



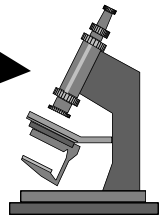
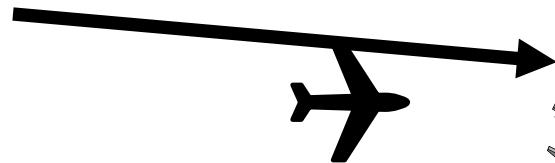
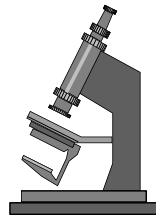
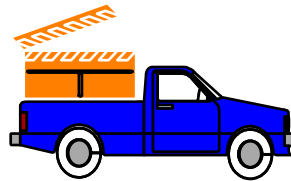
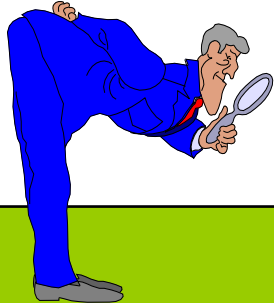
World Health
Organization



Republic of Sudan

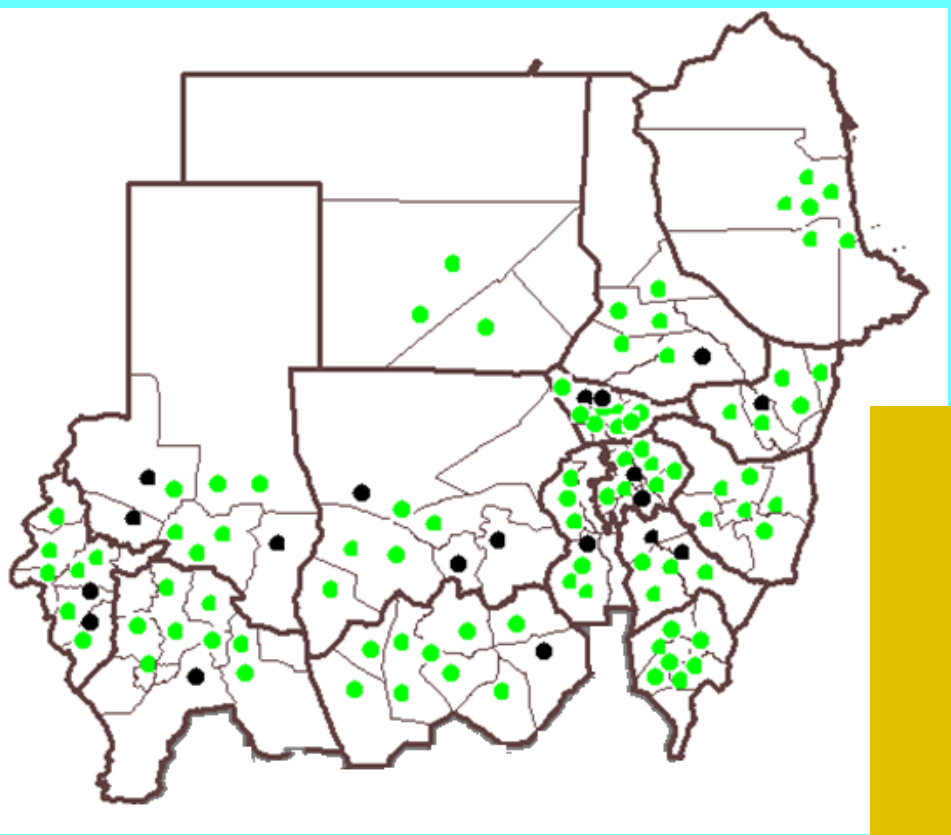


**Weekly AFP surveillance report
week 18
Ending on 6 May 2012**

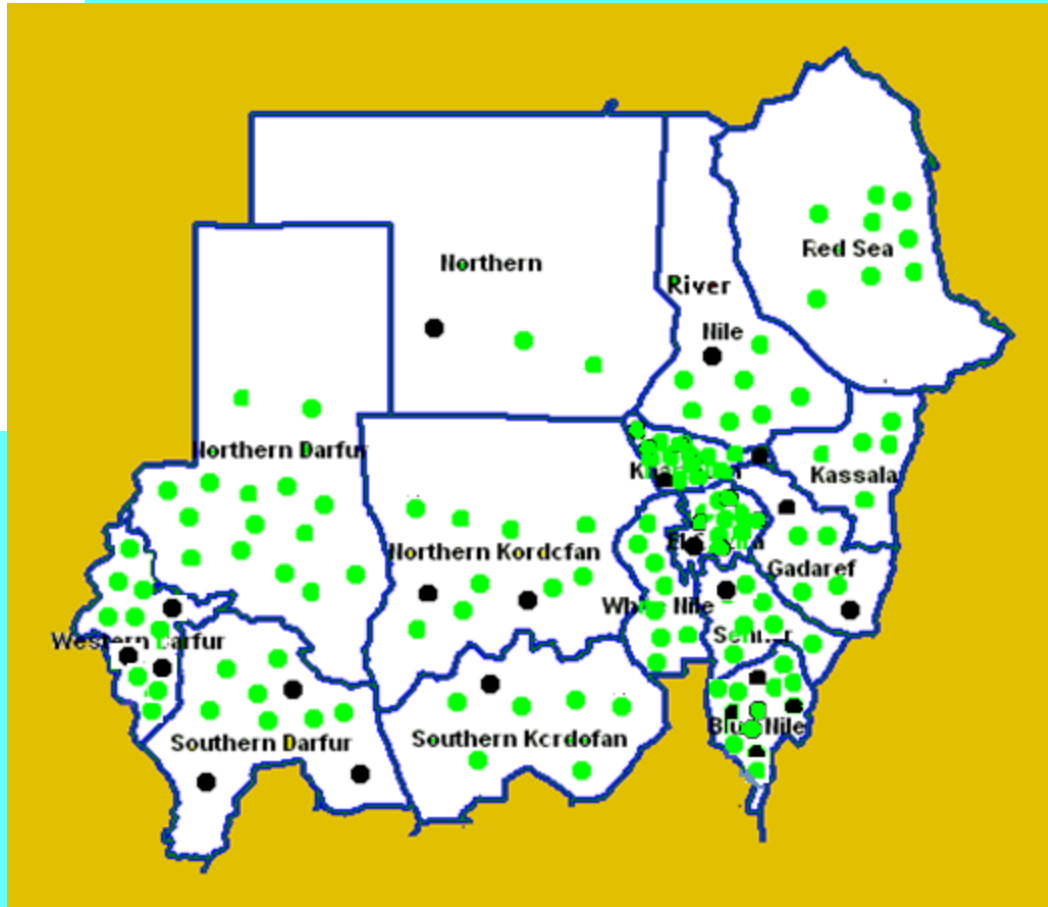


AFP Surveillance central unit

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



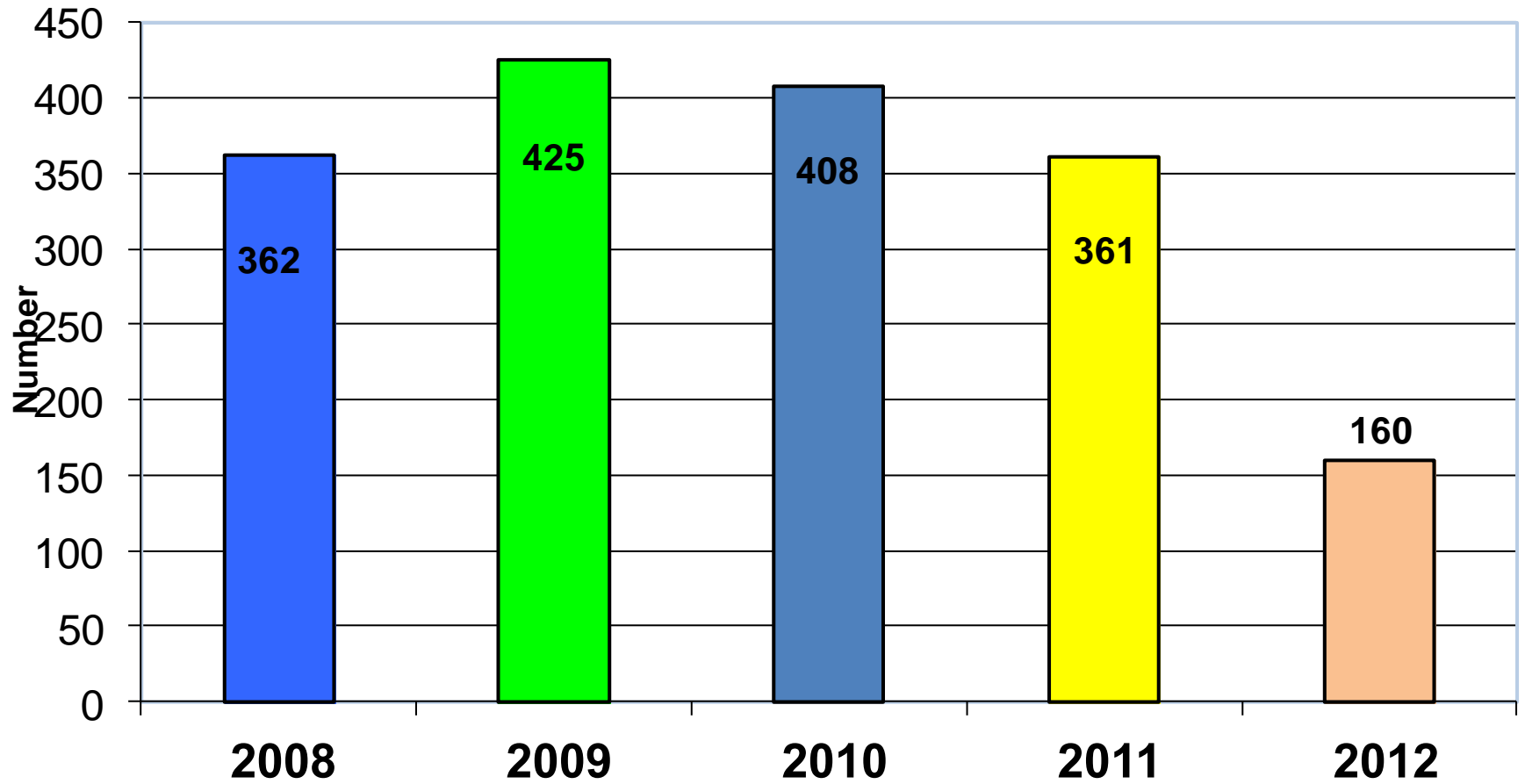
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



