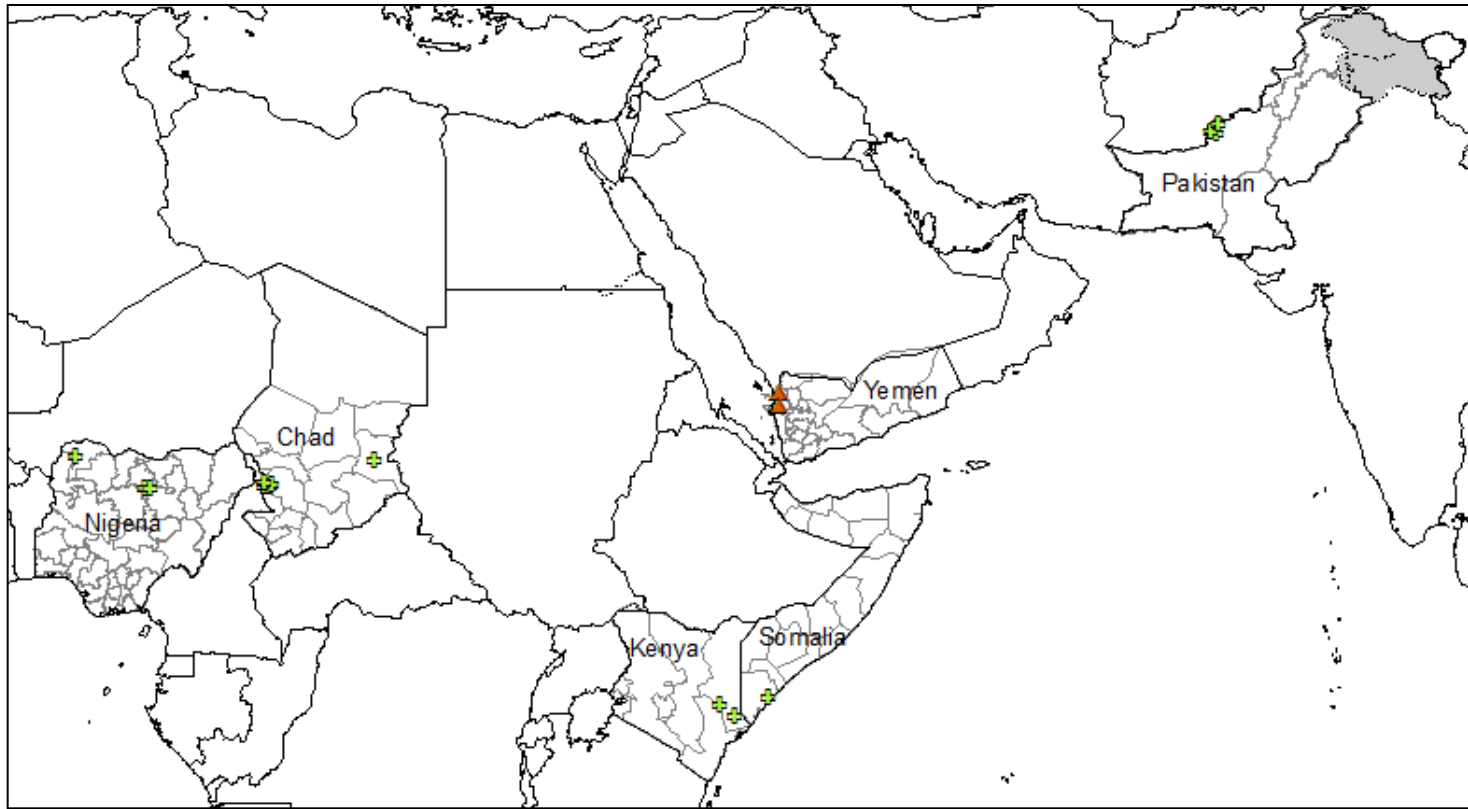
Country	cVDPV type 1*													Most recent transmission chain		
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	First case	Most recent case	Duration in weeks
Mozambique												2		10-Feb-11	02-Jun-11	16
Myanmar							1	4						30-Apr-07	06-Dec-07	31
Indonesia						46								09-Jul-05	26-Oct-05	15
China					2									13-Jun-04	11-Nov-04	21
Philippines		3												15-Mar-01	26-Jul-01	19
DOR/Haiti	12	9												12-Jul-00	12-Jul-01	52

Country	cVDPV type 2*													Most recent transmission chain		
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	First case	Most recent case	Duration in weeks
Pakistan													3	30-Aug-12	17-Sep-12	2
Chad											1		6	25-Aug-12	12-Sep-12	2
Nigeria						3	22	71	66	154	27	34	4	05-Jun-06	16-Aug-12	323
Somalia									1	6	1	9	1	19-Apr-11	23-Jul-12	65
Kenya**													3	18-Apr-12	25-Jun-12	9
DRCongo									13	5	18	11	17	04-Nov-11	04-Apr-12	21
Niger**							2				2	1	1	11-Nov-11	11-Nov-11	<1
Yemen												9		08-Aug-11	05-Oct-11	8
Afghanistan												5	1	10-Jun-10	20-Jan-11	32
India										15	2			18-Oct-09	18-Jan-10	13
Ethiopia									3	1				04-Oct-08	16-Feb-09	19
Madagascar		1	4			3								26-Jun-05	13-Jul-05	2

