



World Health Organization

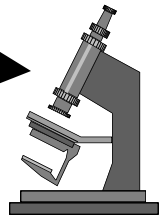
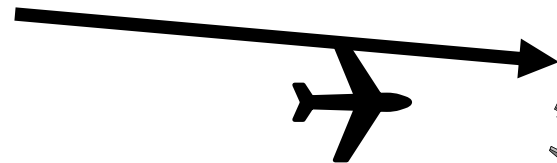
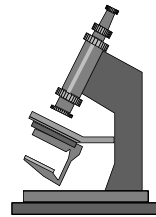
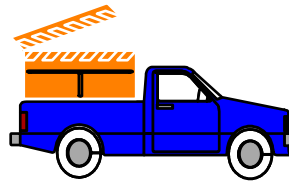


*Republic of Sudan*



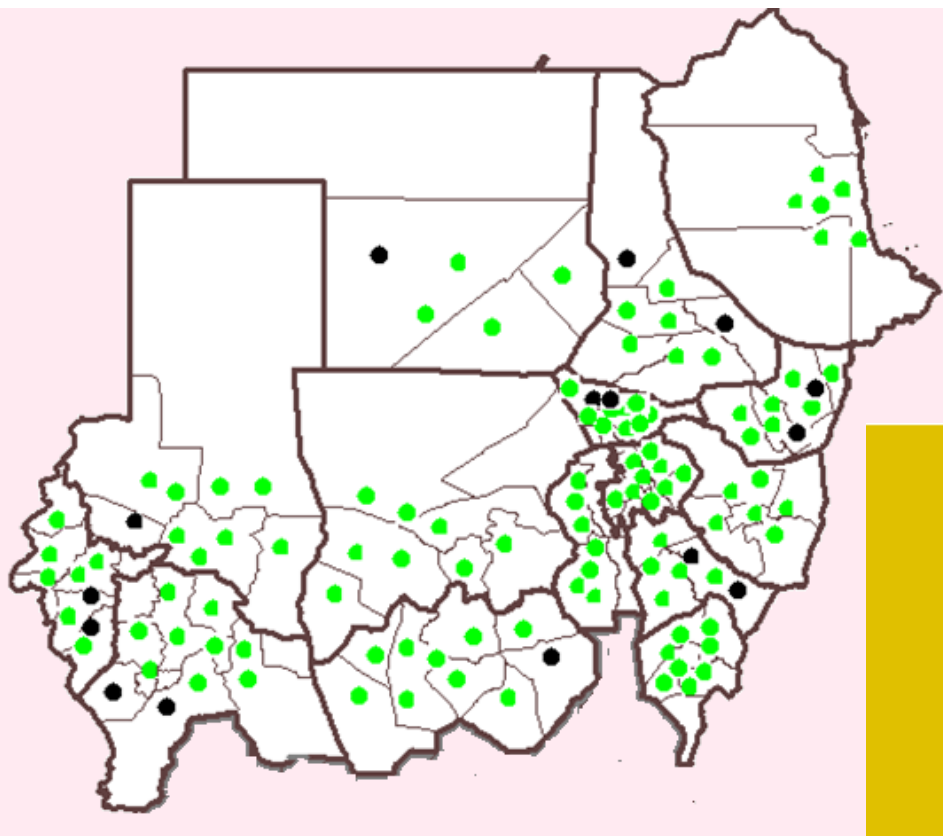
**Weekly AFP surveillance report  
week 20**