● Non-polio AFP
● Pending classification

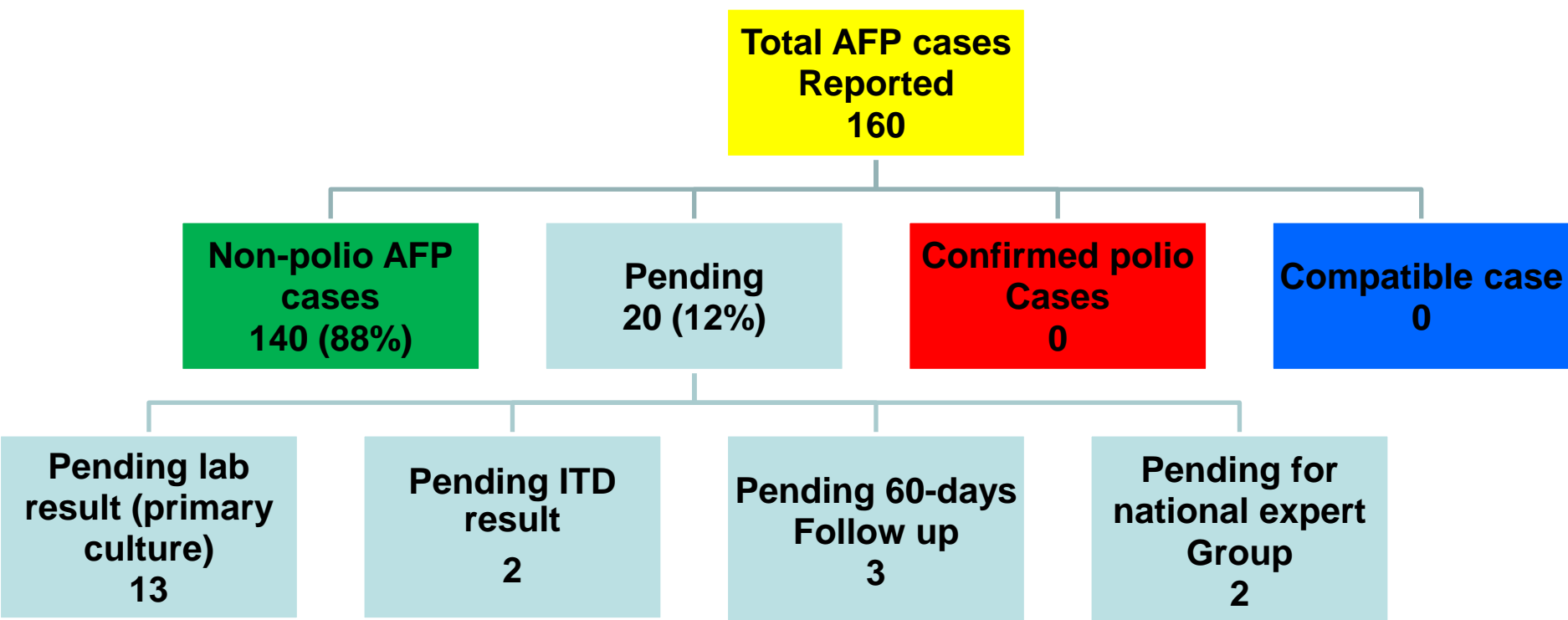
***Up to week 18**

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



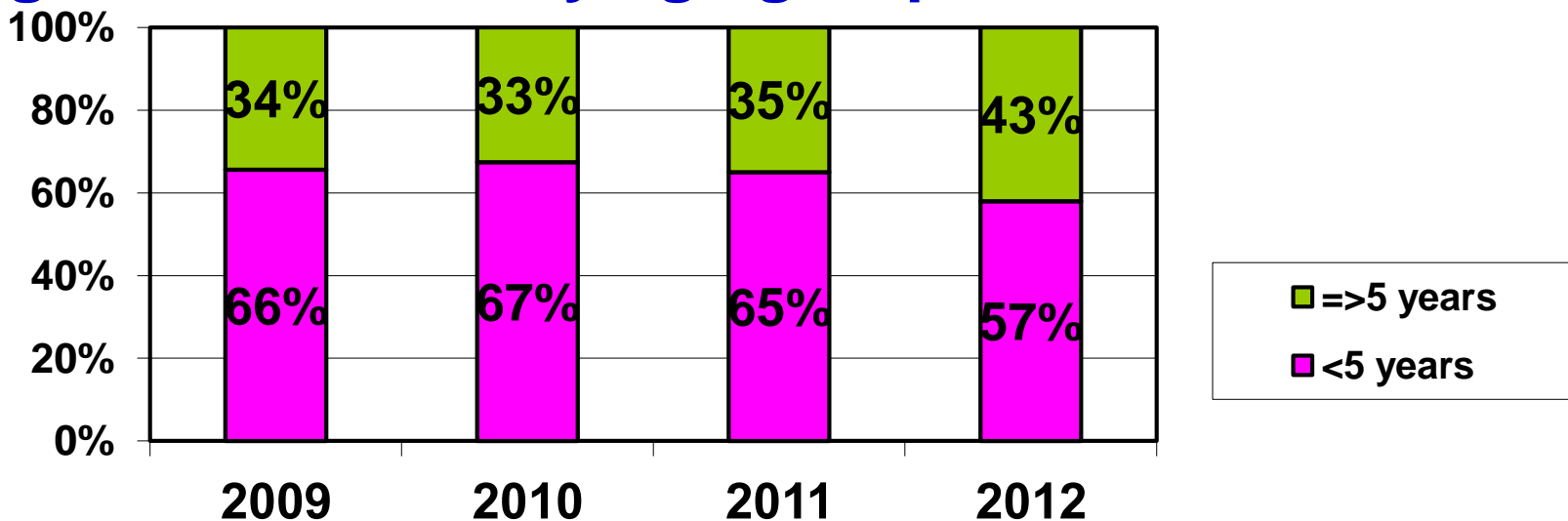
***Up to week 18**

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



