

野生株ポリオウイルス  
または  
伝播型ワクチン由来ポリオウイルス  
が検出された際の対応の概要

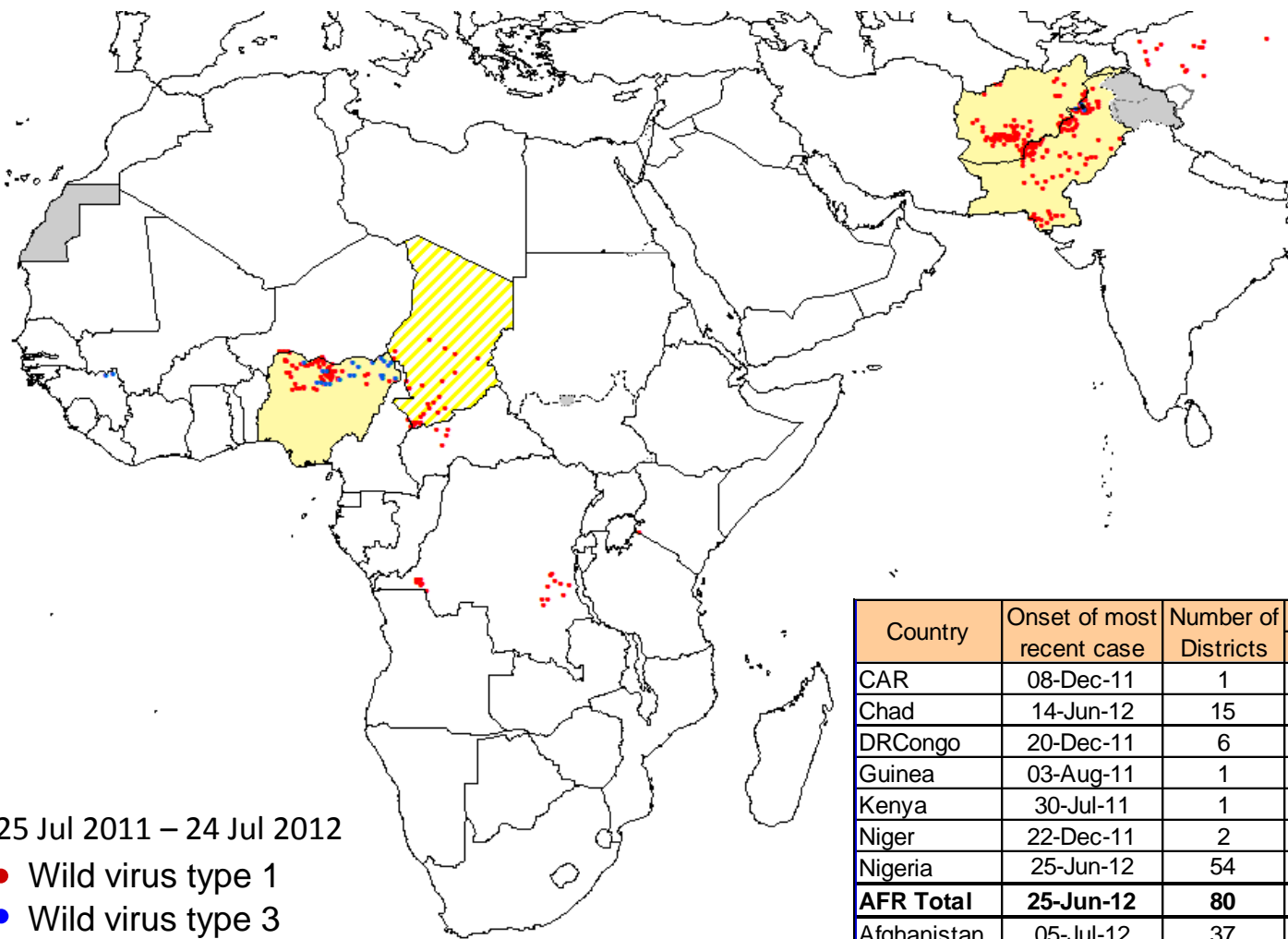
コメント

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2012年8月

1. アウトブレイクはいつ起こっても不思議でない。
2. オーストラリア、中国、ベトナムでの例を解析し、対応のポイントを把握しておくこと。
3. 普段からワクチン接種率を把握しておくこと。
4. 最初のウイルス検出が大切であること。検査の仕組みを徹底させ、シミュレーションをしておく。
5. 備蓄ワクチンは現在日本ポリオの生ワクチンしかない。将来は単味ワクチンの準備もしておくこと。
6. 備蓄ワクチンが生ワクチンか、不活化ワクチンかそれぞれのメリット、デメリットを検討しておくこと。