**Ending on 20 May 2012**

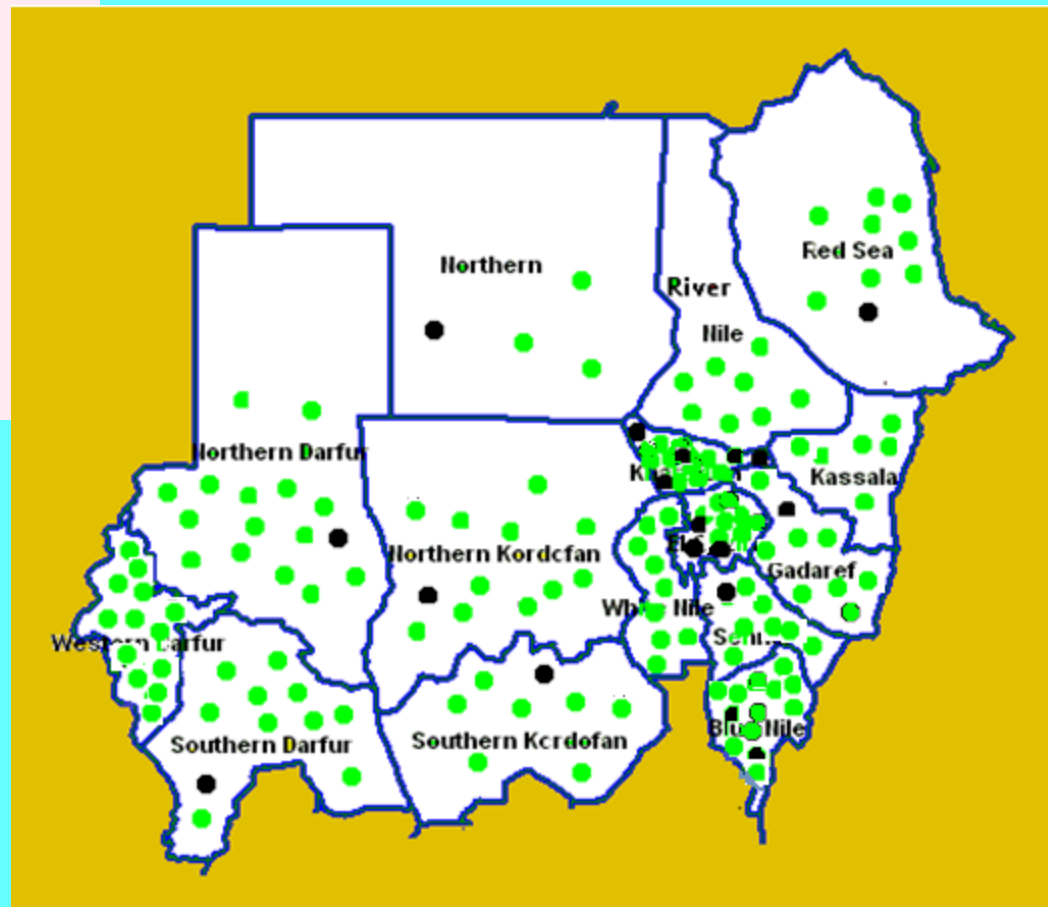


*AFP Surveillance central unit*

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



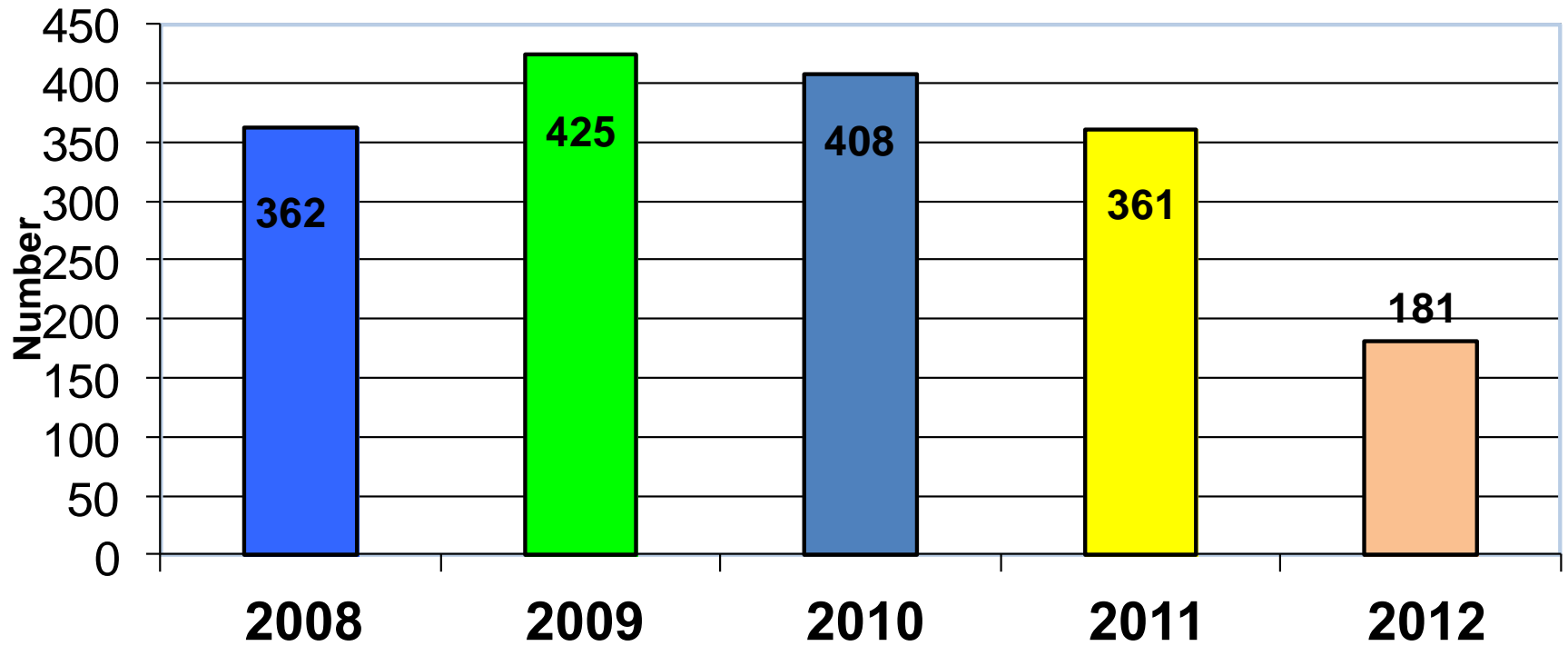
**Map 2. Distribution of AFP cases by classification, Sudan, 2012\***



