

# Challenges to Polio Eradication in Africa

# Summary of WPV transmission

- In 2002 with synchronised SIAs and good surveillance performance, AFR interrupted polio transmission in almost all countries except in 4 countries (Nigeria, Niger, Burkina Faso and Zambia)
- Following OPV controversy in Nigeria from 2003-2004, the Region experienced in 2004 a set back:
  - 12 polio infected countries
  - 934 wild poliovirus isolated (Nigeria accounted for 84% of AFR cases and 62% of global cases)
- 9 countries in 2006 reported WPV cases and 5 in 2007 as of 7<sup>th</sup> Aug

# 2004/06 Wild Polioviruses in the African Region

(as of 9<sup>th</sup> Aug 2006)

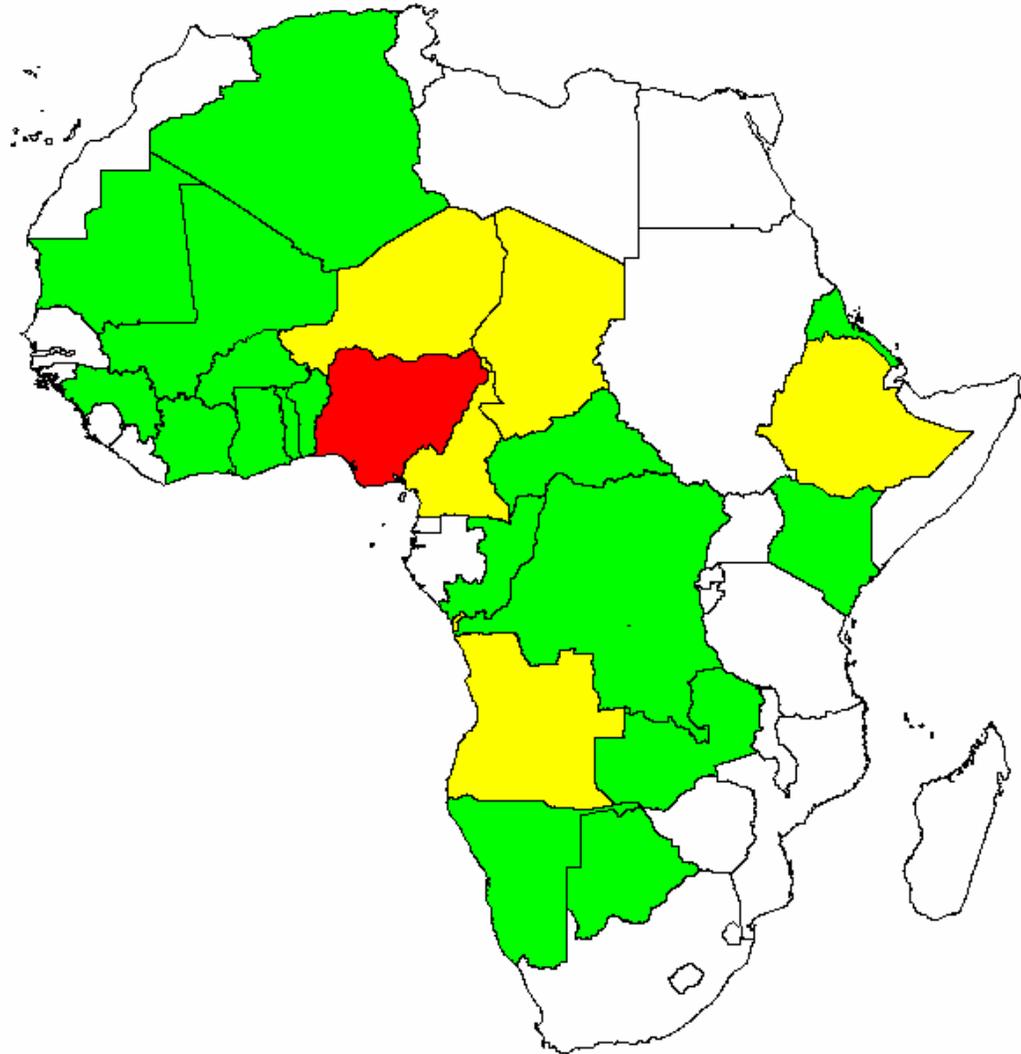
Country	2004	2005	2006	Onset most recent WPV	Months since last WPV
<b>Angola</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>27/06/06</b>	<b>0</b>
Benin	6	0	0	1/6/04	25
Botswana	1	0	0	8/2/04	28
B. Faso	9	0	0	4/10/04	20
Cameroon	13	1	0	8/2/05	16
CAR	30	0	0	21/11/04	19
Chad	24	2	0	7/12/05	6
Cote D'Ivoire	17	0	0	3/10/04	20
<b>DRC</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>21/06/06</b>	<b>1</b>
Eritrea	0	1	0	23/04/05	14
<b>Ethiopia</b>	<b>1</b>	<b>22</b>	<b>8</b>	<b>06/06/06</b>	<b>2</b>
Guinea	7	0	0	23/09/04	21
Mali	19	3	0	1/5/05	13
<b>Namibia</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>26/06/06</b>	<b>0</b>
<b>Niger</b>	<b>25</b>	<b>10</b>	<b>7</b>	<b>29/05/06</b>	<b>2</b>
<b>Nigeria</b>	<b>792</b>	<b>802</b>	<b>671</b>	<b>19/05/06</b>	<b>1</b>
<b>Total</b>	<b>944</b>	<b>851</b>	<b>715</b>		

