



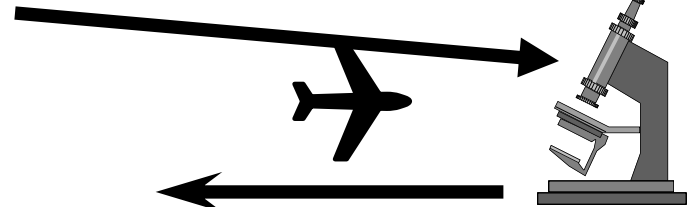
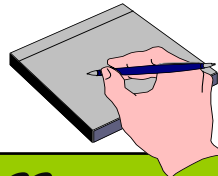
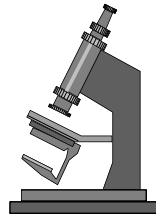
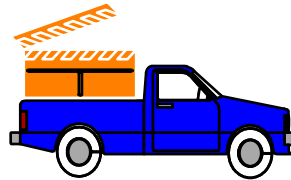
World Health  
Organization



*Republic of Sudan*

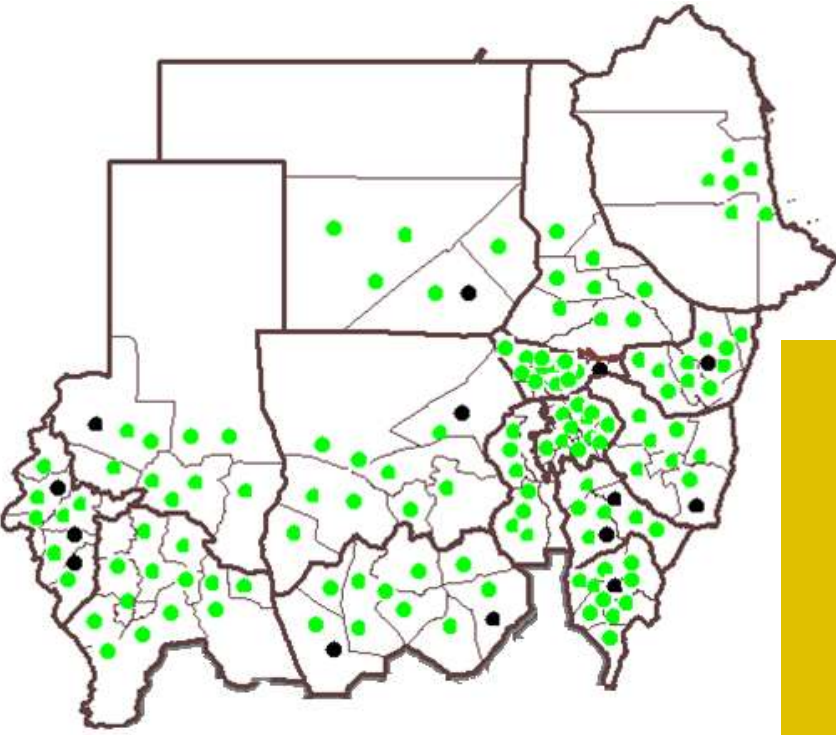


**Weekly AFP surveillance report  
week 24  
Ending on 17 June 2012**

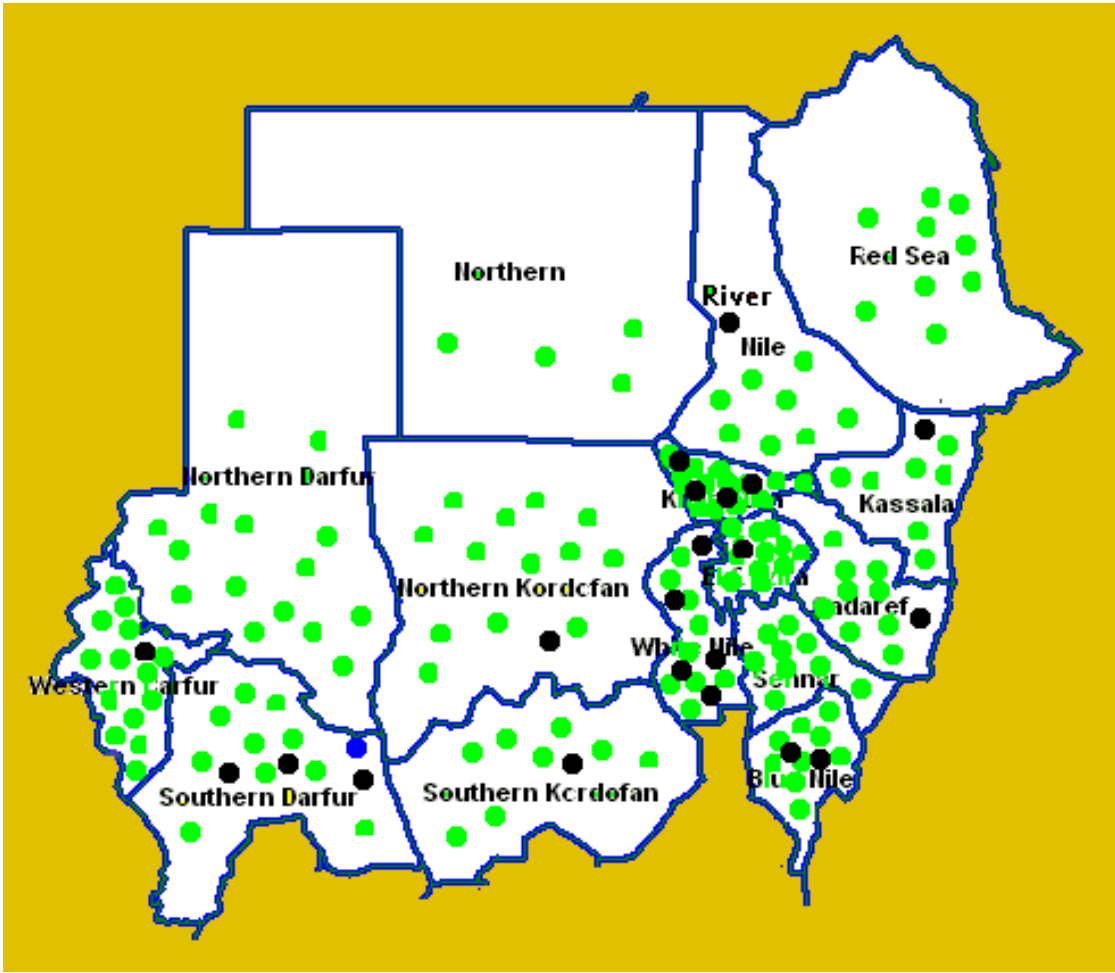


*AFP Surveillance central unit*

**Map 1. Distribution of AFP cases by classification, Sudan, 2011\***



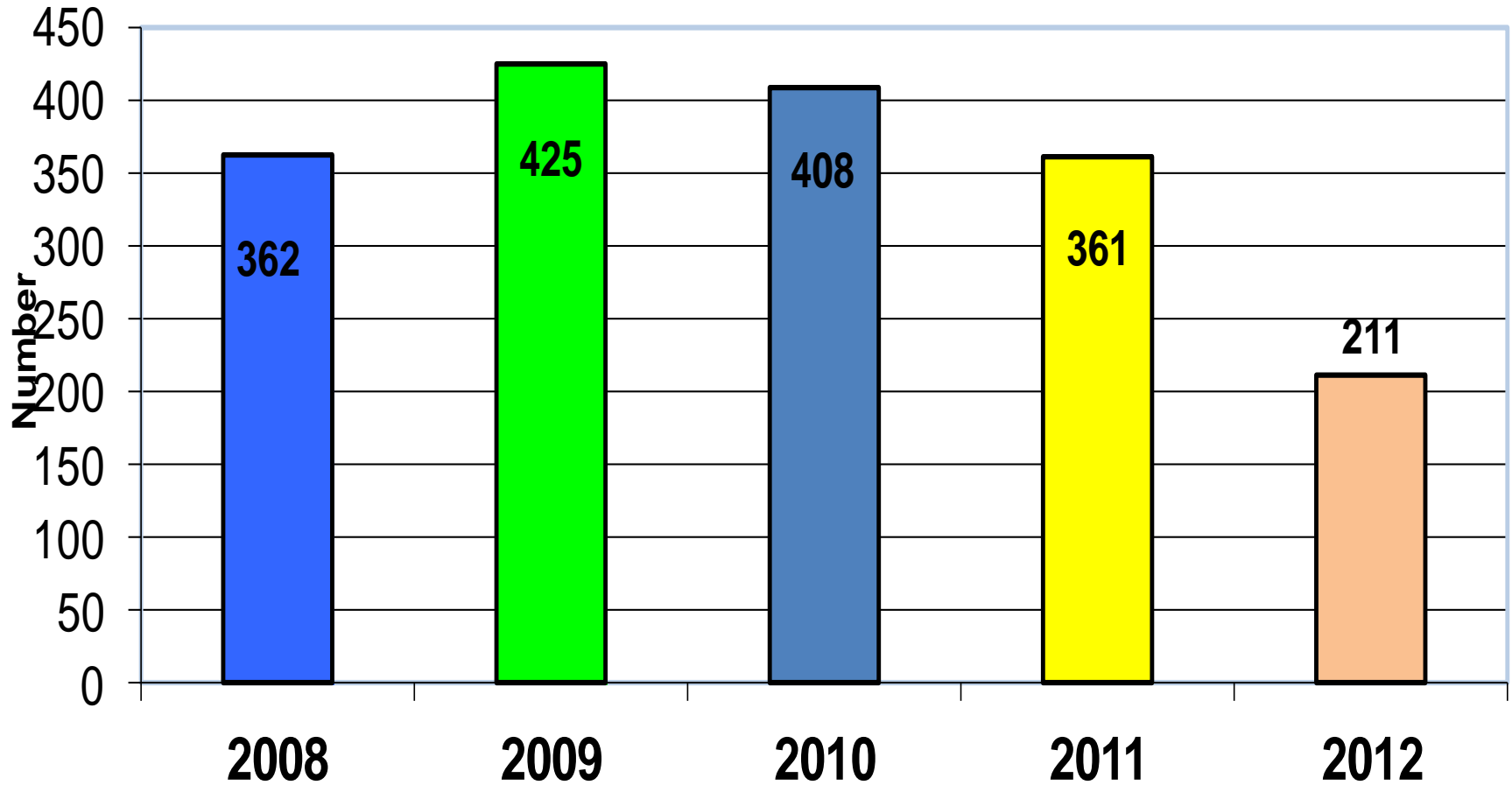
**Map 2. Distribution of AFP cases by classification, Sudan, 2012\***