# Wild Poliovirus<sup>1</sup>, Previous 12 Months\*



\*25 Jul 2011 – 24 Jul 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	W1W3	
CAR	08-Dec-11	1	4			4
Chad	14-Jun-12	15	29			29
DRCongo	20-Dec-11	6	18			18
Guinea	03-Aug-11	1		2		2
Kenya	30-Jul-11	1	1			1
Niger	22-Dec-11	2	3			3
Nigeria	25-Jun-12	54	72	21		93
<b>AFR Total</b>	<b>25-Jun-12</b>	<b>80</b>	<b>127</b>	<b>23</b>		<b>150</b>
Afghanistan	05-Jul-12	37	83			83
Pakistan	22-Jun-12	48	147	3	1	151
<b>EMR Total</b>	<b>05-Jul-12</b>	<b>85</b>	<b>230</b>	<b>3</b>	<b>1</b>	<b>234</b>
China	09-Oct-11	4	15			15
<b>WPR Total</b>	<b>09-Oct-11</b>	<b>4</b>	<b>15</b>			<b>15</b>
<b>Total</b>	<b>05-Jul-12</b>	<b>169</b>	<b>372</b>	<b>26</b>	<b>1</b>	<b>399</b>

<sup>1</sup>Excludes viruses detected from environmental surveillance and vaccine derived polioviruses.

Data in WHO HQ as of 24 Jul 2012

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

Country classification	Total 2011		01 Jan - 24 Jul <sup>1</sup>						Date of most recent case
			2011			2012			
	W1	W3	W1	W3	W1W3	W1	W3	W1W3	
<b>Endemic</b>									
Afghanistan	80		11			15			05-Jul-12
Nigeria	47	15	16	8		44	13		25-Jun-12
Pakistan	196	2	59	1		20	2	1	22-Jun-12
India*	1		1						13-Jan-11
<b>Total</b>	<b>324</b>	<b>17</b>	<b>87</b>	<b>9</b>	<b>0</b>	<b>79</b>	<b>15</b>	<b>1</b>	
<b>Re-established transmission</b>									
Chad	129	3	86	3		5			14-Jun-12
DR Congo	93		71						20-Dec-11
Angola	5		4						07-Jul-11
<b>Total</b>	<b>227</b>	<b>3</b>	<b>161</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	
<b>Outbreak</b>									
Niger	4	1		1					22-Dec-11
CAR	4								08-Dec-11
China	21								09-Oct-11
Guinea		3		1					03-Aug-11
Kenya	1								30-Jul-11
Côte d'Ivoire		36		18					24-Jul-11
Mali		7		4					23-Jun-11
Congo	1		1						22-Jan-11
Gabon	1		1						15-Jan-11
<b>Total</b>	<b>32</b>	<b>47</b>	<b>2</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Global total</b>	<b>583</b>	<b>67</b>	<b>250</b>	<b>36</b>	<b>0</b>	<b>84</b>	<b>15</b>	<b>1</b>	

<sup>1</sup>Data in WHO as of 26 Jul 2011 for 2011 data and 24 Jul 2012 for 2012 data.

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

# VDPVs detected in China 2010 - 2012\*



## LEGEND:

● aVDPV (2010) – 7 cases (Chongqing, Shanghai, Shanxi [2], Tianjin, Tibet, Yunnan)

● aVDPV (2011) – 5 cases (Chongqing, Fujian, Gansu, Shandong, Xinjiang)

● iVDPV (2011) – 3 cases (Guizhou, Ningxia, Shanghai)