***Up to week 18**

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



*Up to week 18

Fig. 4: AFP cases by sex 2009 – 2012*

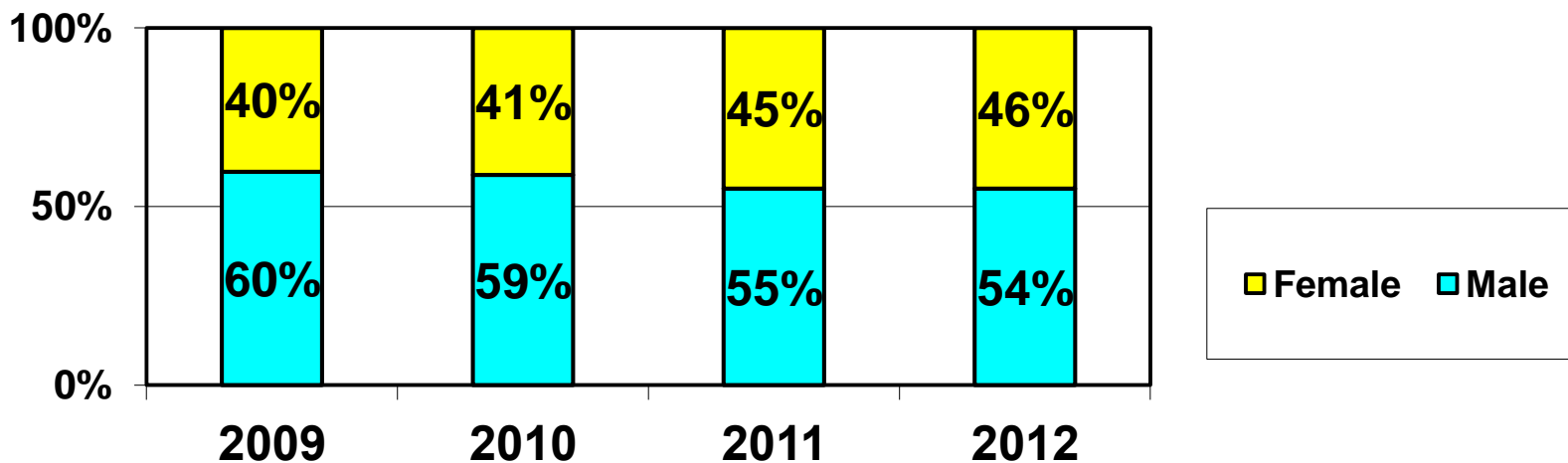


Fig. 5: Percent distribution of AFP cases by time of detection, 2011*

N = 119 AFP cases

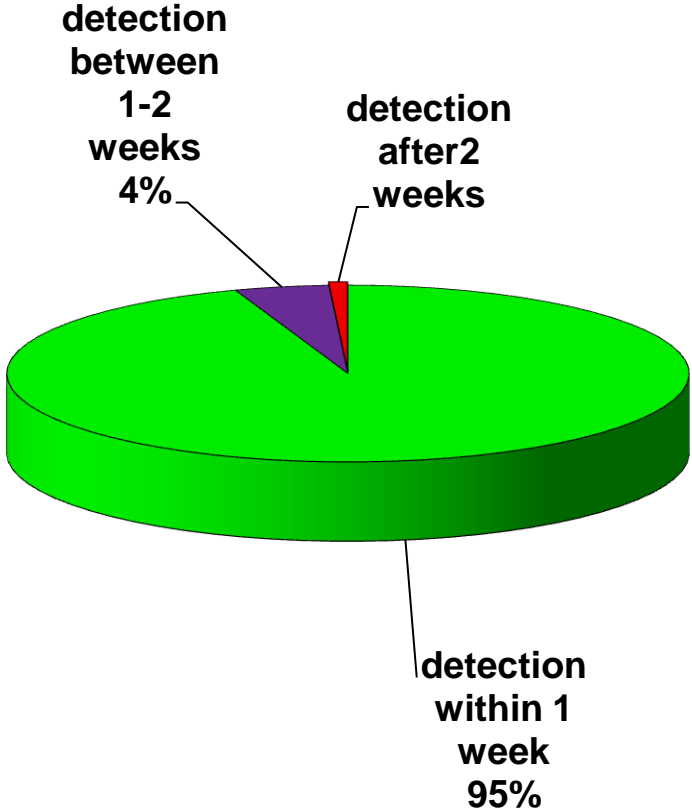
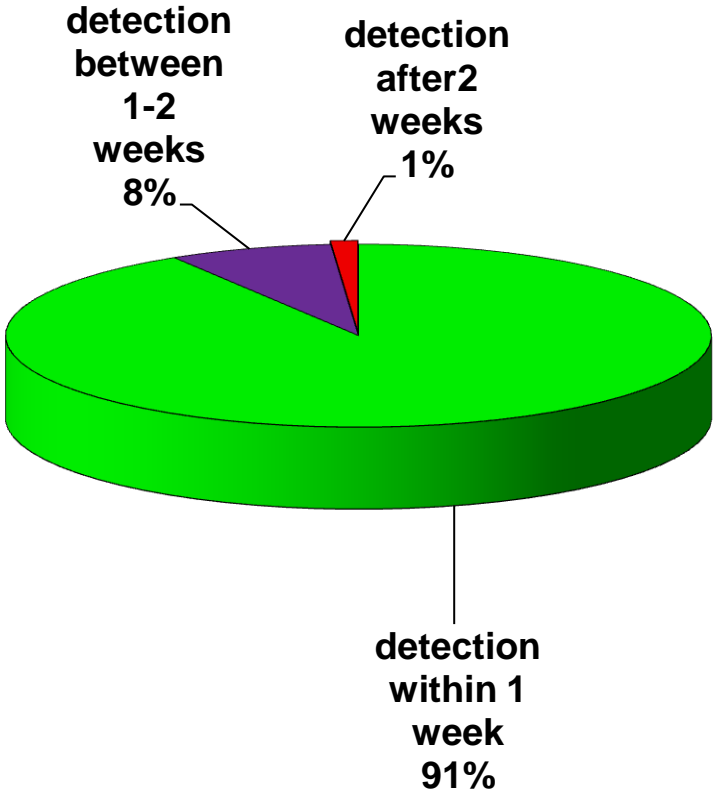