- Non-polio AFP
- Pending classification
- VDPV

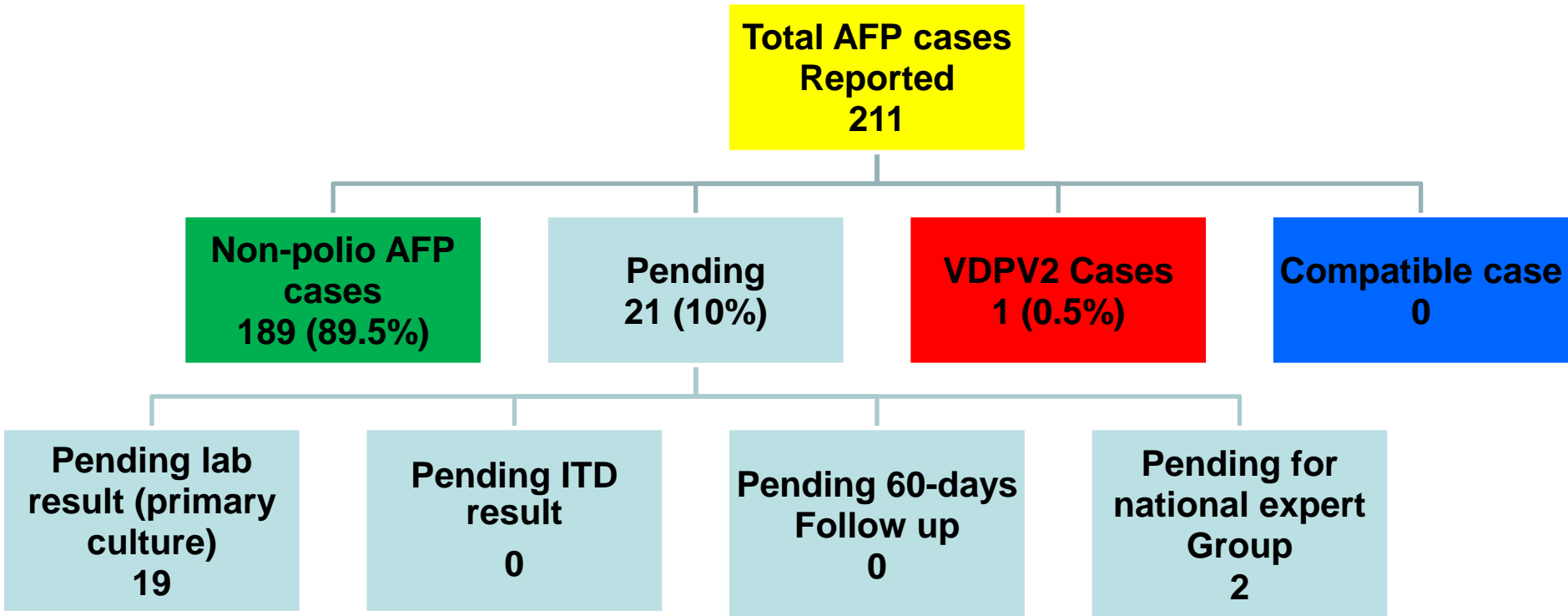
**\*Up to week 24**

**Fig. 1: Total AFP cases  
Sudan, 2008-2012\***



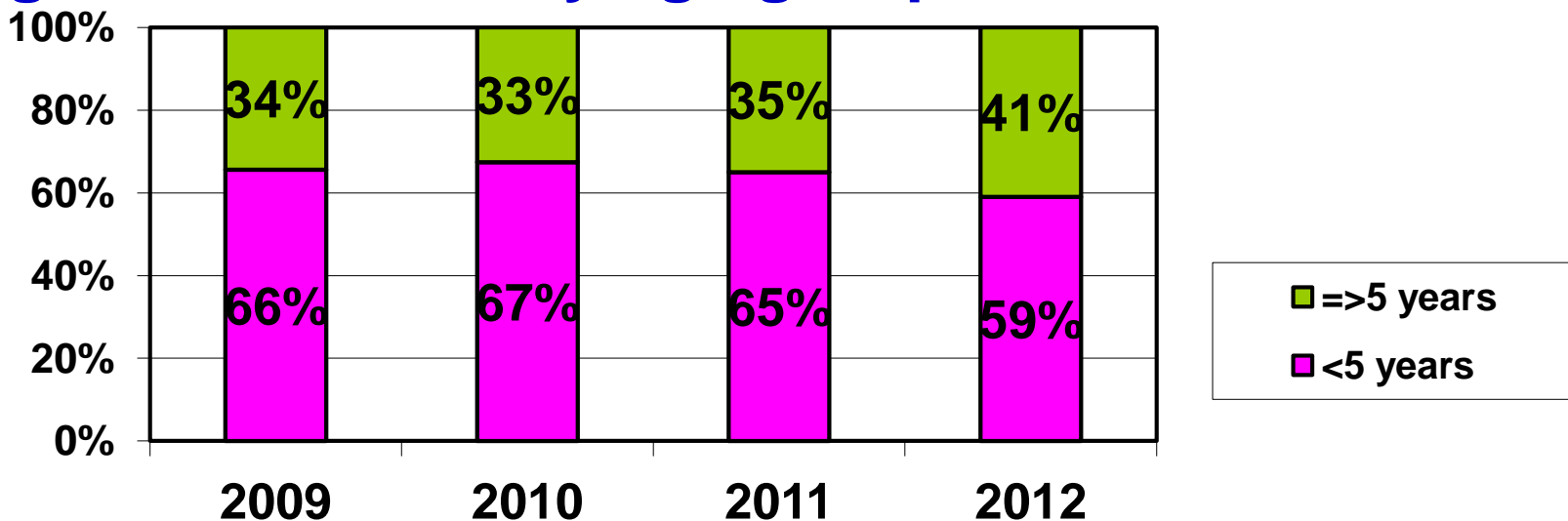
**\*Up to week 24**

**Fig. 2: Total AFP cases by classification, Sudan, 2012\***



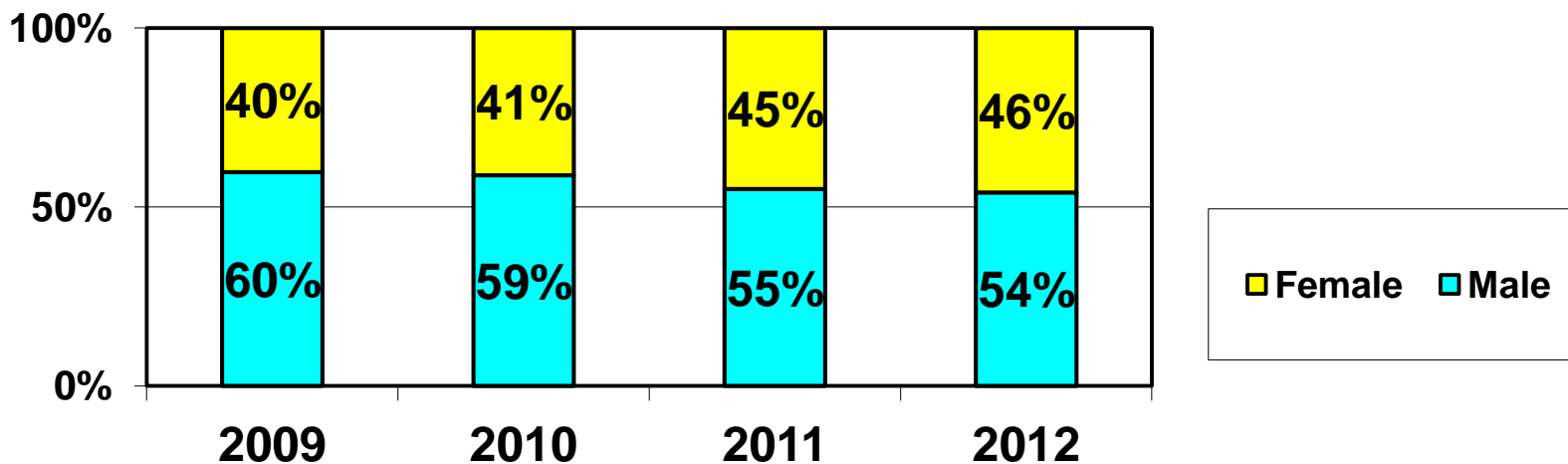