● Non-polio AFP  
● Pending classification

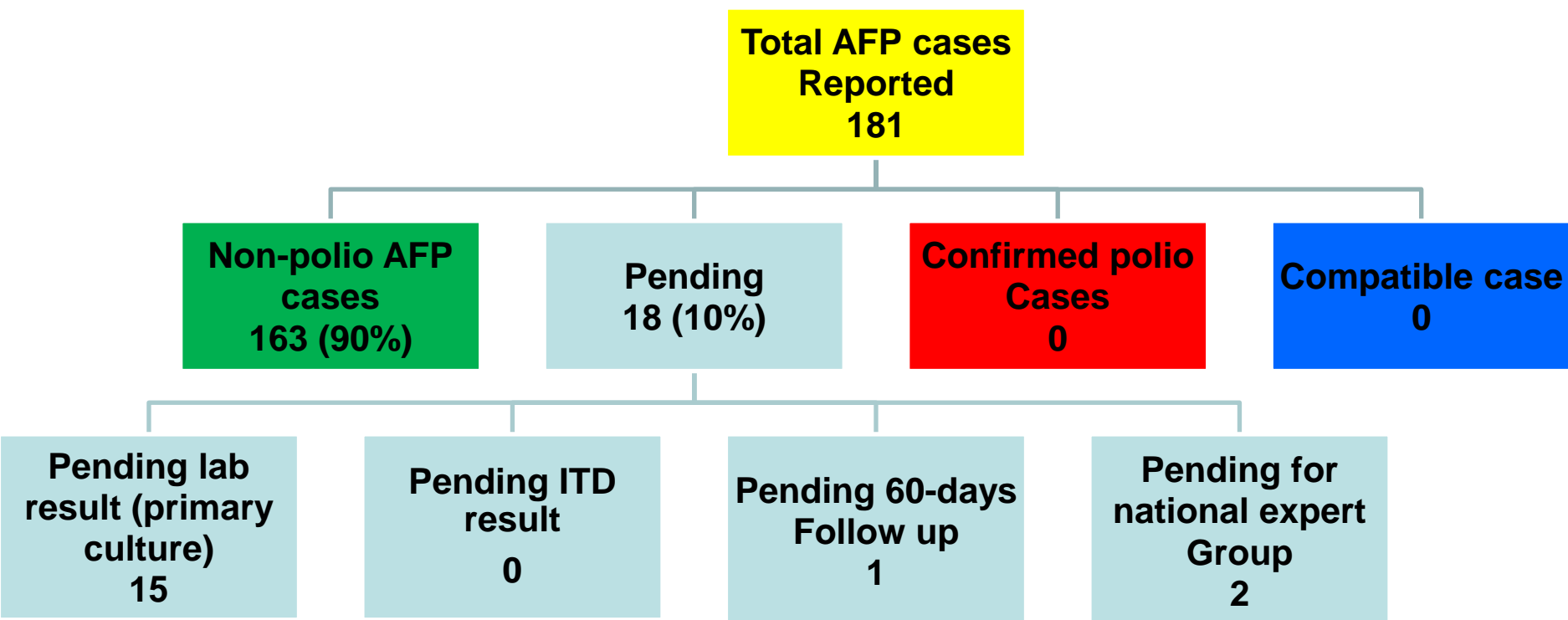
**\*Up to week 20**

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



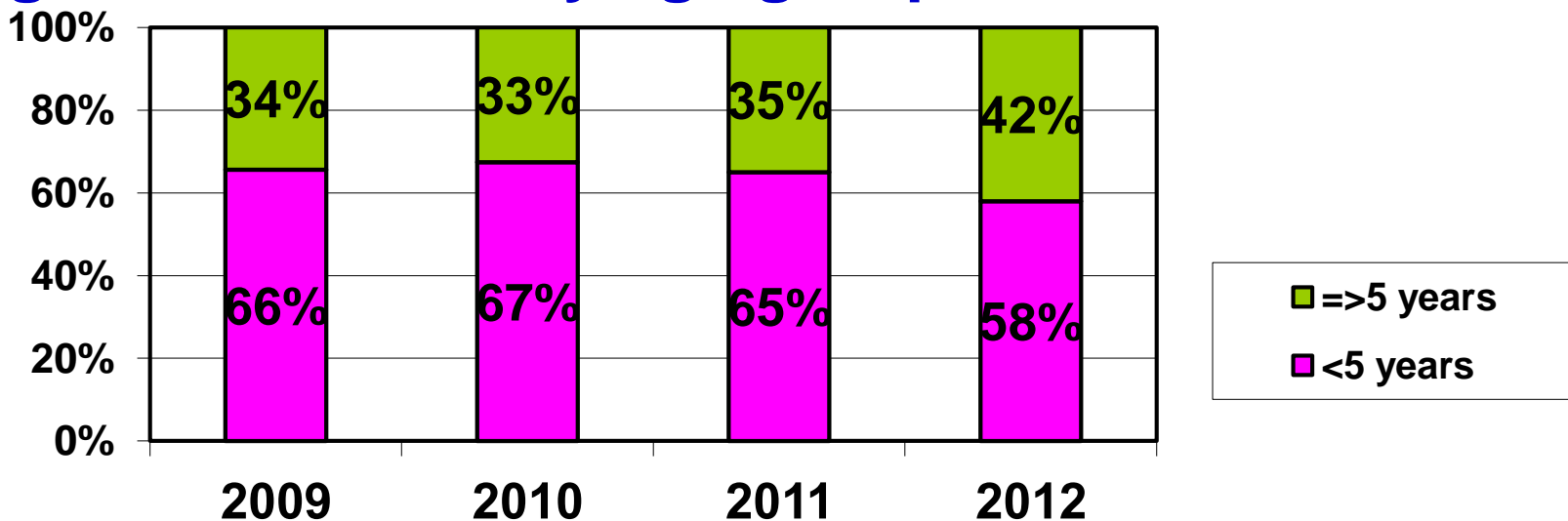
**\*Up to week 20**

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



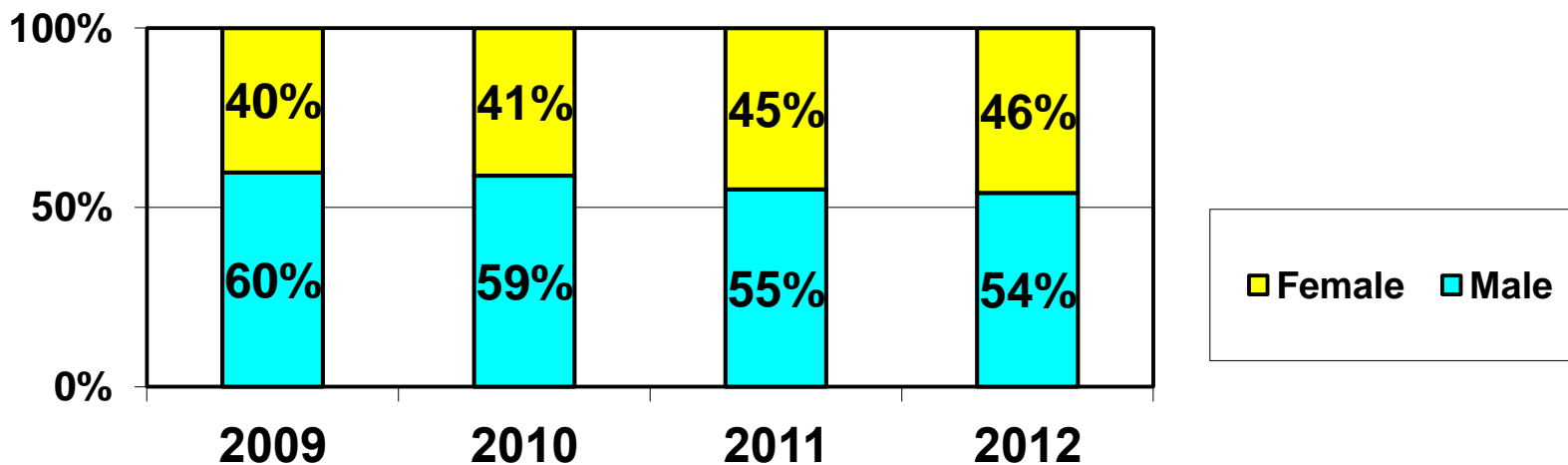
**\*Up to week 20**

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



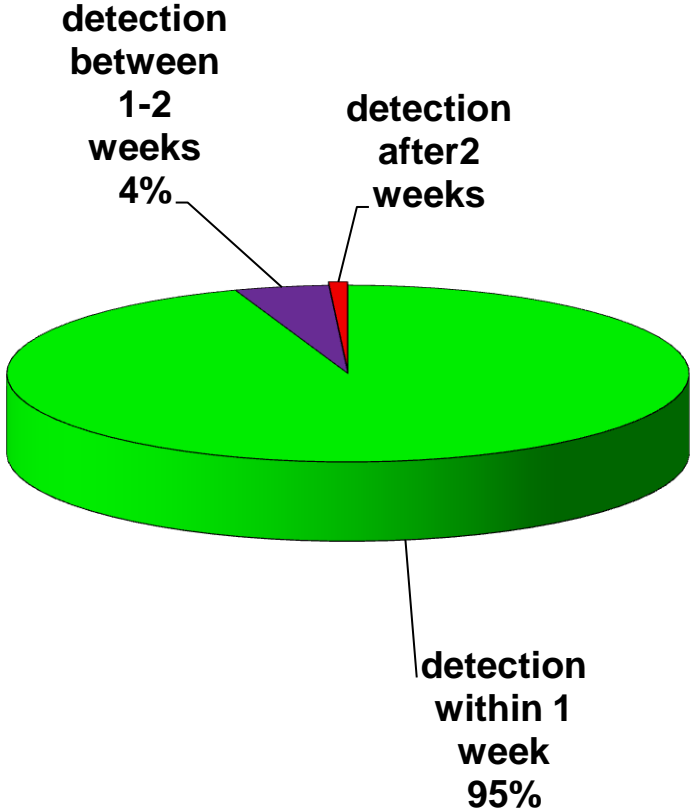
\*Up to week 20

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



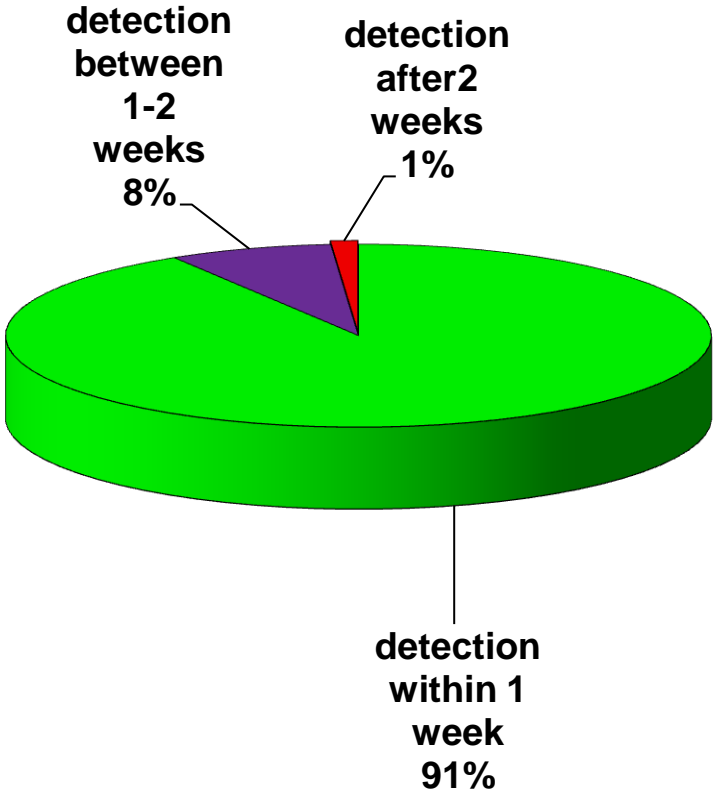
**Fig. 5: Percent distribution of AFP cases by time of detection, 2011\***