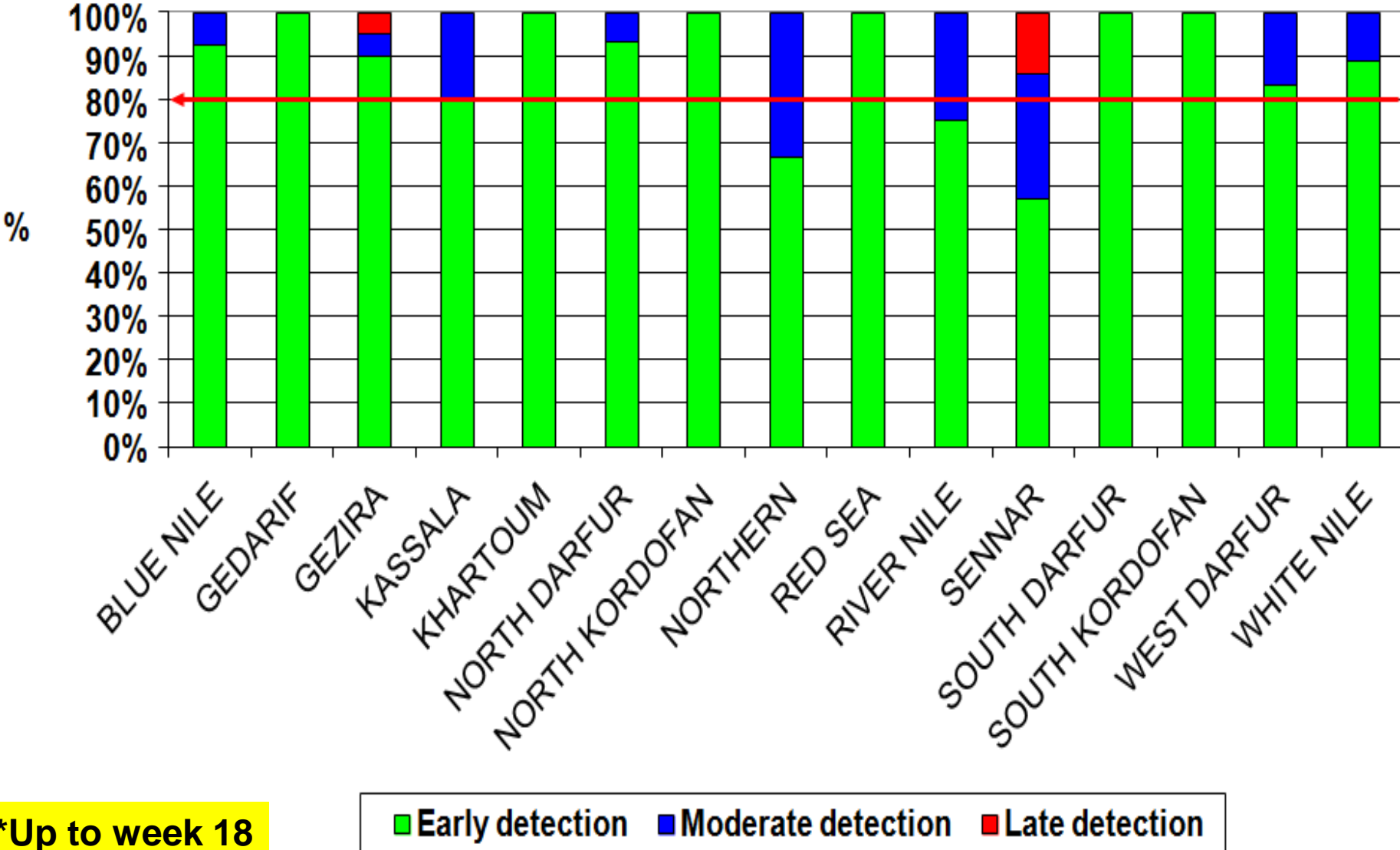
Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 160 AFP cases