**\*Up to week 24**

### Fig. 3: AFP cases by age group, 2009 – 2012\*



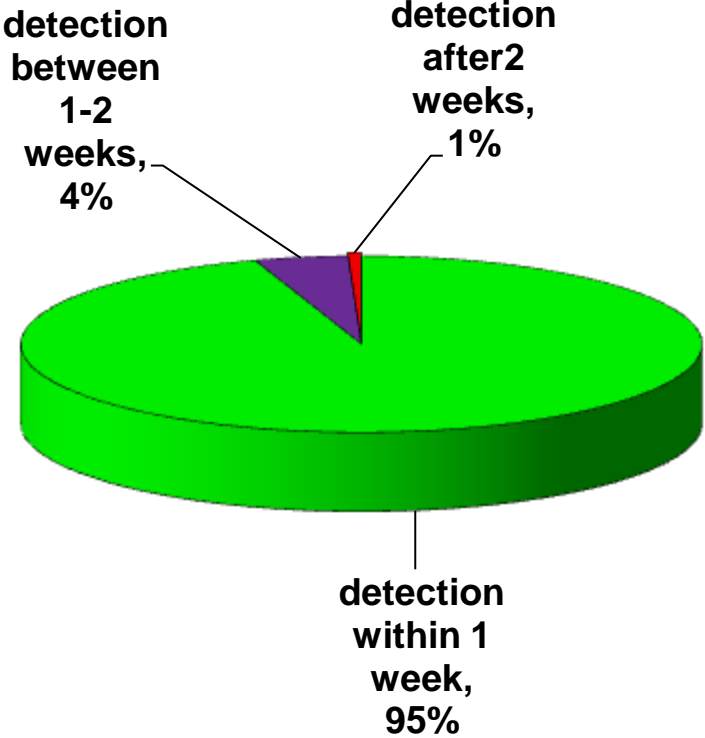
\*Up to week 24

### Fig. 4: AFP cases by sex 2009 – 2012\*



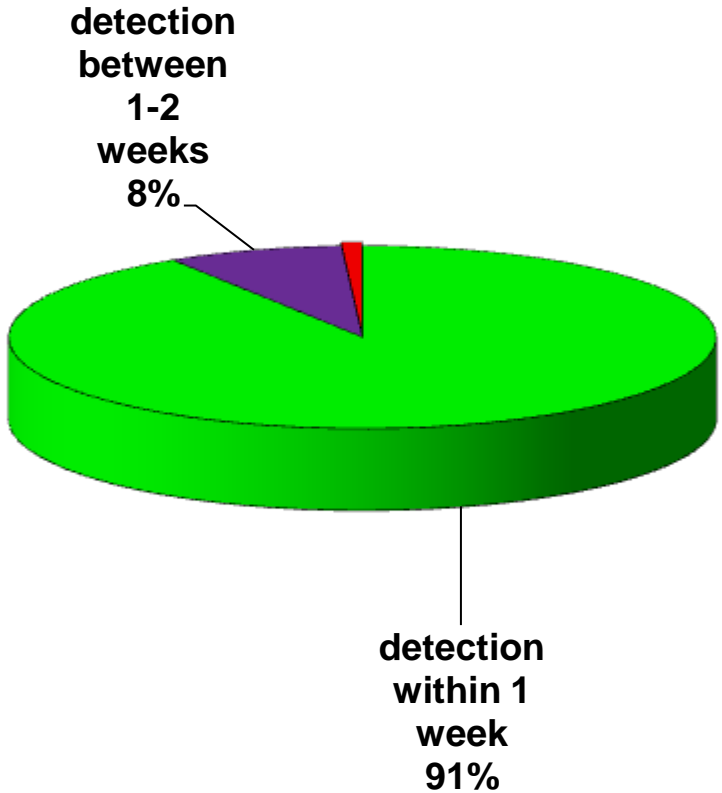
**Fig. 5: Percent distribution of AFP cases by time of detection, 2011\***