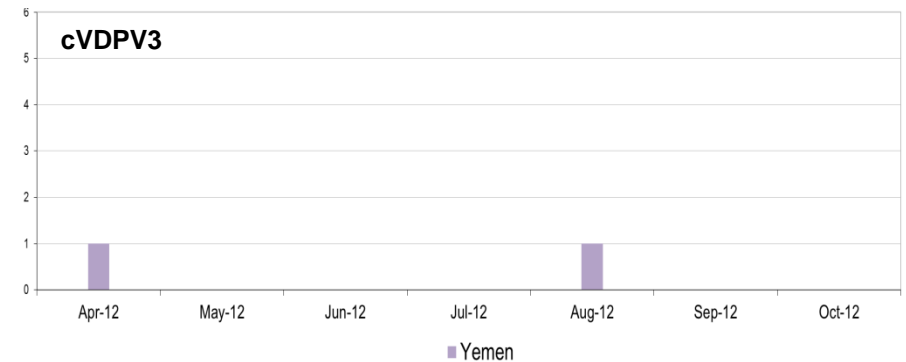
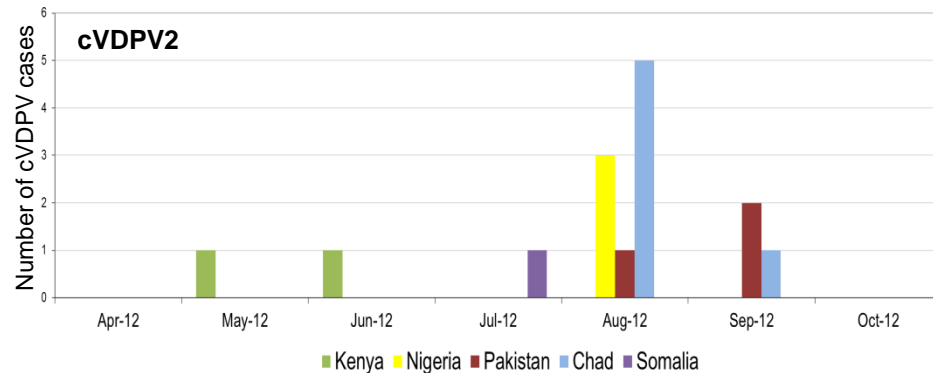
Country	cVDPV type 3*													Most recent transmission chain		
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	First case	Most recent case	Duration in weeks
Yemen													2	27-Apr-12	24-Aug-12	17
Ethiopia										1	6			27-Apr-09	17-May-10	55
Cambodia						1	1							26-Nov-05	15-Jan-06	7

¹Circulating Vaccine-derived poliovirus (cVDPV) is associated with 2 or more cases of AFP. 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. *Figures include multiple emergences and transmission chains. **cVDPVs due to importation.

Circulating Vaccine-derived Poliovirus*, Previous 6 Months**



Monthly distribution of cases by country



****24 Apr – 23 Oct 2012**
Data in WHO HQ as of 23 October 2012

*Circulating Vaccine-derived poliovirus (cVDPV) is associated with 2 or more cases of AFP. 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 source. Figures may include different chains of transmission.

Comparison of 2011 and 2012 Data Year to Date (01 Jan to 23 Oct)

WHO region	AFP Cases		Wild Virus		Polio Compatible		Pending Final Classification			Data received in HQ
	2011	2012	2011	2012	2011	2012	Total		>90 days	
							2011	2012	2012	
African	12285	13913	295	102	86	115	1720	1514	575	as of 22 Oct wild virus as of 17 Oct
Central	2749	2430	205	5	34	71	283	186	52	
South/East	2948	3706	1	0	8	5	727	589	265	
West	6588	7777	89	97	44	39	710	739	258	
American	890	954	0	0	0	0	337	194	103	as of 15 Oct
Eastern Mediterranean	9122	8570	175	73	10	6	756	753	161	as of 22 Oct
European	1220	1213	0	0	0	0	398	336	61	as of 22 Oct
South East Asian	49714	52763	1	0	30	9	6261	5340	1540	as of 22 Oct
Western Pacific	4841	5561	18	0	8	4	346	1155	377	as of 23 Oct
Global	78072	82974	489	175	134	134	9818	9292	2817	

Data for 2011 as of 25 October 2011 and for 2012 as of 23 October 2012.

AFP Cases Pending Classification, 2011

WHO region	AFP Cases	Wild Virus	Polio Compatible	Pending Final Classification
African	16636	350	361	0
Central	3581	236	100	0
South/East	4336	1	108	0
West	8719	113	153	0
American	1704	0	1	0
Eastern Mediterranean	11742	278	45	0
European	1544	0	0	0
South East Asian	65331	1	54	0
Western Pacific	7303	21	18	4
Global	104260	650	479	4

Countries with cases pending final classification:
Fiji (3), Solomon Islands (1)