***Up to week 18**

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

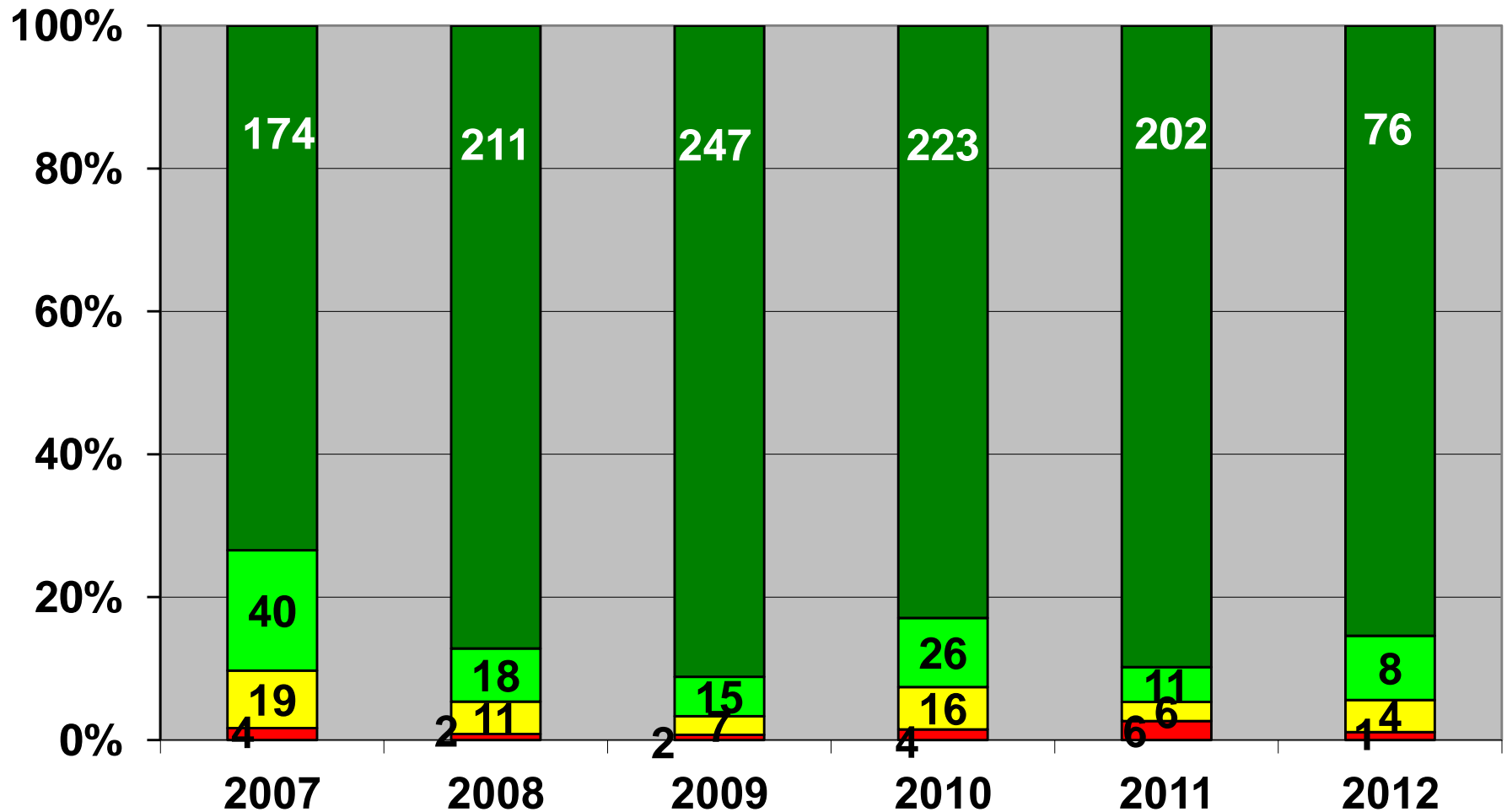


***Up to week 18**

Table 1. Major AFP surveillance performance indicators, up to week 18, 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	9	4	0	0	92%	8.3	20%
Gedarif	887,810	7	5	2	0	0	86%	2.3	20%
Gezira	1,974,675	20	19	1	0	0	95%	2.9	26%
Kasala	857,183	5	5	0	0	0	100%	1.7	20%
Khartom	2,489,151	25	24	1	0	0	100%	2.9	17%
N.Darf	890,317	15	15	0	0	0	100%	4.9	13%
N.Kord	1,281,448	11	9	2	0	0	91%	2.5	18%
Northern	271,479	3	2	1	0	0	67%	3.2	33%
Red Sea	331,008	8	8	0	0	0	100%	7.0	0%
River Nile	470,091	8	7	1	0	0	100%	4.9	14%
Sennar	735,588	7	6	1	0	0	86%	2.7	29%
S.Darfur	1,806,686	10	7	3	0	0	90%	1.6	13%
S. Kord	974,048	7	6	1	0	0	100%	2.1	0%
W.Darfur	971,638	12	9	3	0	0	100%	3.6	33%
W. Nile	855,181	9	9	0	0	0	100%	3.0	22%
Total	15,247,822	160	140	20	0	0	96%	3.0	18%

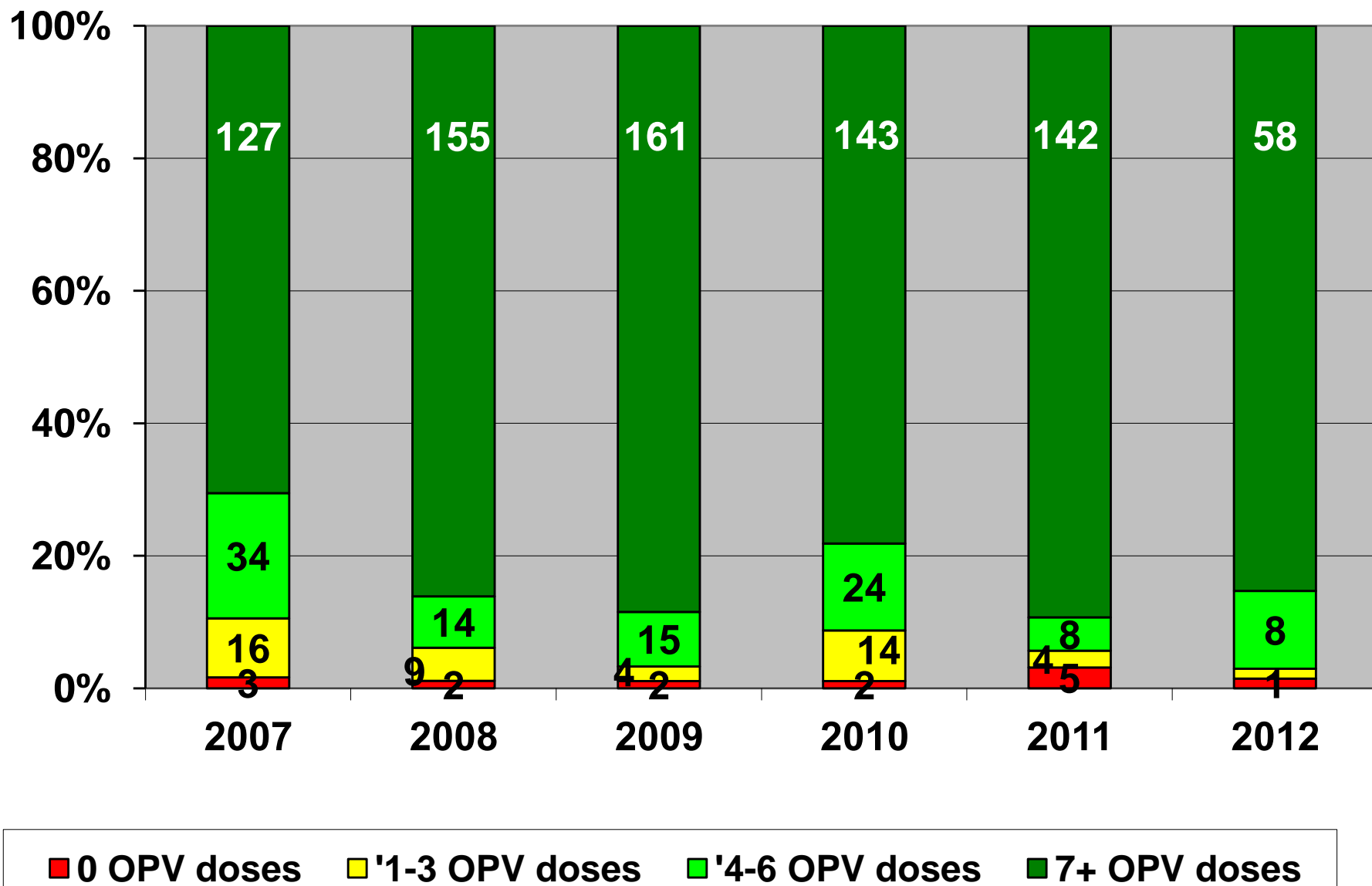
Fig. 8: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012*