**N = 158 AFP cases**



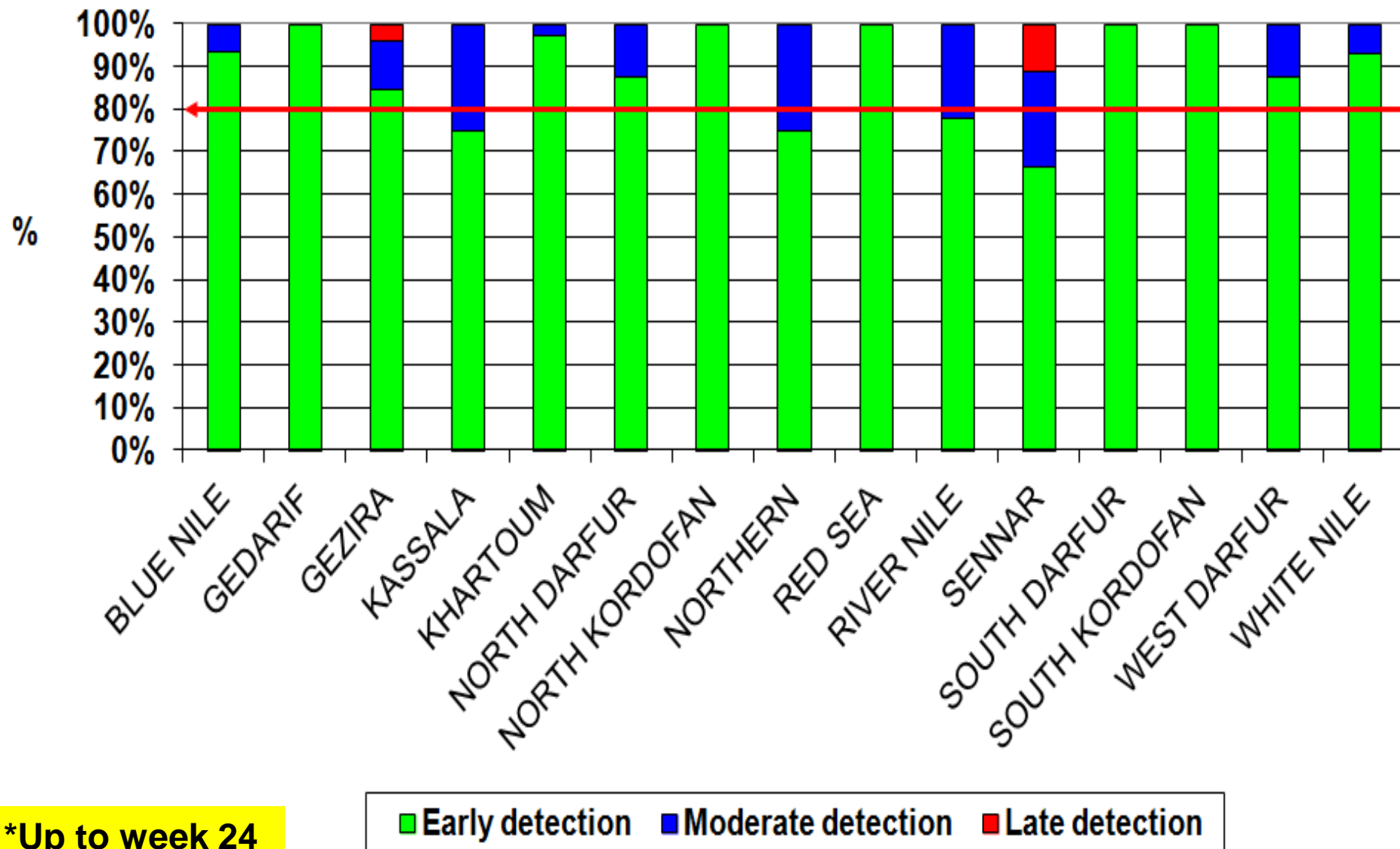
**Fig. 6: Percent distribution of AFP cases by time of detection, 2012\***

**N = 211 AFP cases**



**\*Up to week 24**

**Fig. 7: Percent distribution of AFP cases according to the timeliness of detection by states, 2012\***

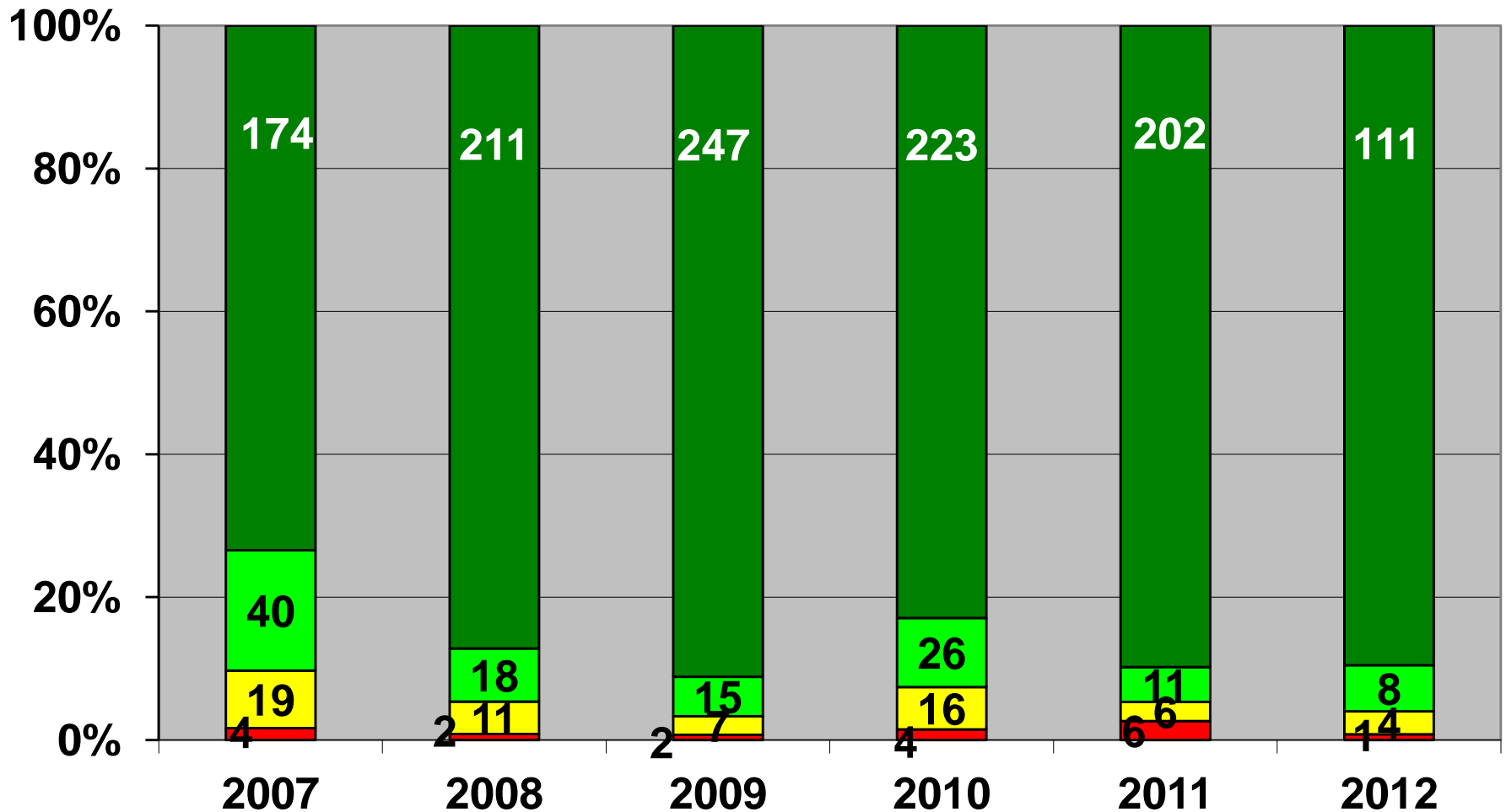


# Table 1. Major AFP surveillance performance indicators, up to week 24, 2012

State	U 15 yrs population	Total reported AFP cases	Non-polio AFP cases	Pending classification	VDPV	Compatible cases	% Adequate stools	Annualized AFP rate	% NPEV
B. Nile	551,519	15	13	2	0	0	93%	5.9	13%
Gedarif	887,810	10	9	1	0	0	90%	2.4	11%
Gezira	1,974,675	26	25	1	0	0	96%	2.9	24%
Kasala	857,183	8	7	1	0	0	100%	2.0	13%
Khartoum	2,489,151	37	33	4	0	0	100%	3.2	11%
N.Darf	890,317	16	16	0	0	0	100%	3.9	13%
N.Kord	1,281,448	15	14	1	0	0	93%	2.5	13%
Northern	271,479	4	4	0	0	0	75%	3.2	25%
Red Sea	331,008	9	9	0	0	0	100%	5.9	11%
River Nile	470,091	9	8	1	0	0	100%	4.1	11%
Sennar	735,588	9	9	0	0	0	89%	2.7	22%
S.Darfur	1,806,686	14	10	3	1	0	93%	1.7	8%
S. Kord	974,048	9	8	1	0	0	100%	2.0	0%
W.Darfur	971,638	16	15	1	0	0	100%	3.6	25%
W. Nile	855,181	14	9	5	0	0	100%	3.5	14%
<b>Total</b>	<b>15,347,822</b>	<b>211</b>	<b>189</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>97%</b>	<b>3.0</b>	<b>16%</b>