# Wild Poliovirus Importation 2000 – 2007

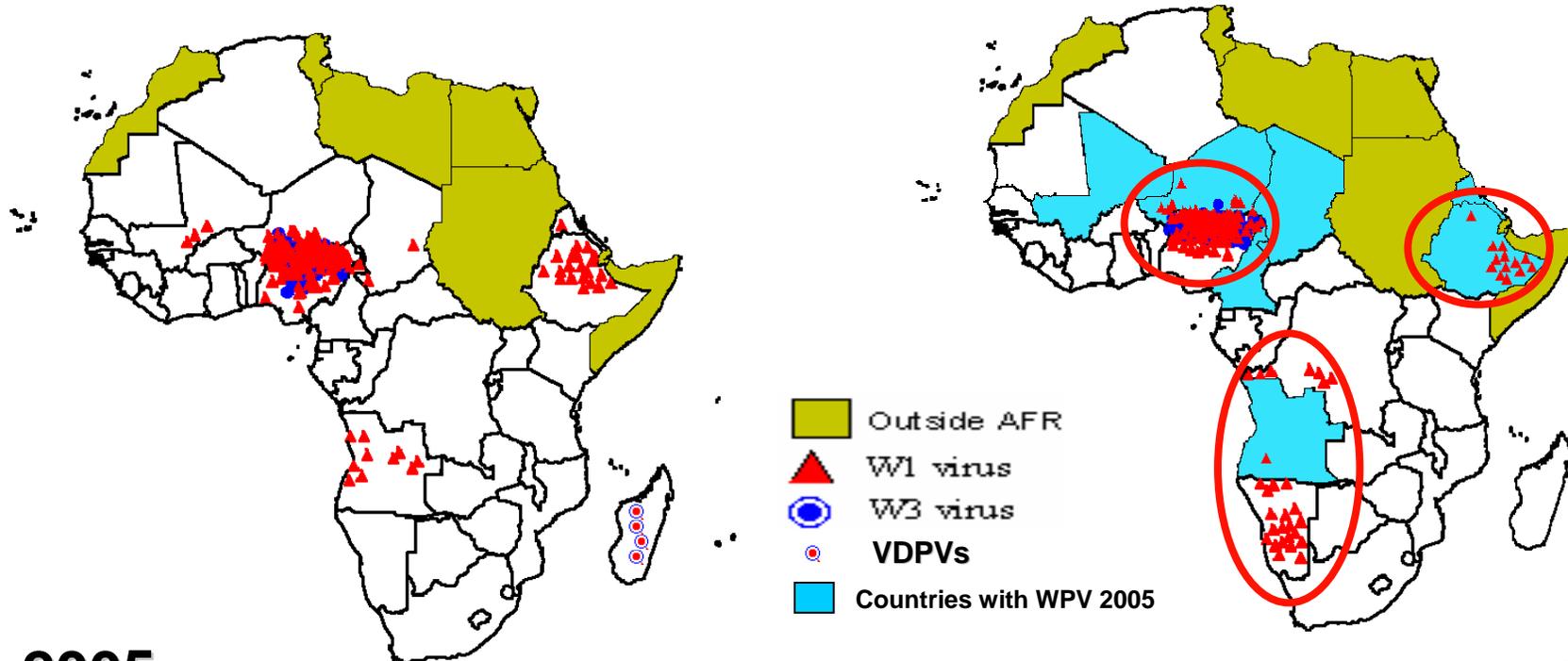
(as of 7 Aug)

**2000 – 2007:  
24 countries reported WPV**

-  Endemic
-  3 or more consecutive years: 2004 - 2007
-  Others



# Wild Polio Virus cases Jan-4<sup>th</sup> Oct 2005 & 2006



**2005**

Country	W1	W3	W1+W3	Total
ANGOLA	8	0	0	8
CAMEROON	1	0	0	1
CHAD	1	0	0	1
ERITREA	1	0	0	1
ETHIOPIA	17	0	0	17
MALI	3	0	0	3
NIGER	3	1	0	4
NIGERIA	289	198	2	489
<b>TOTAL</b>	<b>323</b>	<b>199</b>	<b>2</b>	<b>524</b>