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

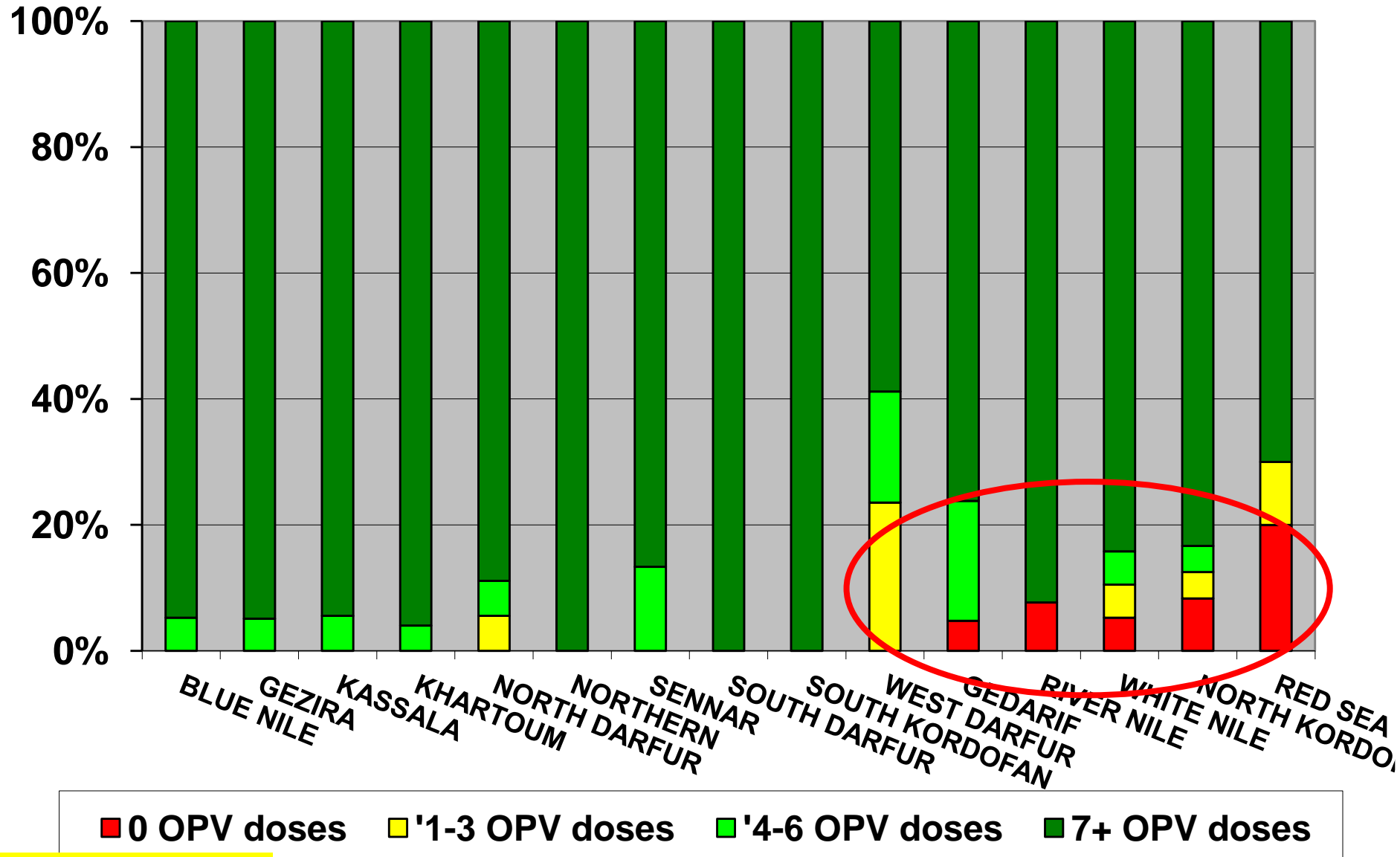
*Up to week 18

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



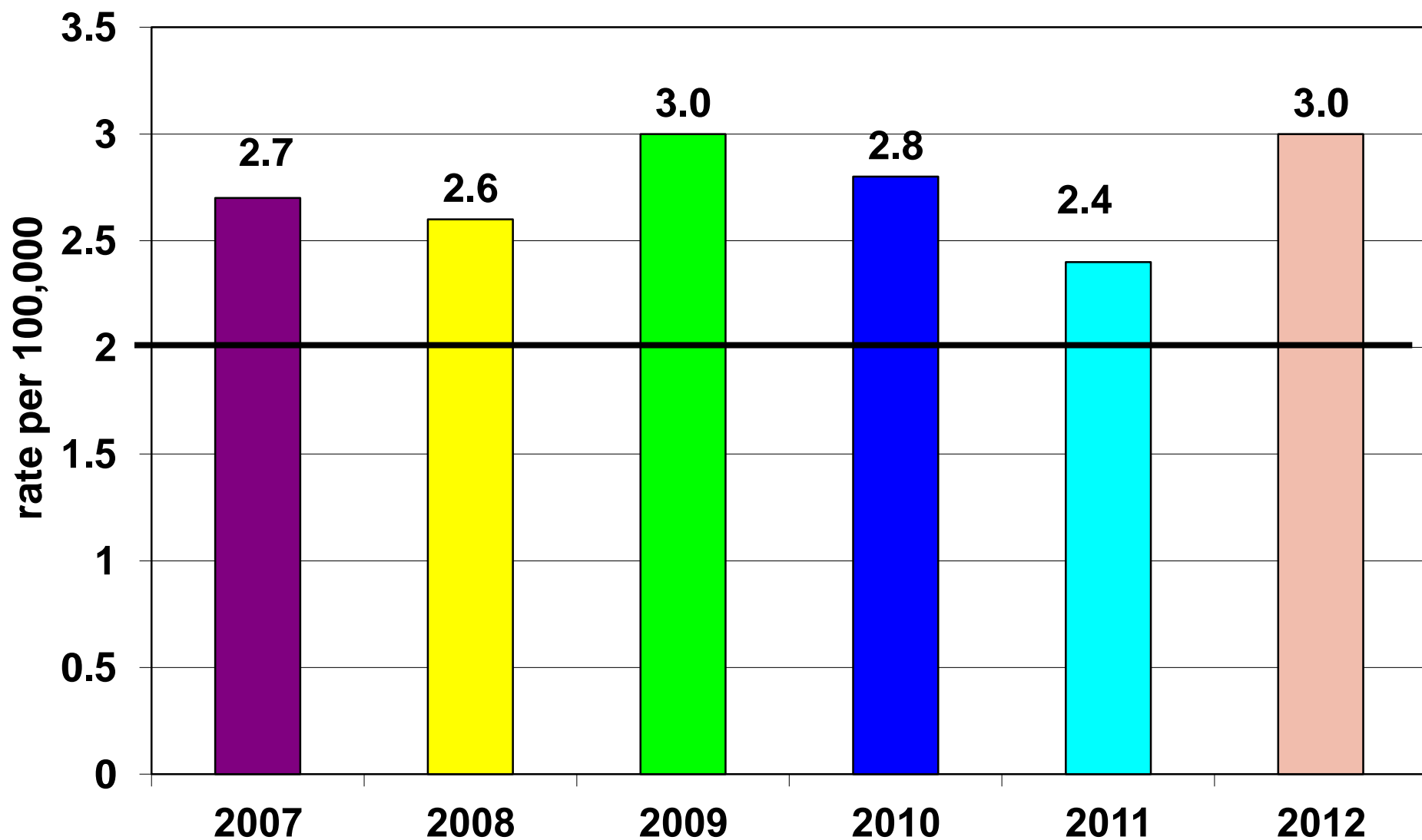
*Up to week 18

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



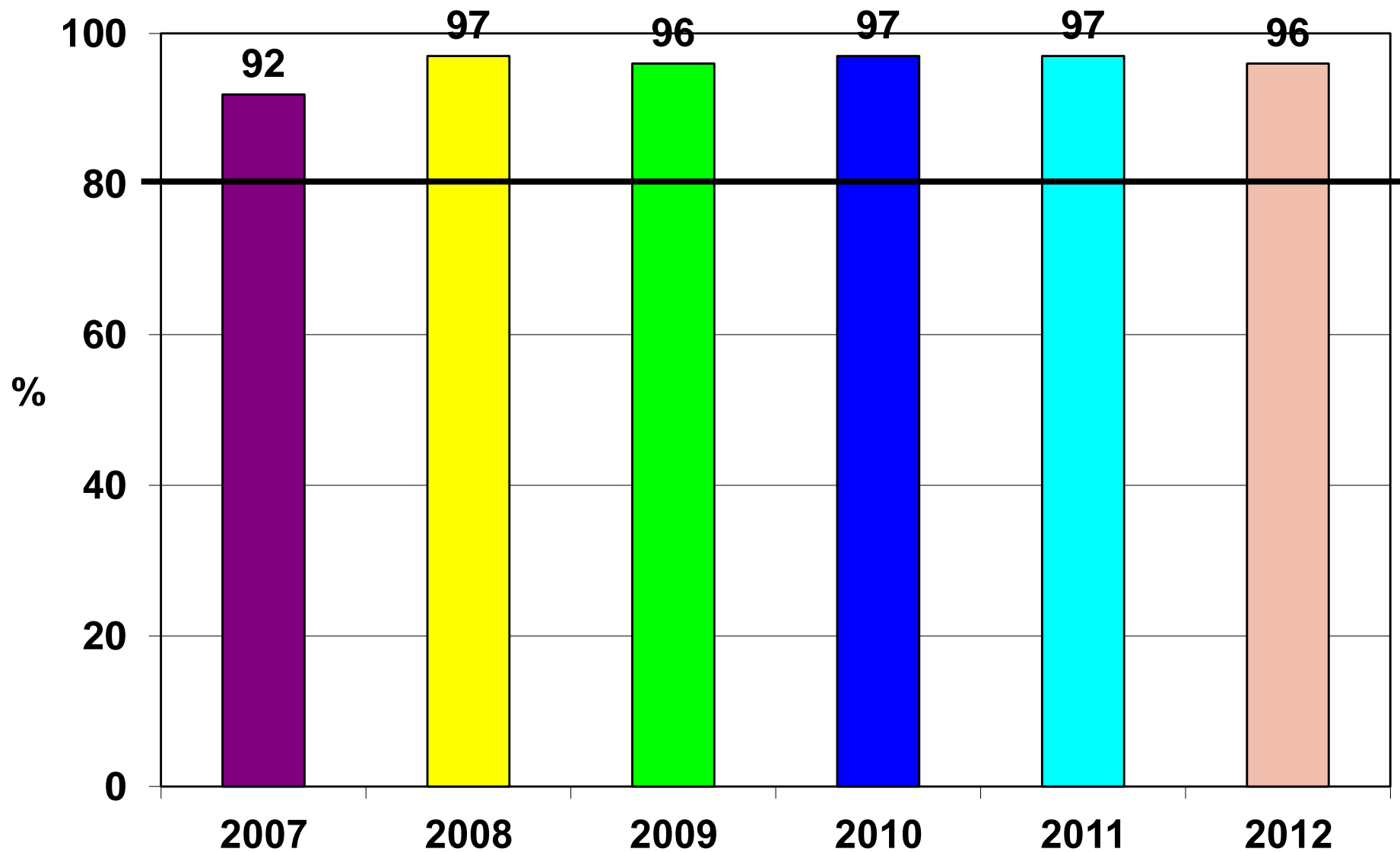
*Up to week 18

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



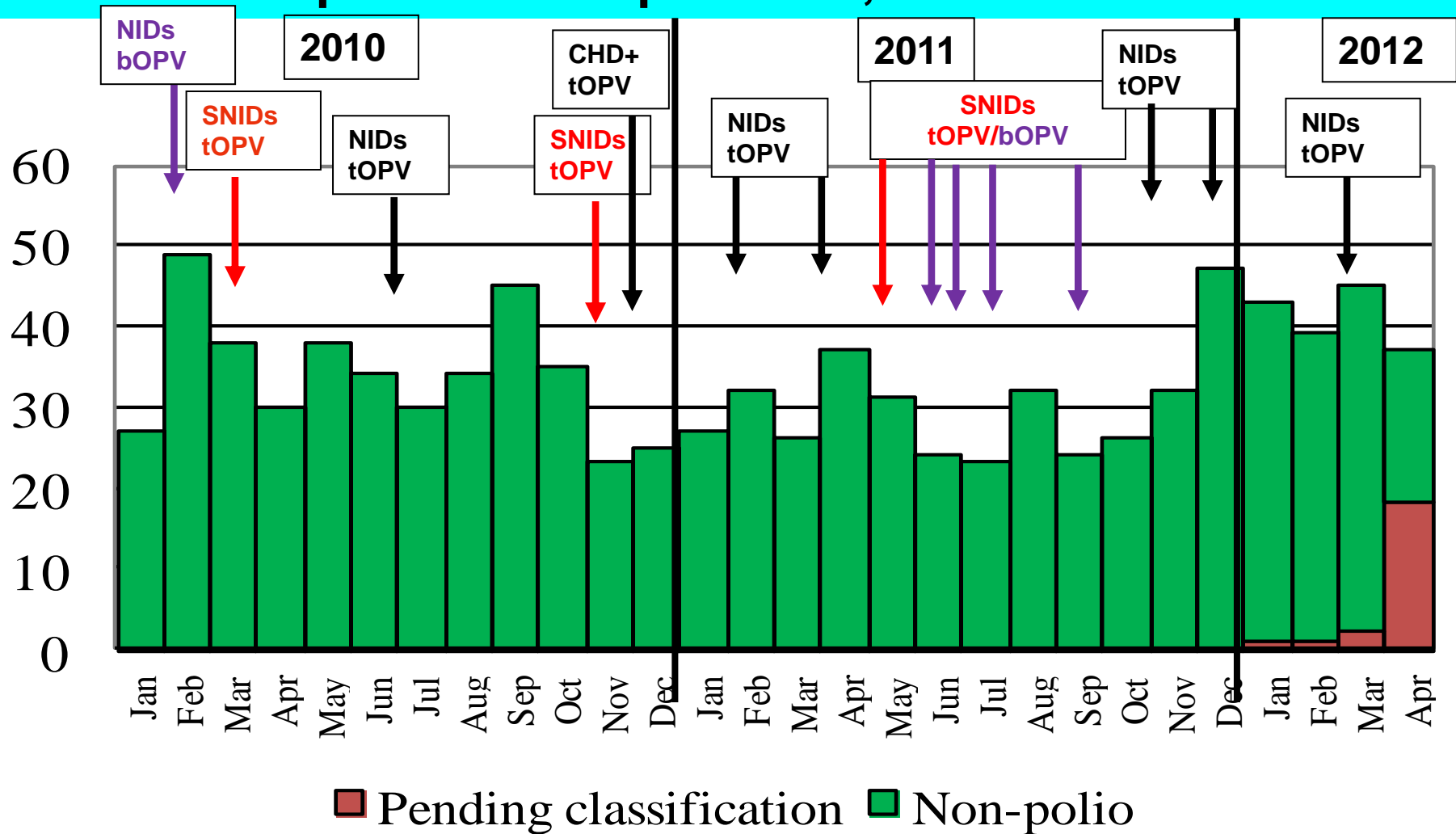
***Up to week 18**

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



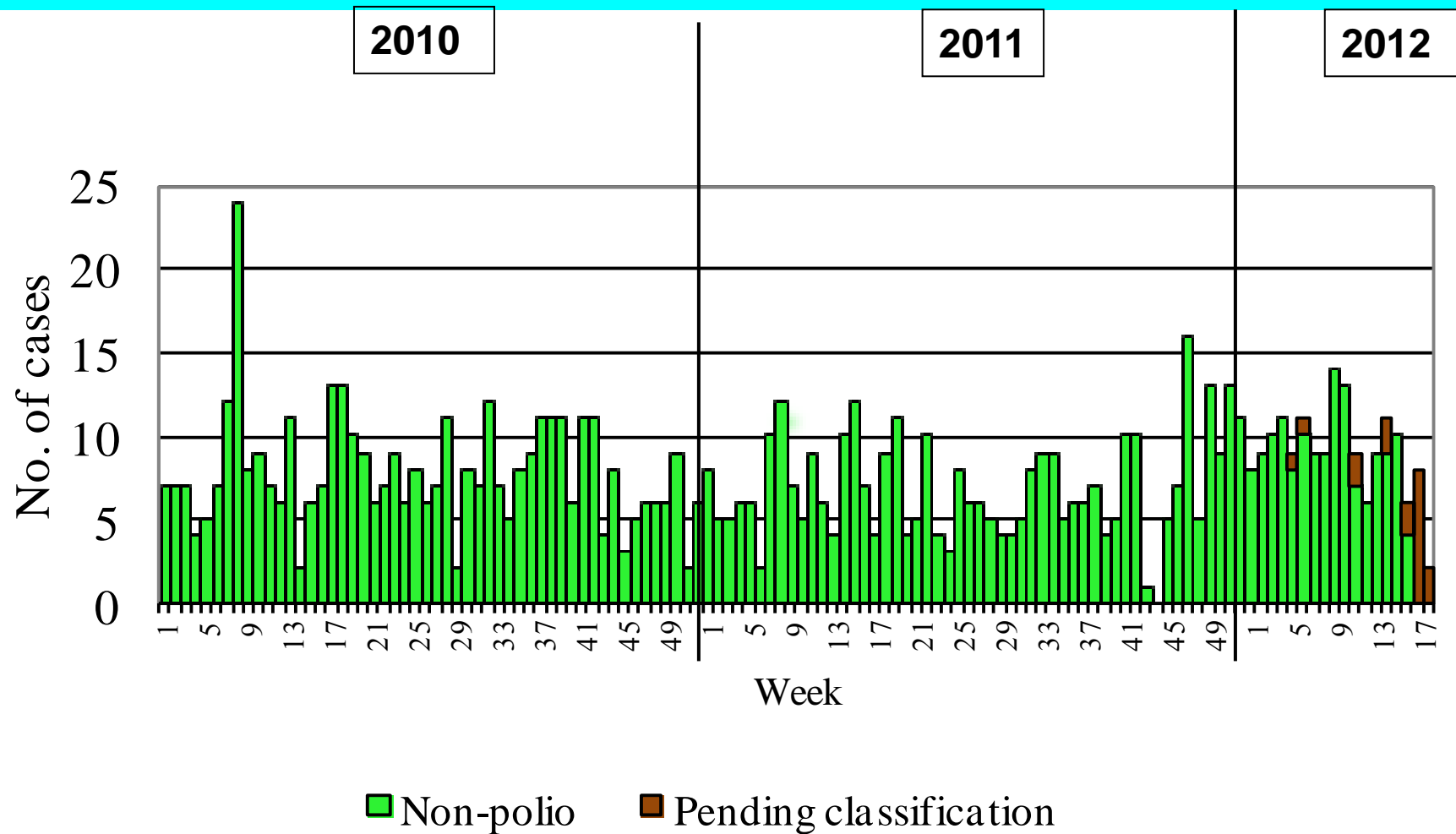
***Up to week 18**

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 18

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