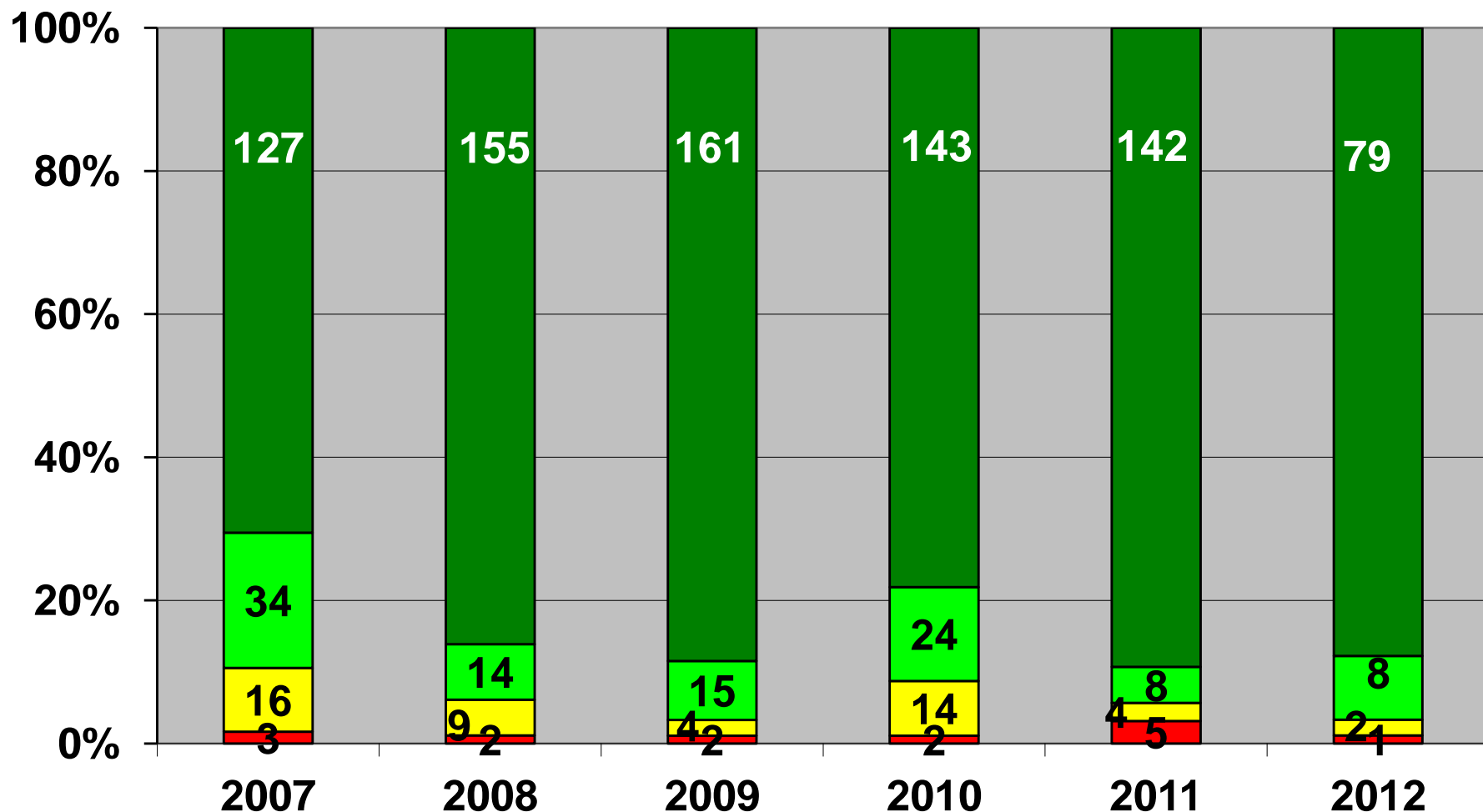
**Fig. 8: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012\***



■ 0 OPV doses    ■ '1-3 OPV doses    ■ '4-6 OPV doses    ■ 7+ OPV doses

\*Up to week 24

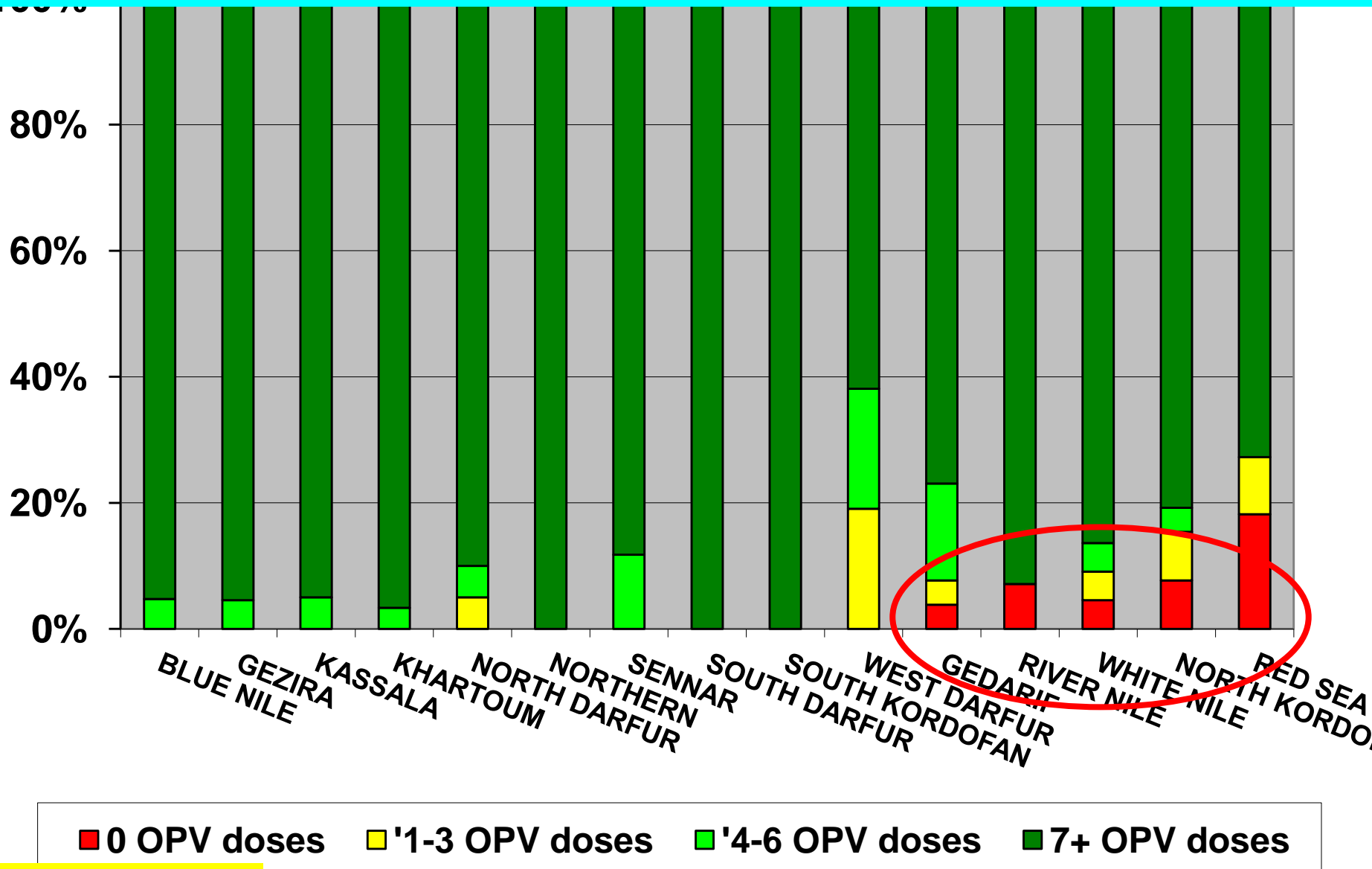
**Fig. 9: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012\***