**N = 127 AFP cases**



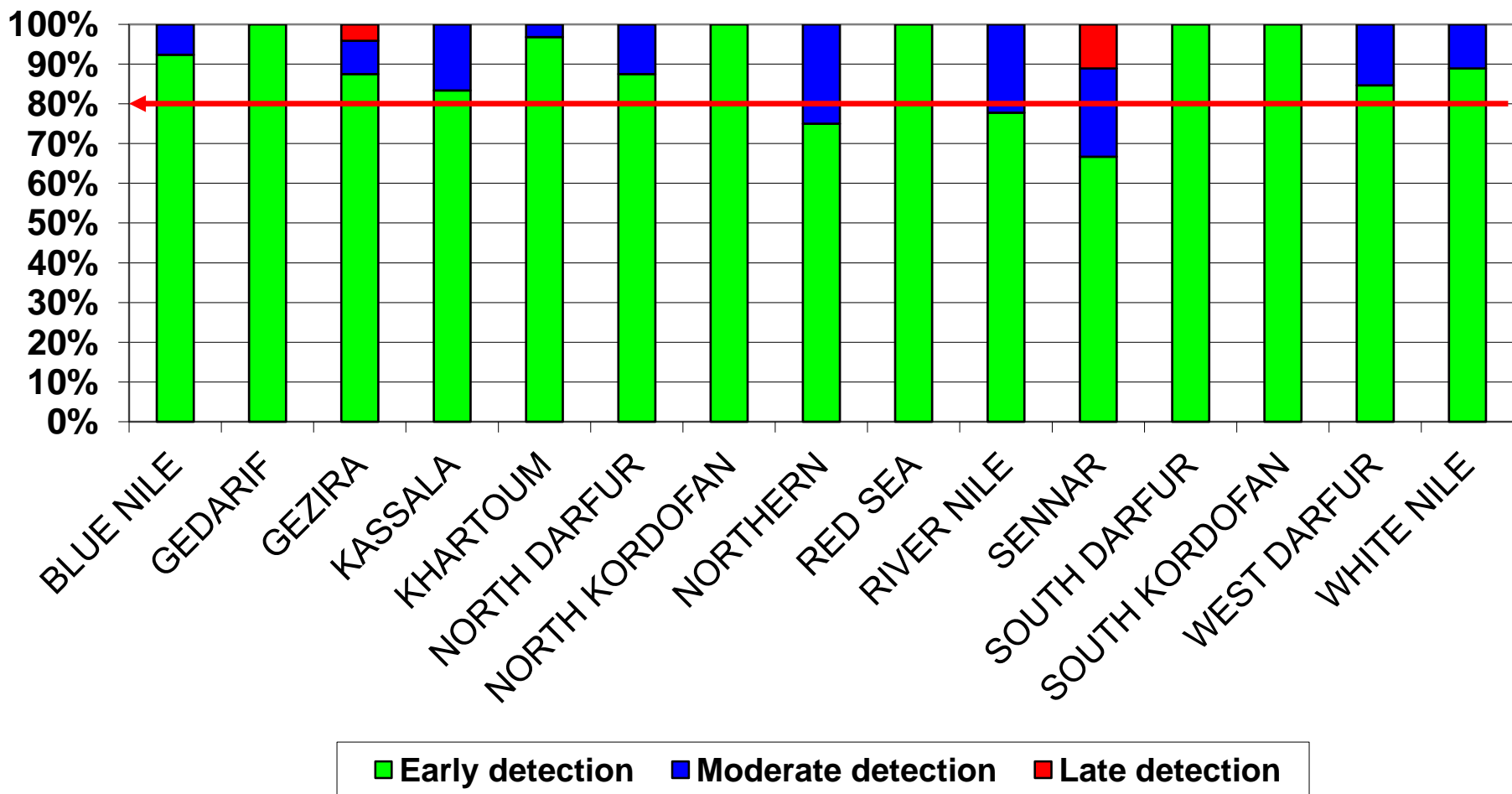
**Fig. 6: Percent distribution of AFP cases by time of detection, 2012\***

**N = 170 AFP cases**



**\*Up to week 20**

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



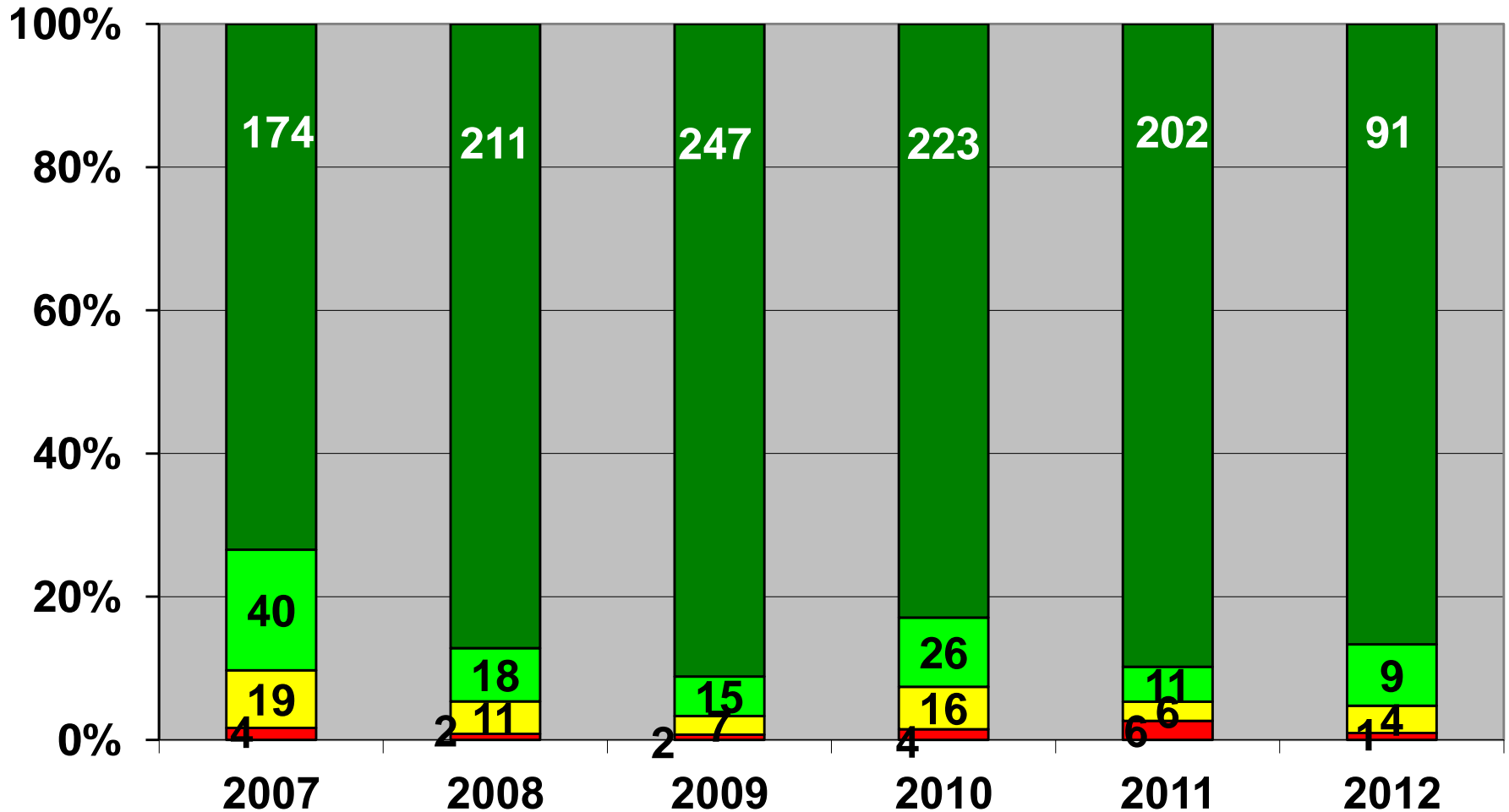
**\*Up to week 20**

# Table 1. Major AFP surveillance performance indicators, up to week 20, 2012

State	U 15 yrs population	Total reported AFP cases	Non-polio AFP cases	Pending classification	Polio cases	Compatible cases	% Adequate stools	Annualized AFP rate	% NPEV
B. Nile	451,519	13	11	2	0	0	92%	7.5	18%
Gedarif	887,810	9	8	1	0	0	89%	2.6	13%
Gezira	1,974,675	24	21	3	0	0	96%	3.2	24%
Kasala	857,183	6	6	0	0	0	100%	1.8	17%
Khartoum	2,489,151	31	26	5	0	0	100%	3.2	15%
N.Darf	890,317	16	15	1	0	0	100%	4.7	13%
N.Kord	1,281,448	12	11	1	0	0	92%	2.4	18%
Northern	271,479	4	3	1	0	0	75%	3.8	33%
Red Sea	331,008	9	8	1	0	0	100%	7.1	0%
River Nile	470,091	8	8	0	0	0	100%	4.4	13%
Sennar	735,588	8	7	1	0	0	88%	2.8	29%
S.Darfur	1,806,686	11	10	1	0	0	91%	1.6	10%
S. Kord	974,048	8	7	1	0	0	100%	2.1	0%
W.Darfur	971,638	13	13	0	0	0	100%	3.5	23%
W. Nile	855,181	9	9	0	0	0	100%	2.7	22%
<b>Total</b>	<b>15,247,822</b>	<b>181</b>	<b>163</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>96%</b>	<b>3.1</b>	<b>17%</b>