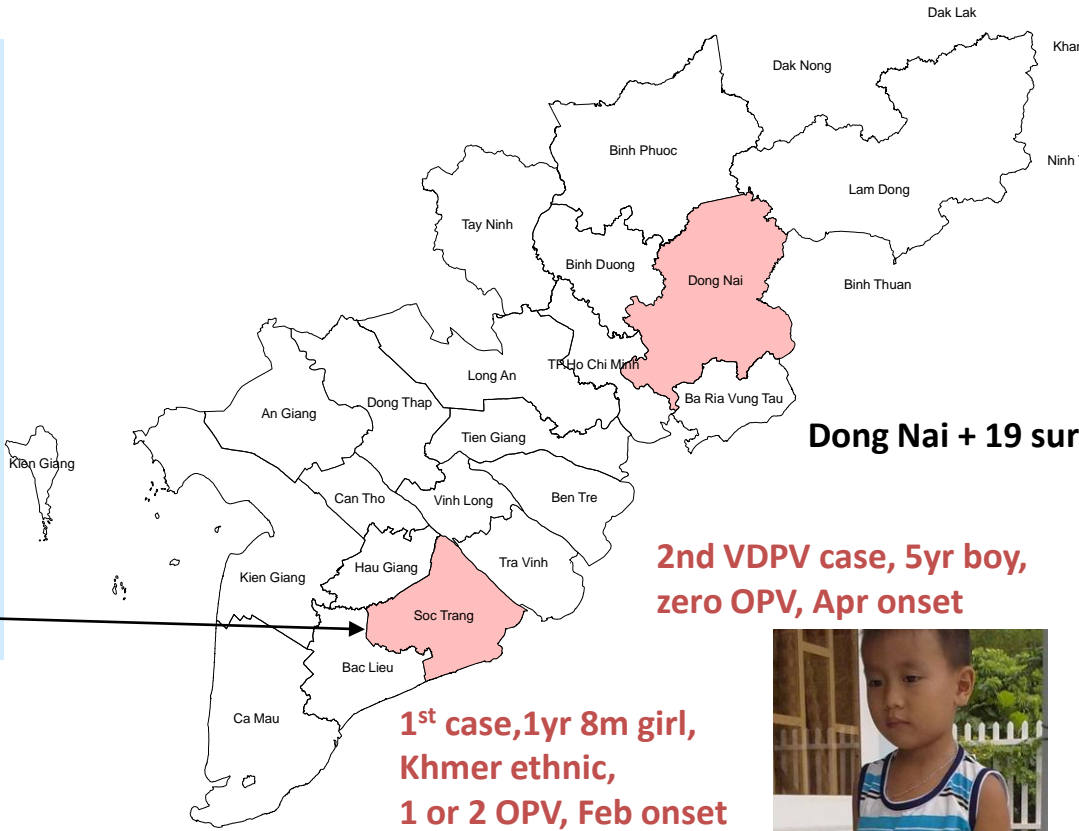
● cVDPV (2011) – 3 cases (Sichuan)

● VDPV (2012) – 4 cases (Guizhou, Sichuan [2], Tianjin)

Note: Includes AFP cases, contacts, non-AFP cases, and healthy children

\* Data as of 4 May 2012

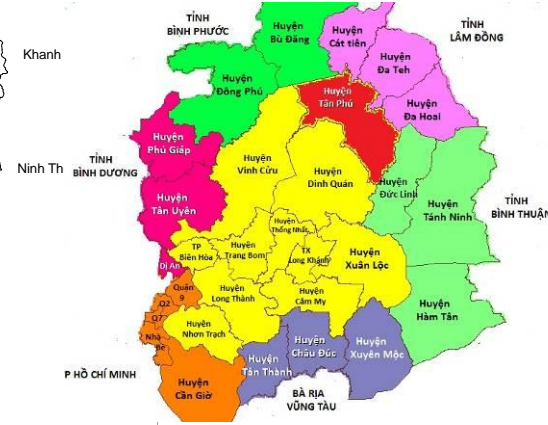
# Two type 2 VDPVs from Southern Vietnam in 2012



**Dong Nai + 19 surrounding districts**

**2nd VDPV case, 5yr boy,  
zero OPV, Apr onset**

**1<sup>st</sup> case, 1yr 8m girl,  
Khmer ethnic,  
1 or 2 OPV, Feb onset**



**ĐỂ CHỦ ĐỘNG PHÒNG BỆNH BẠI LIỆT  
TRẺ EM DƯỚI 5 TUỔI CẦN ĐƯỢC  
UỐNG BỔ SUNG 2 LIỀU VẮC XIN BẠI LIỆT  
TRONG CHIẾN DỊCH**

**HÃY ĐƯA TRẺ DƯỚI 5 TUỔI  
ĐI UỐNG 2 LIỀU VẮC XIN BẠI LIỆT**

CHƯƠNG TRÌNH  
TCMR QUỐC GIA

GAVI

**Soc Trang + 12 surrounding districts**