**2006**

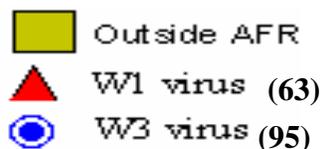
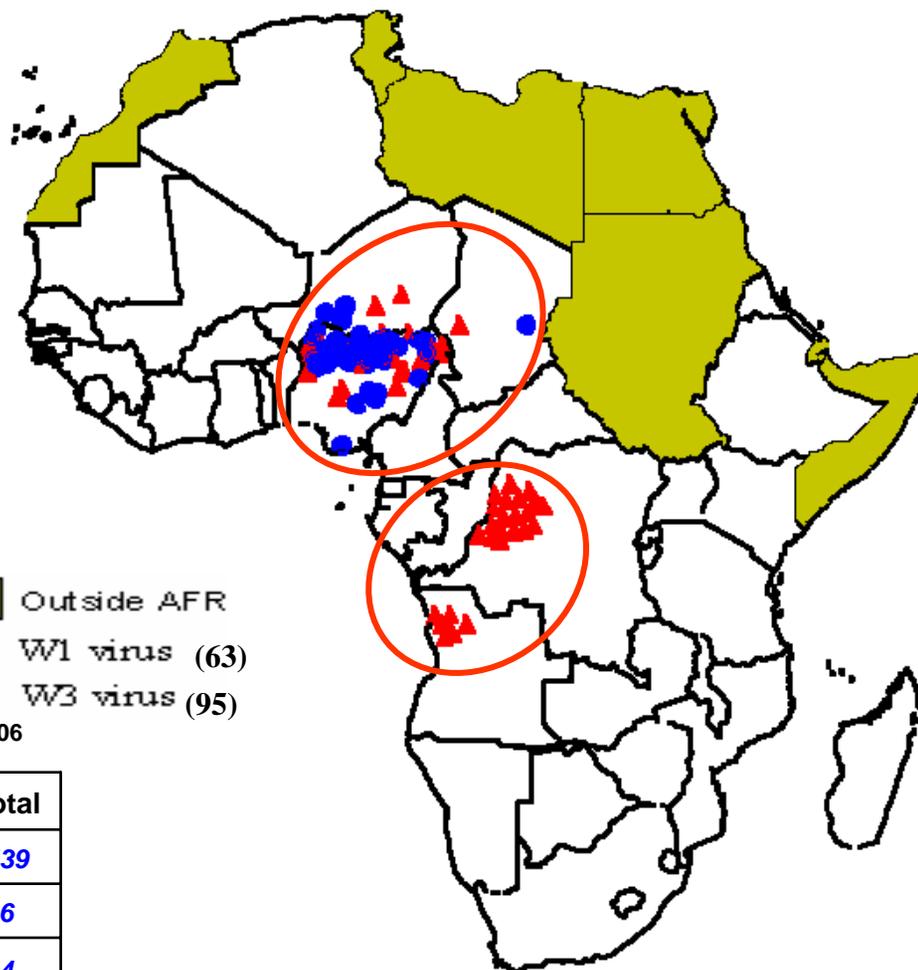
Country	W1	W3	W1+W3	Total
ANGOLA	1	0	0	1
ETHIOPIA	14	0	0	14
DRC	7	0	0	7
NIGER	8	2	0	10
NIGERIA	725	163	0	888
NAMIBIA	20	0	0	20
<b>TOTAL</b>	<b>775</b>	<b>165</b>	<b>0</b>	<b>940</b>

Updated as of 04 October 2006

# Regional Wild Poliovirus Distribution- AFRO, 2007

SUMMARY OF WPV CASES FOR 2007 BY COUNTRY, AS OF 11 July 2007

Country	W1	W3	W1+W3	Total
<i>NIGERIA</i>	31	91	0	122
<i>NIGER</i>	2	3	0	5
<i>DRC</i>	23	0	0	23
<i>ANGOLA</i>	6	0	0	6
<i>CHAD</i>	1	1	0	2
<b>TOTAL</b>	<b>63</b>	<b>95</b>	<b>0</b>	<b>158</b>



SUMMARY OF WPV CASES FOR 2006 BY COUNTRY, AS OF 12 July 2006

Country	W1	W3	W1+W3	Total
<i>NIGERIA</i>	484	55	0	539
<i>NIGER</i>	5	1	0	6
<i>DRC</i>	4	0	0	4
<i>NAMIBIA</i>	17	0	0	17
<i>ETHIOPIA</i>	6	0	0	6
<b>TOTAL</b>	<b>516</b>	<b>56</b>	<b>0</b>	<b>572</b>

Updated as of 13 July 2007



# Risks of Importation

- Persistent endemic WPV transmission in Nigeria
- Persistent sub-optimal population immunity in polio infected and high risk countries
- Gaps in surveillance resulting in delayed detection of WPV transmission
- Conflict areas (e.g. HoA, DRC, Angola)
- Countries with weak health systems / infrastructure.

# The challenges

- Interruption of WPV transmission in Nigeria.
- Importations of WPV into polio-free countries in the Region.
- Interruption of WPV transmission in the Horn of Africa.
- Political commitment to finish the job.
- Bridging the funding gap (resources to secure & sustain eradication)

# The way forward

- Interrupt transmission in Nigeria by providing adequate support
- Achieve and sustain certification level surveillance at sub-national level
- Countries to undertake risk analysis for importations and update outbreak response plans
- Enhance population immunity - (routine and SIAs, RED)
- Respond adequately and timely to any outbreaks due to importation
- Mobilize adequate resources

THANK YOU