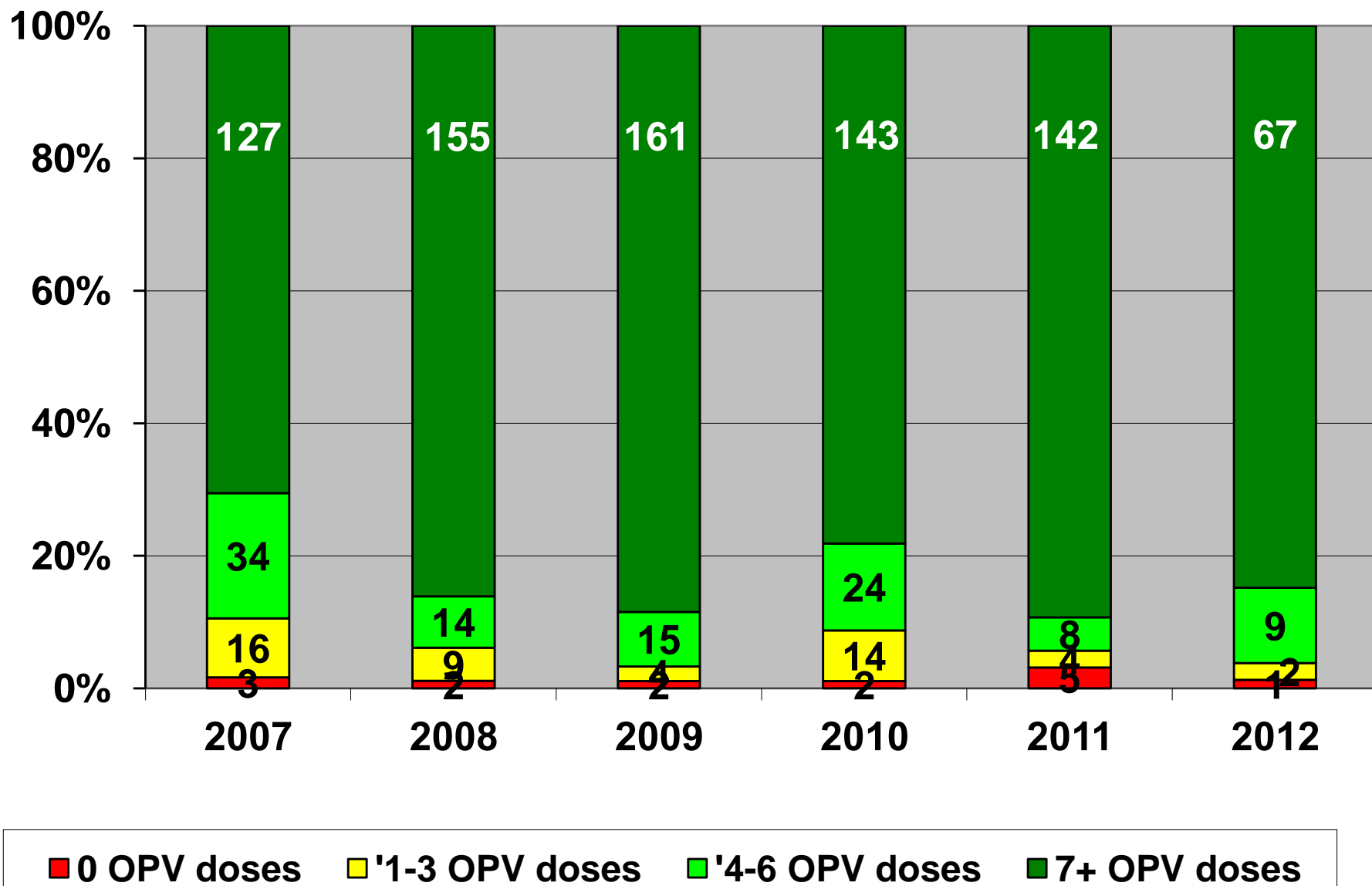
# Fig. 8: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012\*