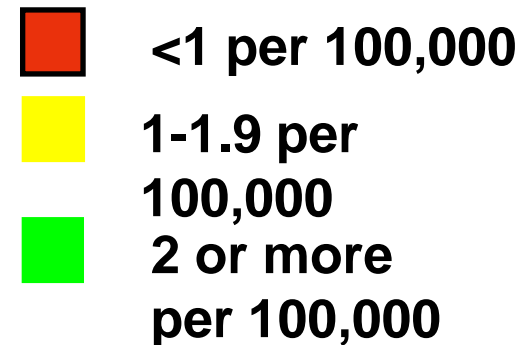


*Up to week 18

Map 3. Non-polio AFP rate by state, 2011 up to W18



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W18



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W18



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W18

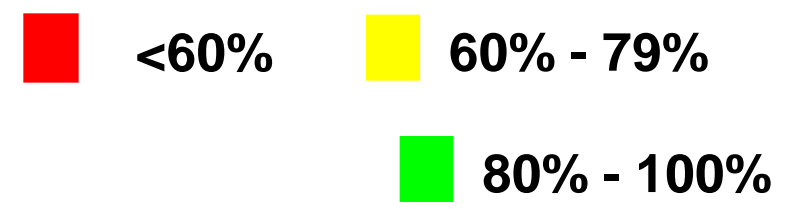


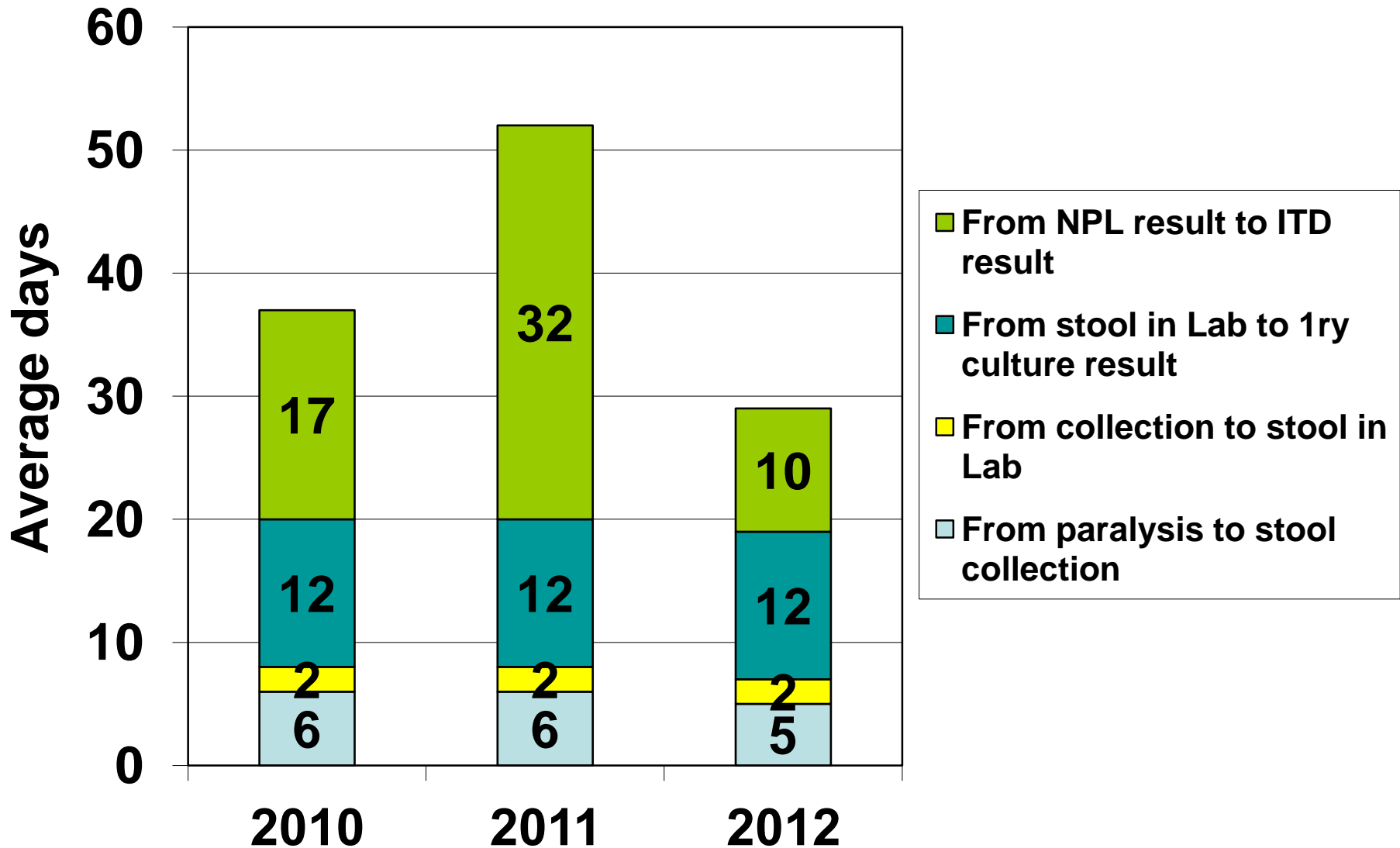
Table 2. National polio lab performance indicators 2010-2012 up to week 18

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	142	118	159
Cases with wild polioviruses	0	0	0
Cases with non-polio enterovirus	12%	13%	18%
SL viruses No. & (%) from AFP cases	1(1%)	1(2.8%)	2(1.3%)
Median days from the time of samples received in the lab to primary culture report or L20B result	12 days	14 days	12days
Number of samples from the AFP contacts tested in the NPL	41	74	103
Contacts with non-polio enterovirus	6%	2%	16%
Sabin like viruses No. & (%) from contacts	0	4(8.5%)	1(1%)
Wild polioviruses from contacts	0	0	0

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 nd sample	Arrival within 3 days of being sent from the 2 nd sample
2010 up to week 18	142	16	0	111	15	12%	98%	89%	99%
2011 up to week 18	118	20	2	84	12	12%	73%	83%	100%
2012 up to week 18	159	13	0	120	26	17.8 %	95.8%	85%	99%

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



*Up to week 18