■ 0 OPV doses   
 ■ '1-3 OPV doses   
 ■ '4-6 OPV doses   
 ■ 7+ OPV doses

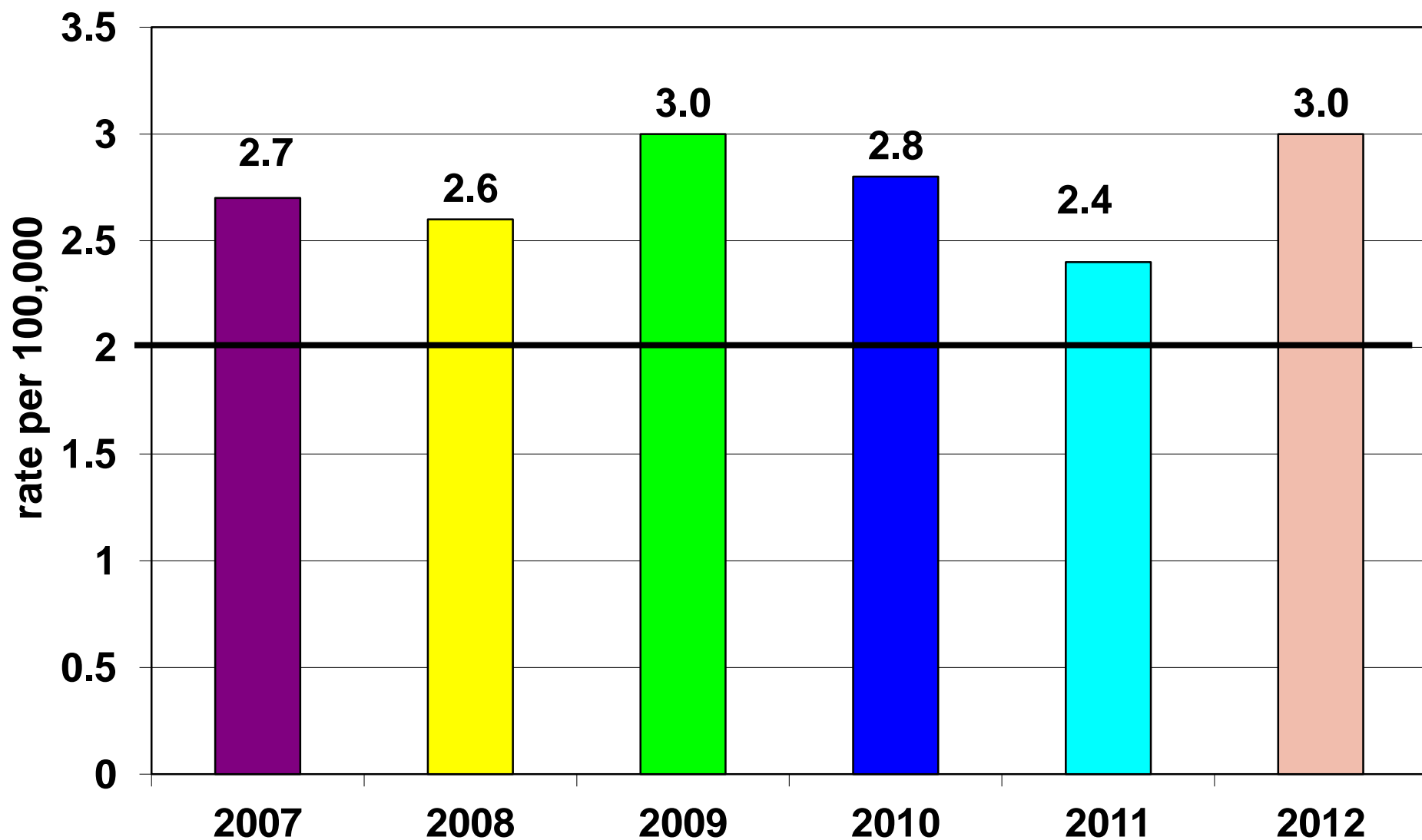
**\*Up to week 24**

**Fig. 10: Percent distribution of AFP cases 6-59 months by number of OPV doses and states, 2011-2012\***



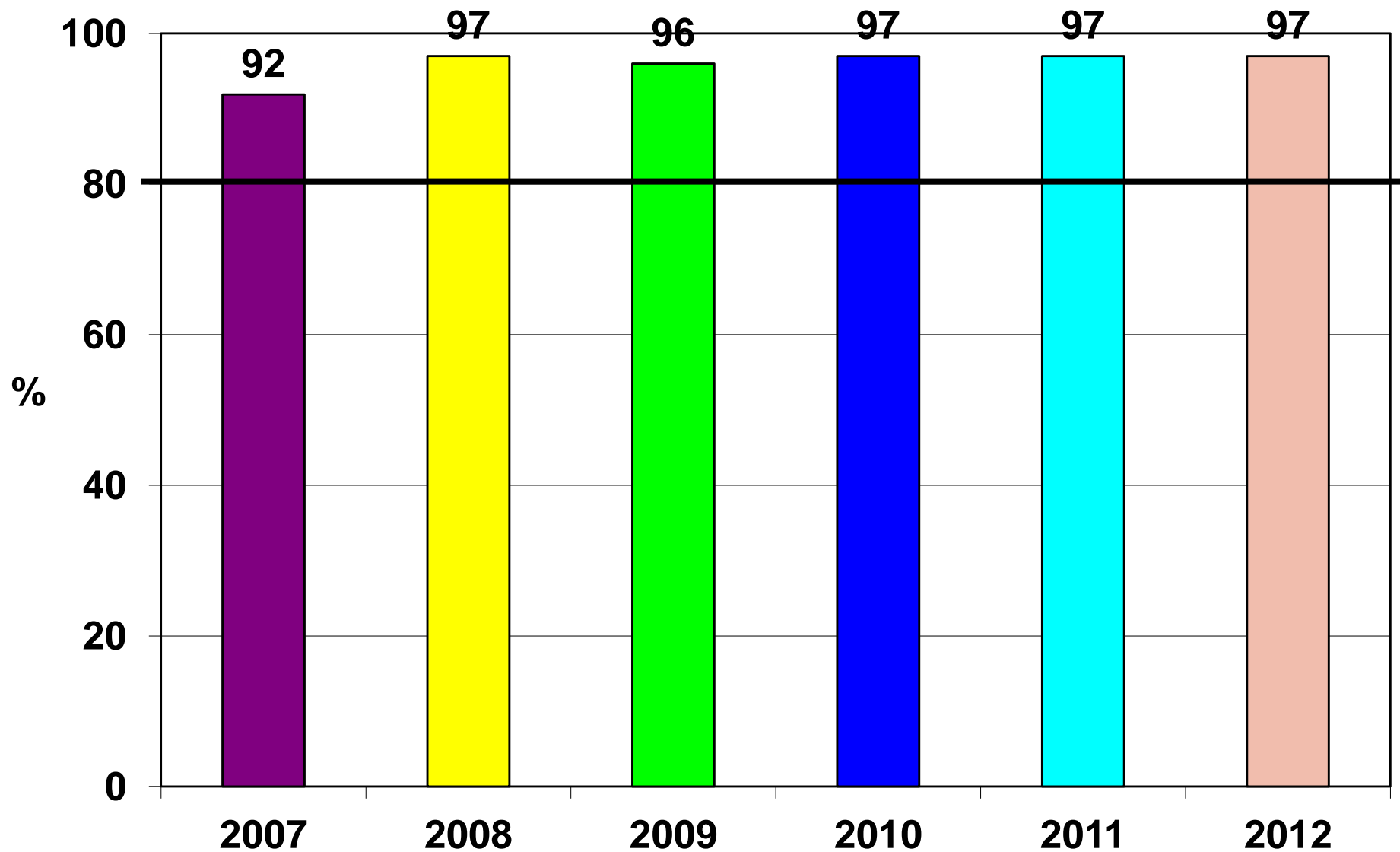
\*Up to week 24

**Fig. 11: Non-Polio AFP rate per 100,000 children under 15 years of age, 2007 – 2012\***



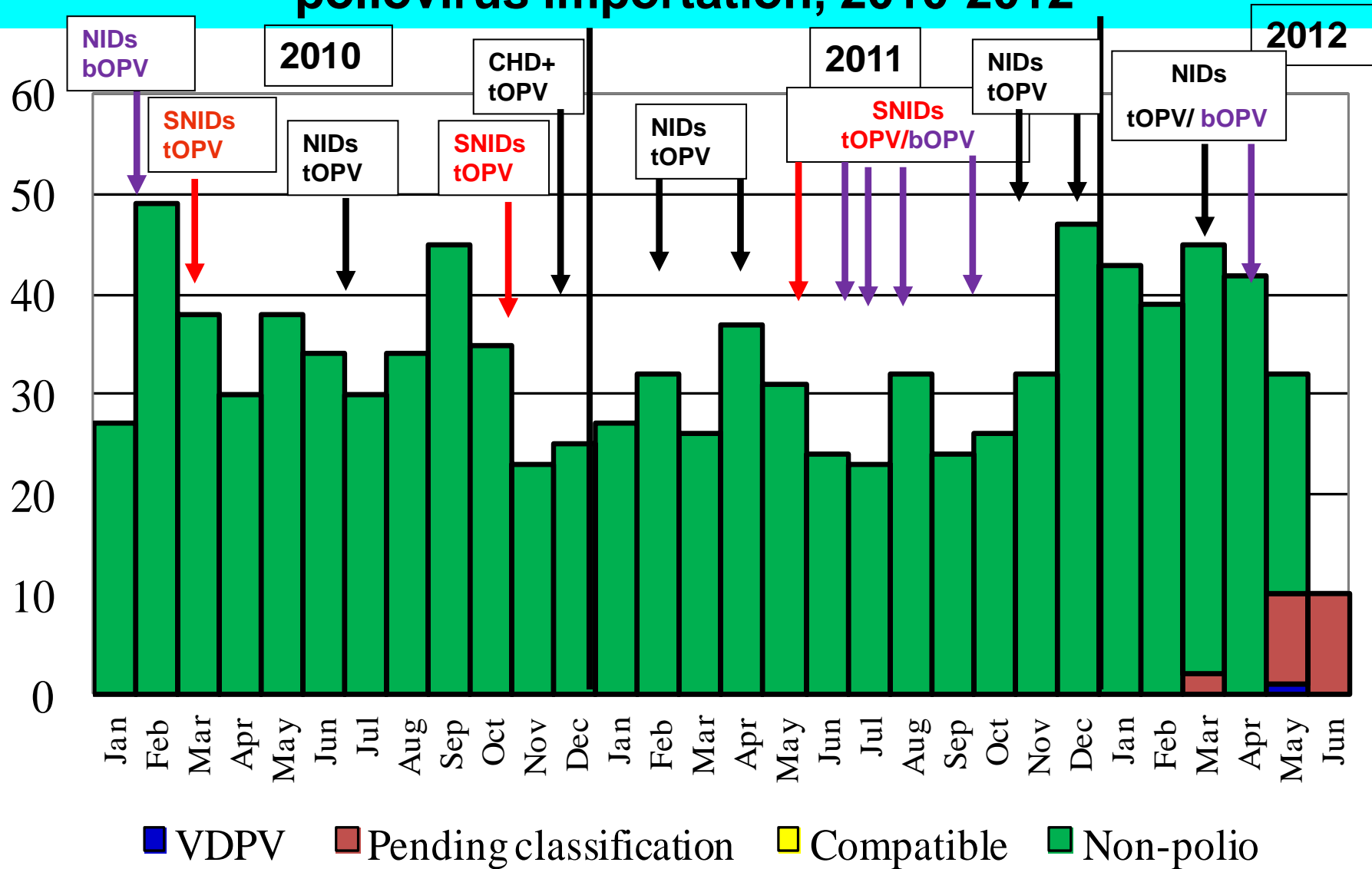
**\*Up to week 24**

**Fig. 12: Adequate stool collection rate, 2007 – 2012\***



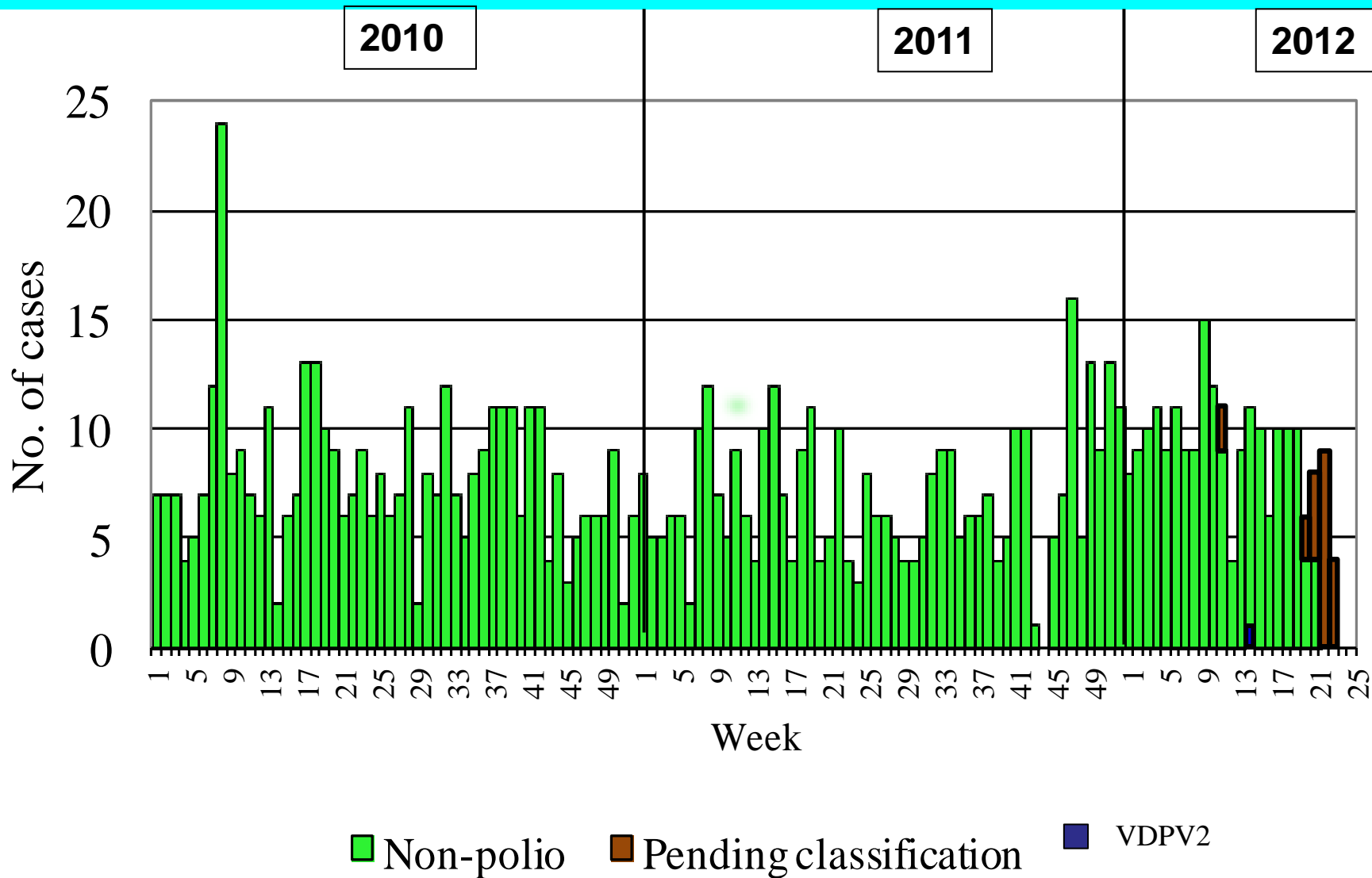
**\*Up to week 24**

# Fig 13. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012\*



\*Up to week 24

**Fig 14. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012\***

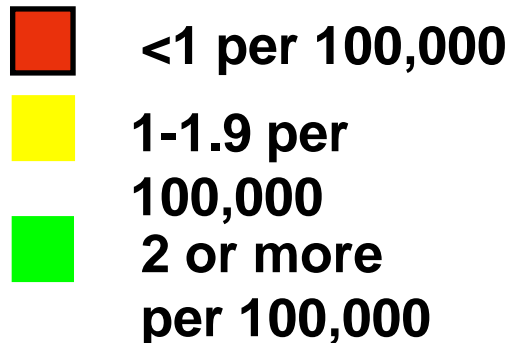


\*Up to week 24