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

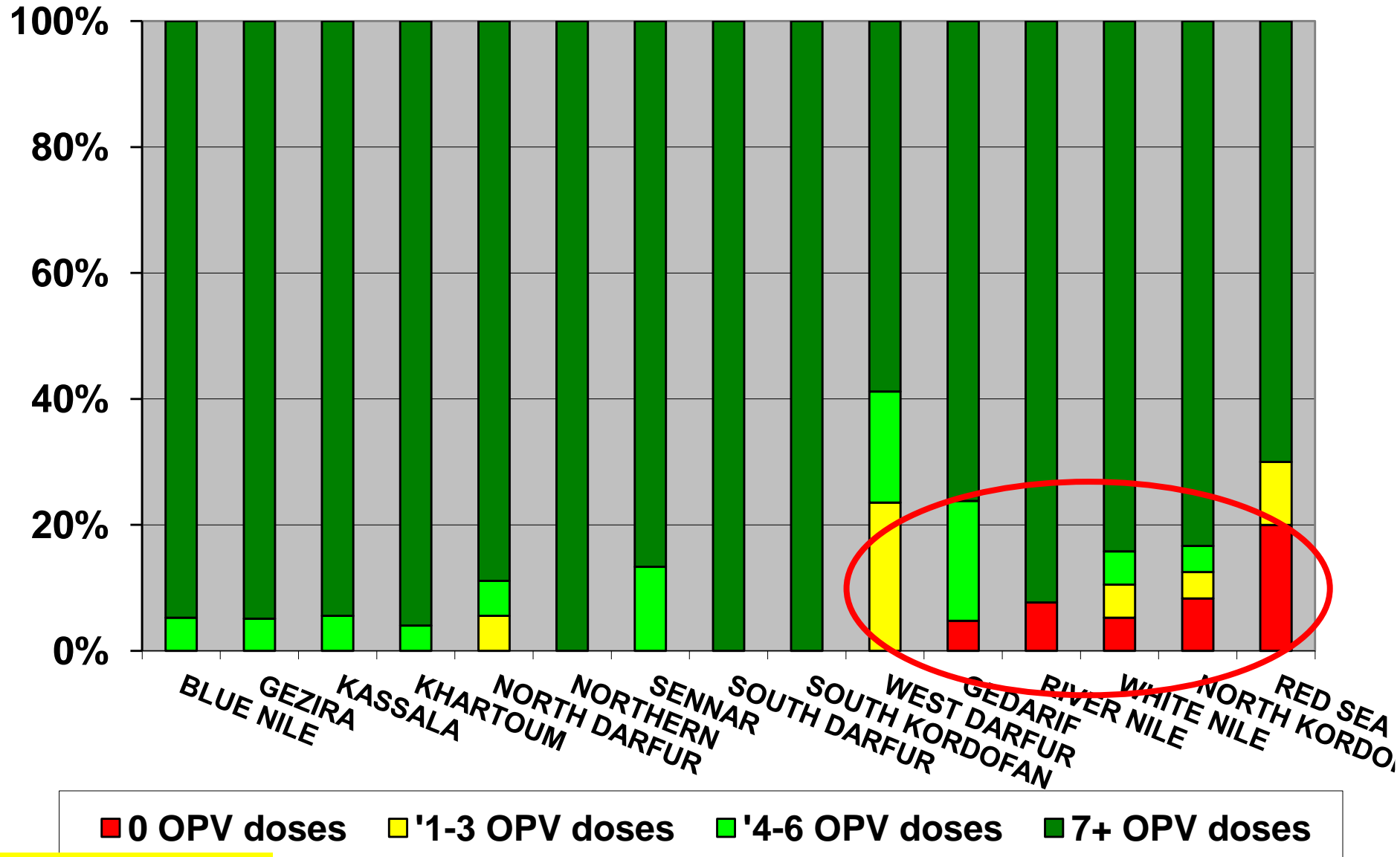
\*Up to week 20

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



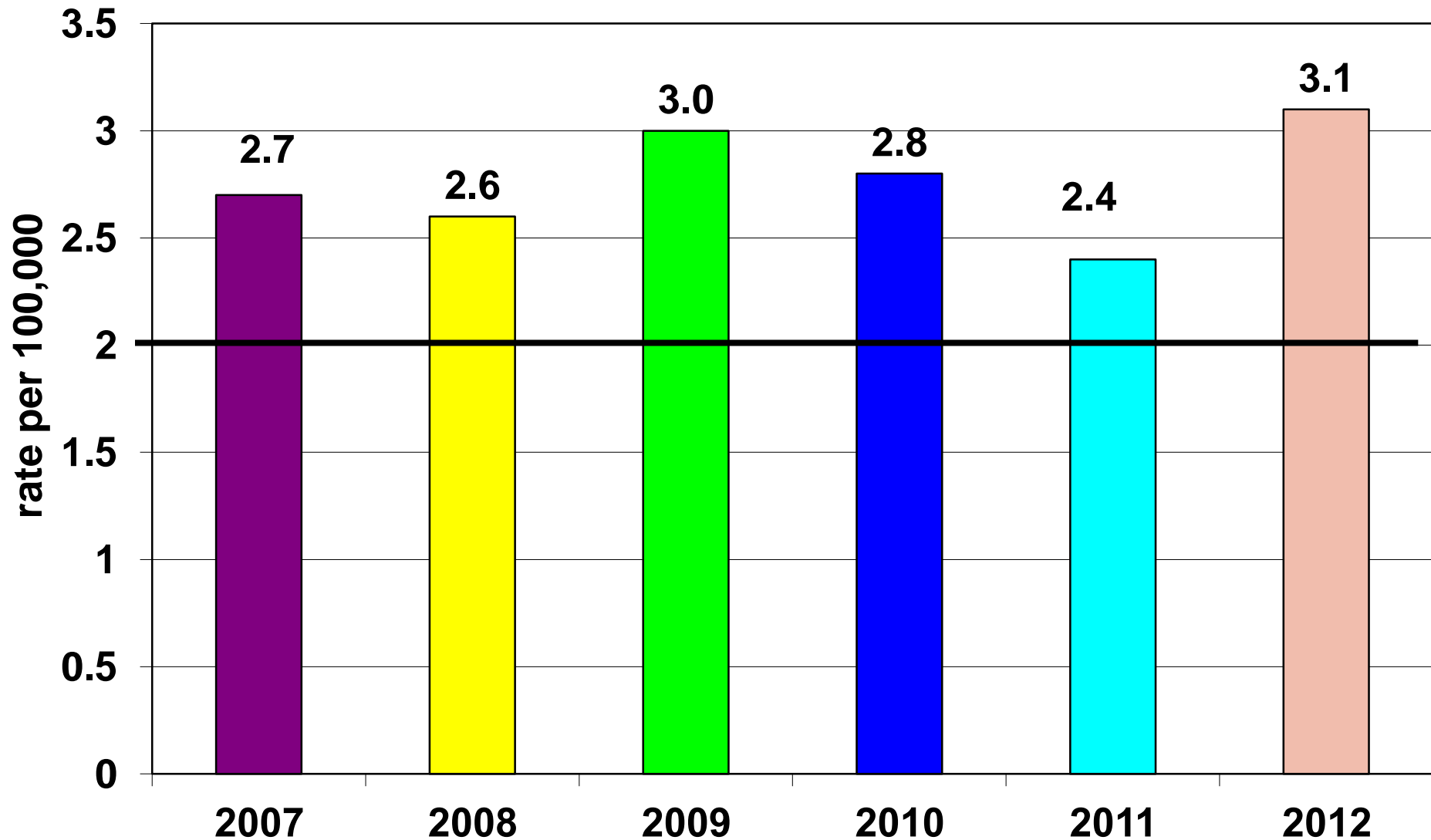
\*Up to week 20

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



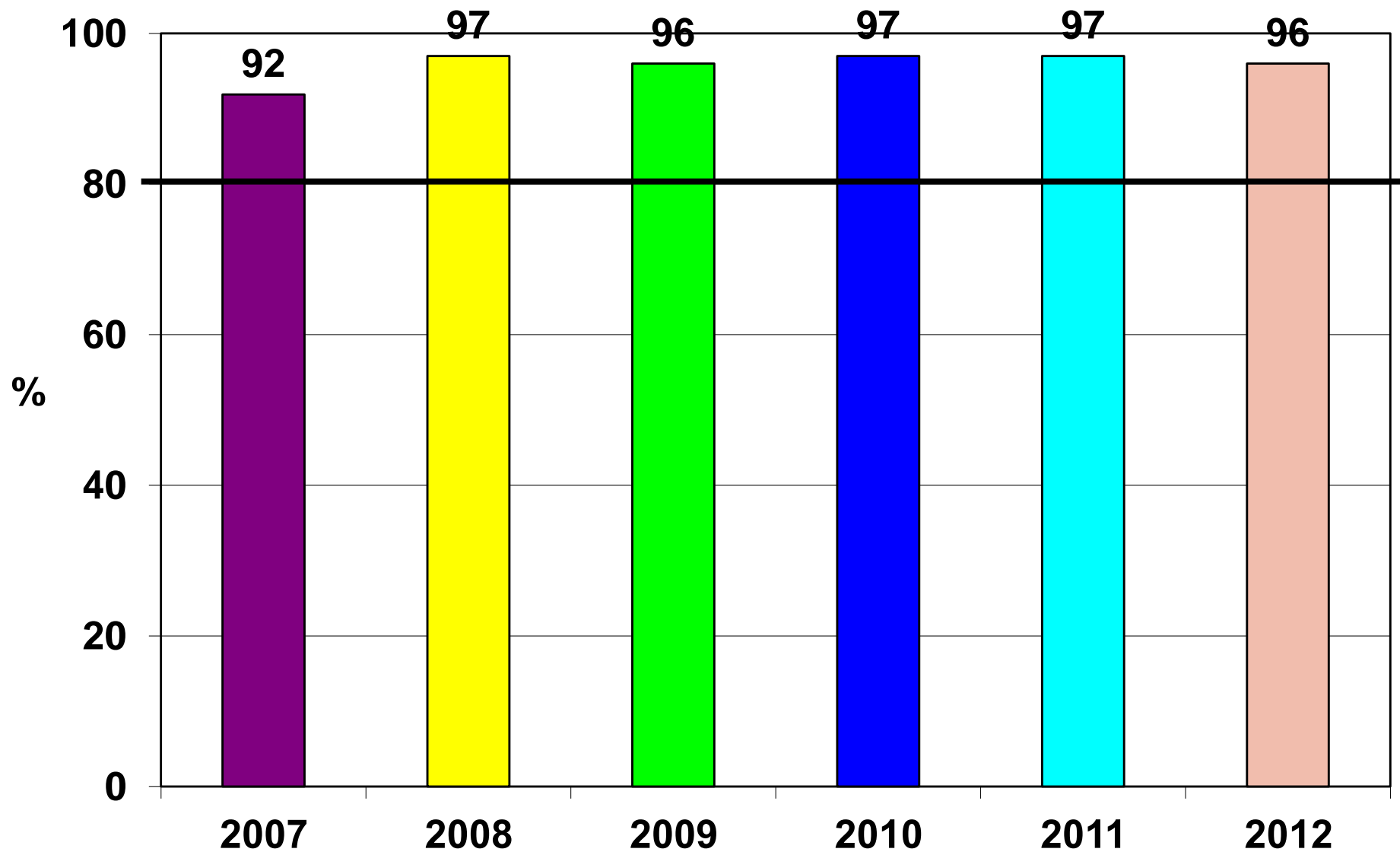
\*Up to week 20

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



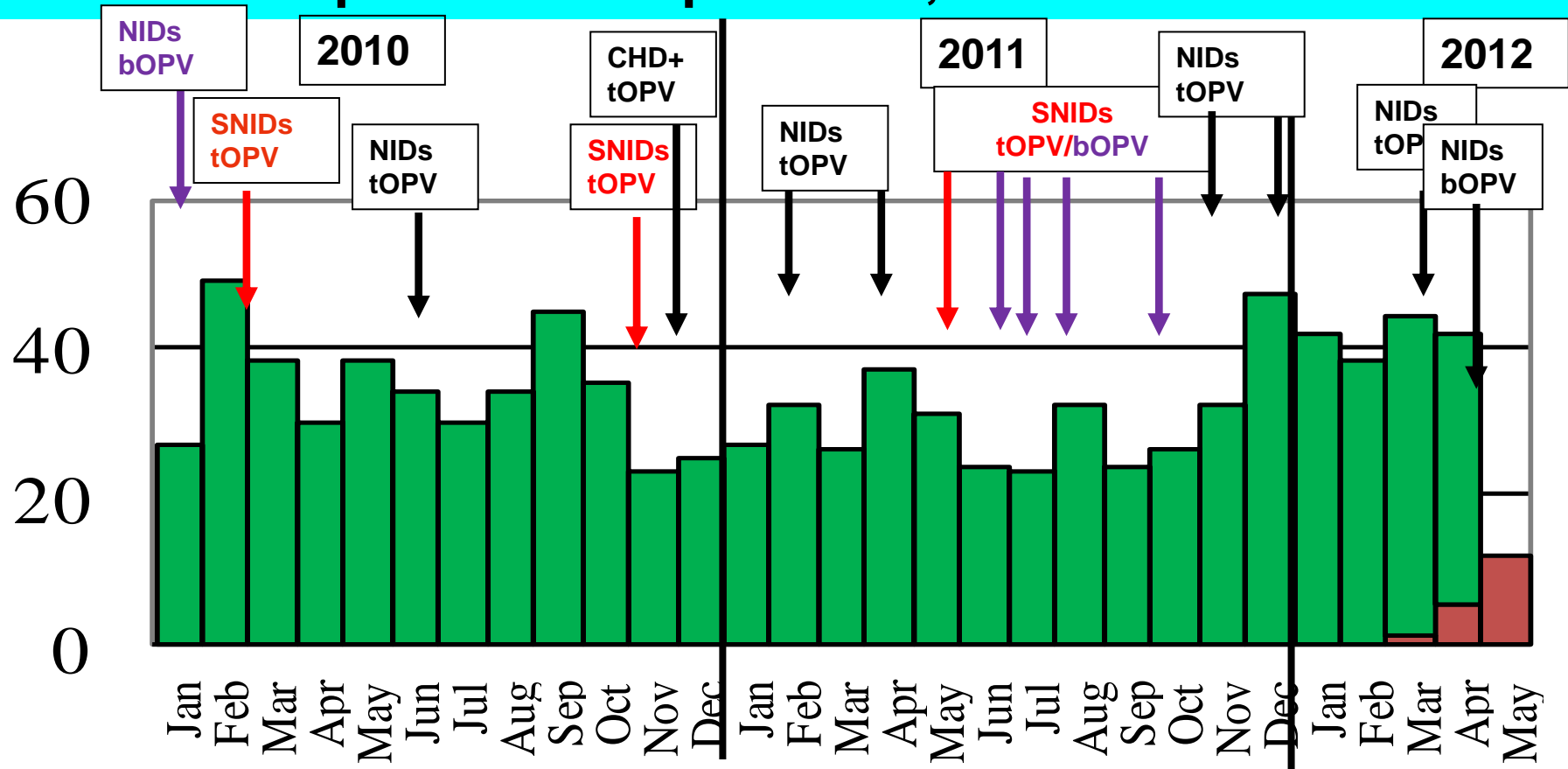
**\*Up to week 20**

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



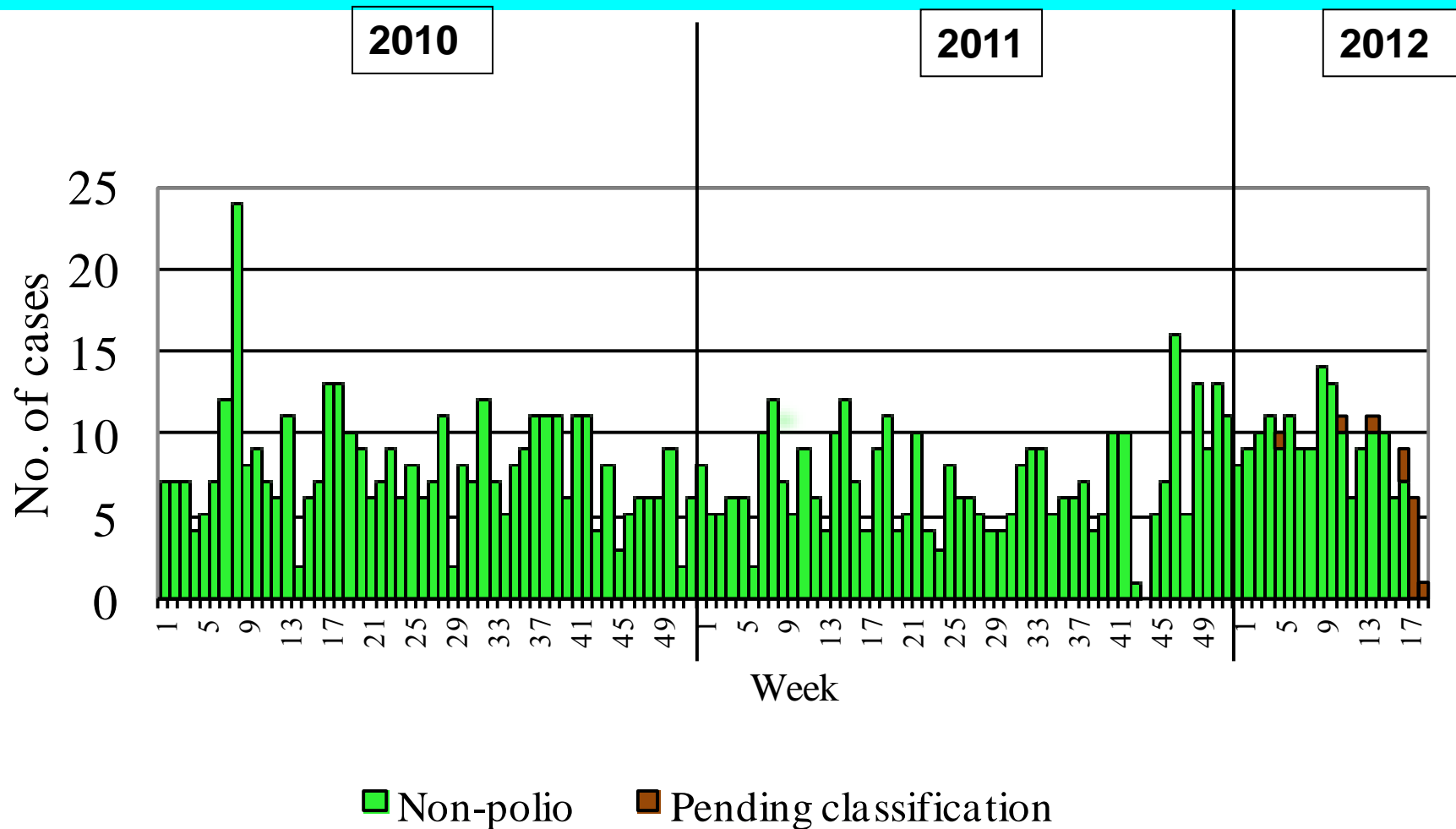
**\*Up to week 20**

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



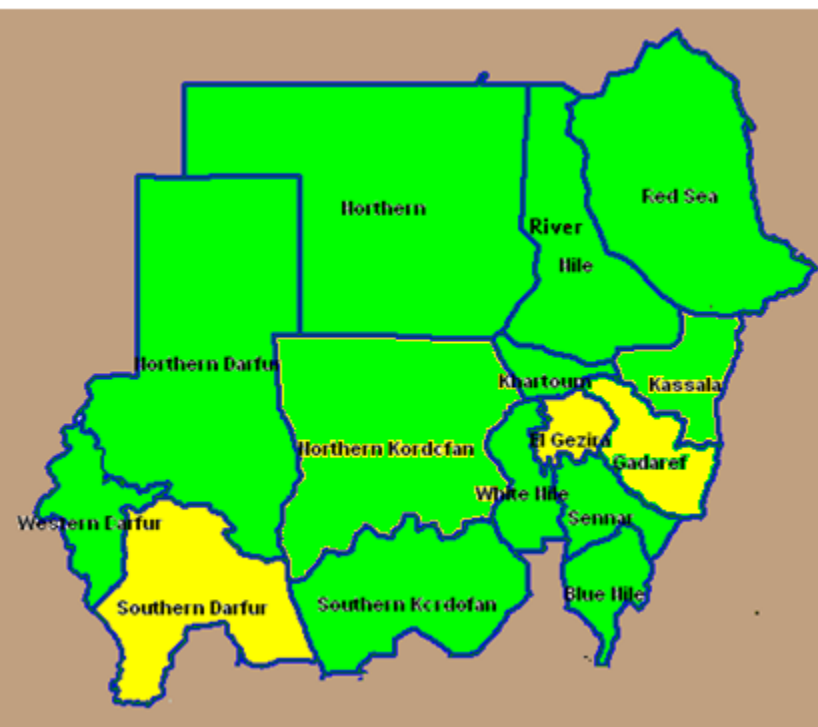
\*Up to week 20