**Map 3. Non-polio AFP rate by state, 2011 up to W24**



**Map 4. Annualized Non-polio AFP rate by state, 2012 up to W24**





**Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W24**



**Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W24**



■ <60%     
 ■ 60% - 79%  
■ 80% - 100%

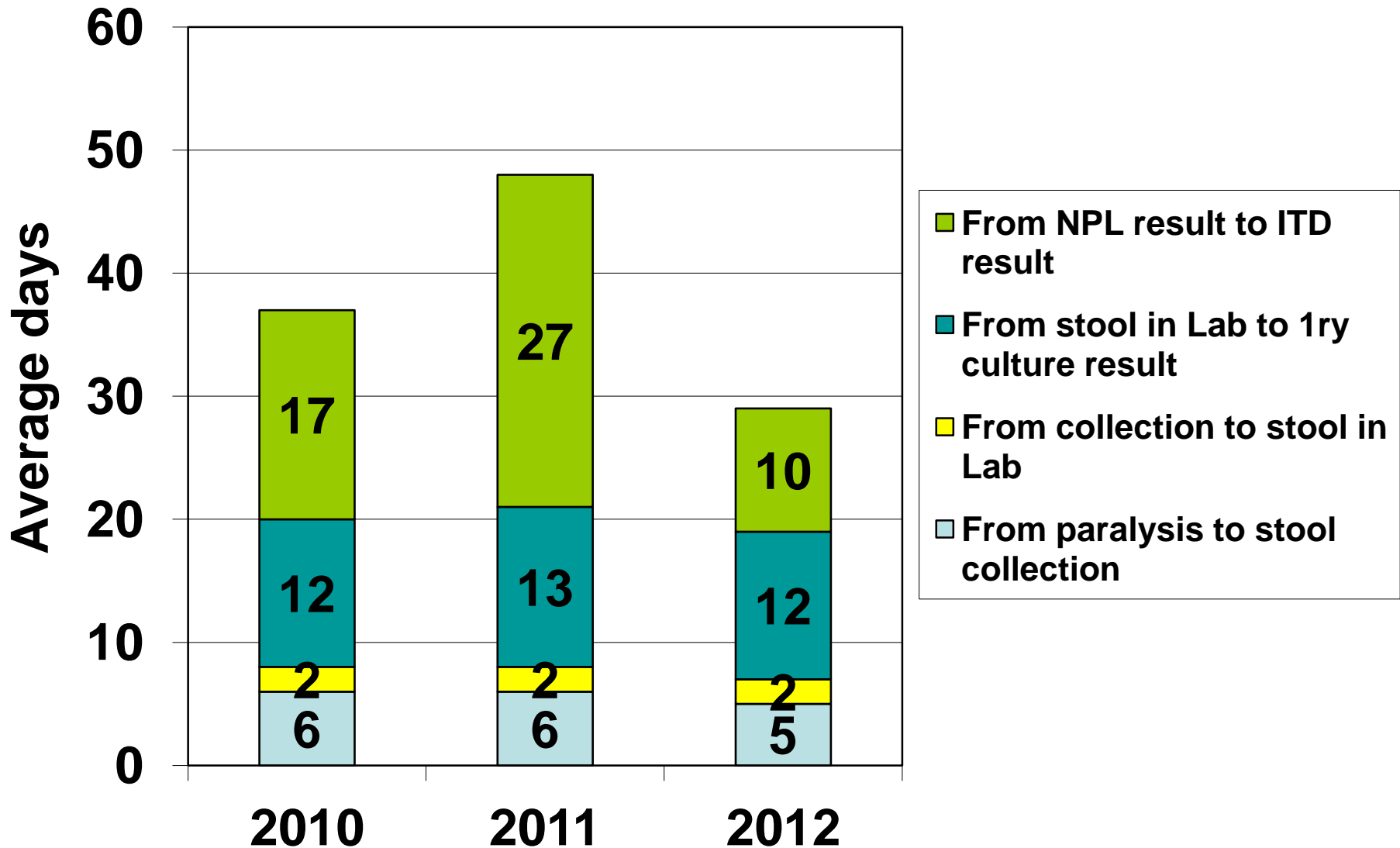
**Table 2. National polio lab performance indicators 2010-2012 up to week 24**

<b>Indicator</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>AFP cases with samples tested in NPL</b>	<b>195</b>	<b>157</b>	<b>210</b>
<b>Cases with VDPV2</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Cases with non-polio enterovirus</b>	<b>10%</b>	<b>14%</b>	<b>16%</b>
<b>SL viruses No. &amp; (%) from AFP cases</b>	<b>1(0.5%)</b>	<b>4(2.7%)</b>	<b>3(1.6%)</b>
<b>Median days from the time of samples received in the lab to primary culture report or L20B result</b>	<b>12 days</b>	<b>13 days</b>	<b>12days</b>
<b>Number of samples from the AFP contacts tested in the NPL</b>	<b>91</b>	<b>95</b>	<b>141</b>
<b>Contacts with non-polio enterovirus</b>	<b>8.5%</b>	<b>8%</b>	<b>13%</b>
<b>Sabin like viruses No. &amp; (%) from contacts</b>	<b>0</b>	<b>5(5.7%)</b>	<b>1(0.8%)</b>
<b>Wild polioviruses from contacts</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Table 3. Polio lab performance 2010 - 2012

Week of onset	Total AFP Cases with samples	AFP Cases under process	L20B +ve pending ITD	Negative cases	NPEV positive	% NPEV	Result reported within 14 days	Arrival within 3 days of being collected from the 2 <sup>nd</sup> sample	Arrival within 3 days of being sent from the 2 <sup>nd</sup> sample
2010 up to week 24	195	10	0	167	18	10%	89%	88%	99%
2011 up to week 24	157	10	2	124	21	14%	81%	82%	100%
2012 up to week 24	210	19	0	161	30	16%	97%	85%	99%

# Fig. 16: AFP Specimens' median timeliness NPL 2010-2012\*



\*Up to week 24