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

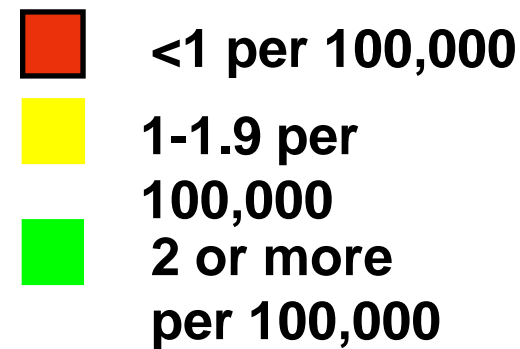


\*Up to week 20

**Map 3. Non-polio AFP rate by state, 2011 up to W20**



**Map 4. Annualized Non-polio AFP rate by state, 2012 up to W20**

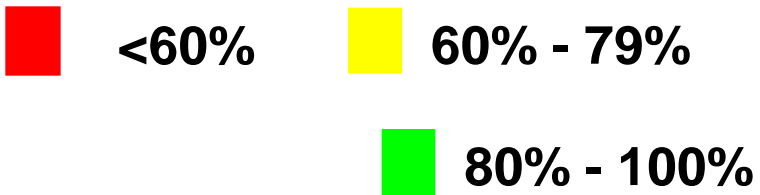




**Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W20**



**Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W20**



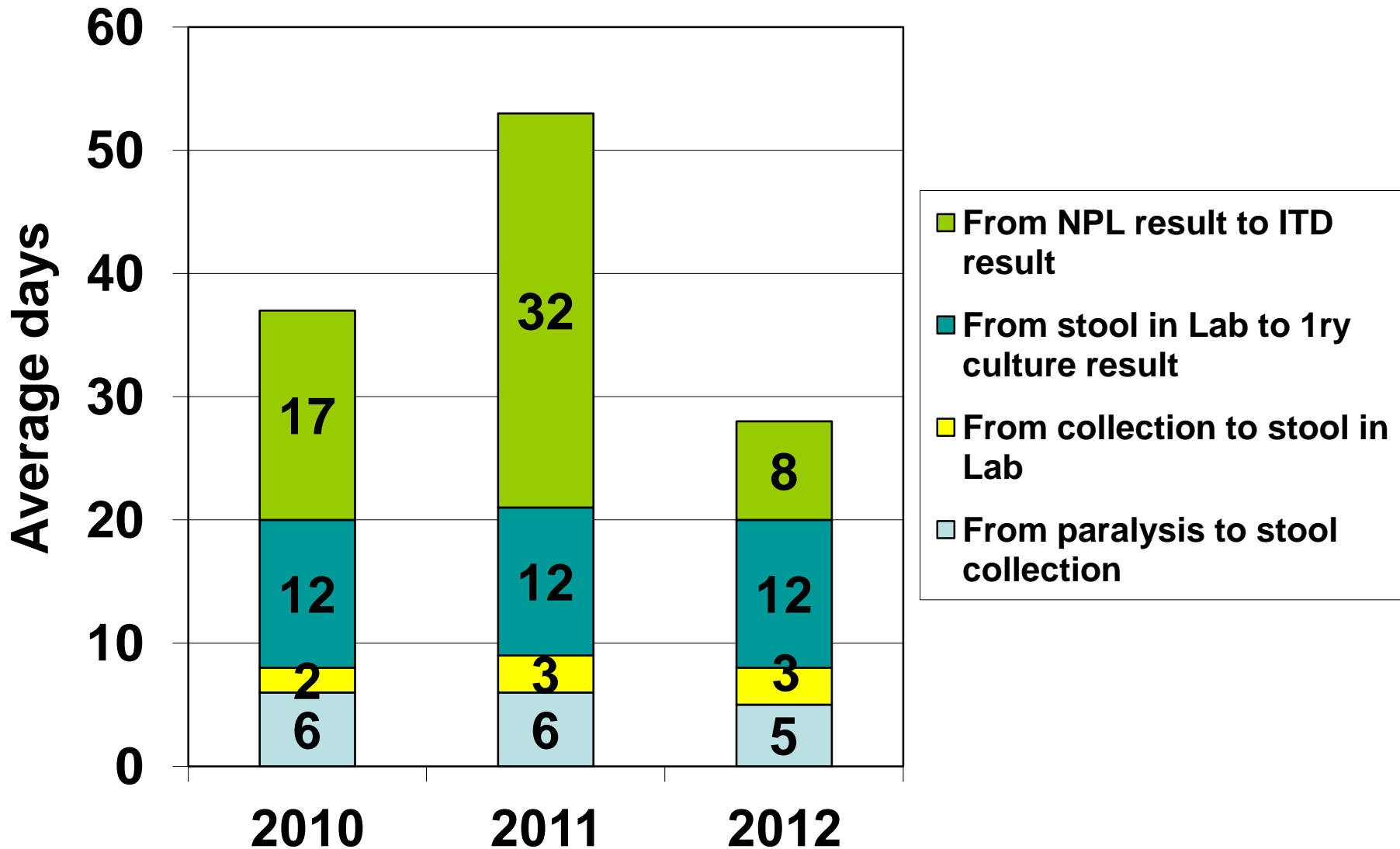
**Table 2. National polio lab performance indicators 2010-2012 up to week 20**

<b>Indicator</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>AFP cases with samples tested in NPL</b>	<b>165</b>	<b>134</b>	<b>180</b>
<b>Cases with wild polioviruses</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Cases with non-polio enterovirus</b>	<b>10%</b>	<b>16%</b>	<b>17%</b>
<b>SL viruses No. &amp; (%) from AFP cases</b>	<b>1(0.7%)</b>	<b>1(1%)</b>	<b>4(2.4%)</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>62</b>	<b>80</b>	<b>106</b>
<b>Contacts with non-polio enterovirus</b>	<b>7%</b>	<b>9.5%</b>	<b>16%</b>
<b>Sabin like viruses No. &amp; (%) from contacts</b>	<b>0</b>	<b>4(5.4%)</b>	<b>1(0.6%)</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 20	165	18	0	132	15	10%	98%	88%	99%
2011 up to week 20	134	20	4	92	18	16%	75%	83%	100%
2012 up to week 20	180	15	0	130	26	17%	96.4%	83%	99%

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



\*Up to week 20