



World Health
Organization

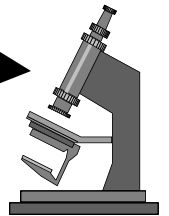
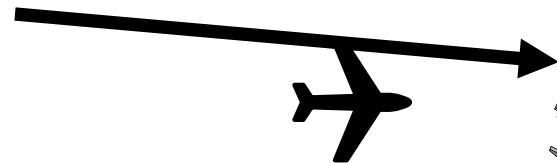
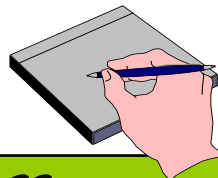
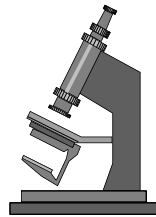
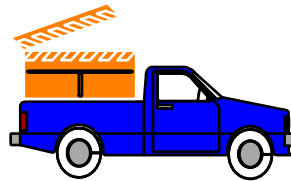
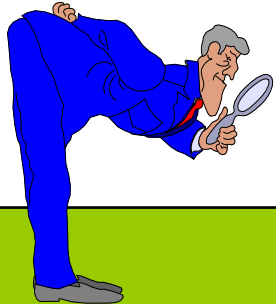


Republic of Sudan



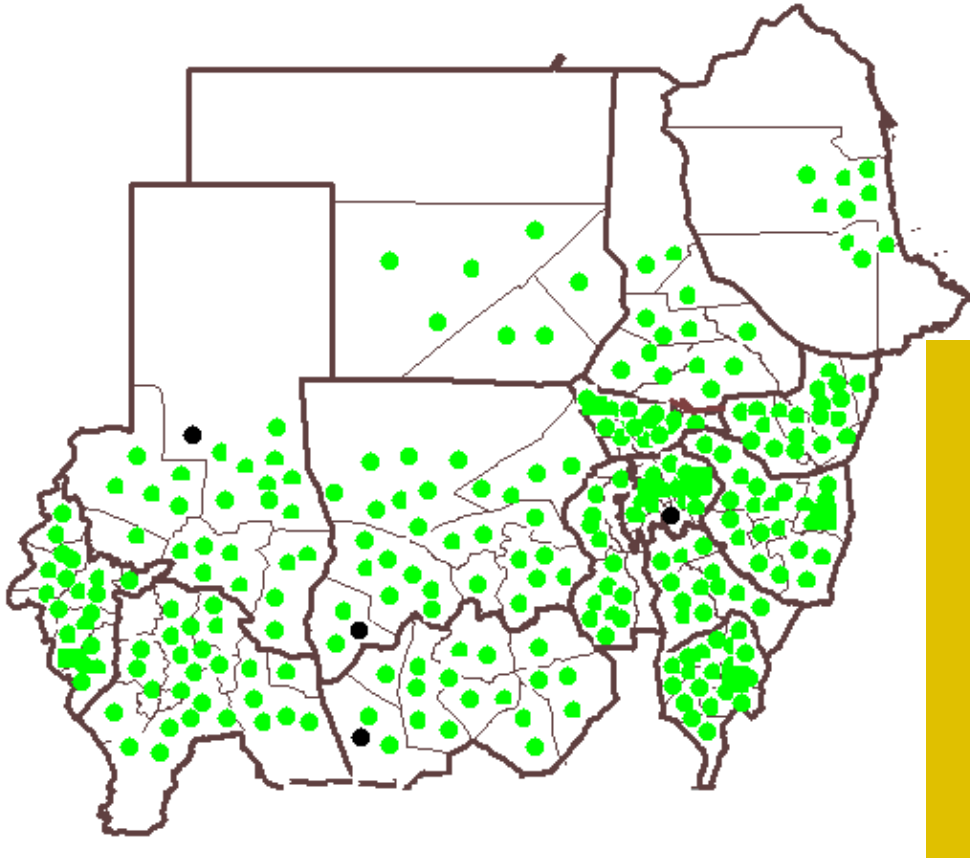
**Weekly AFP surveillance report
week 5**

Ending on 5 February 2012

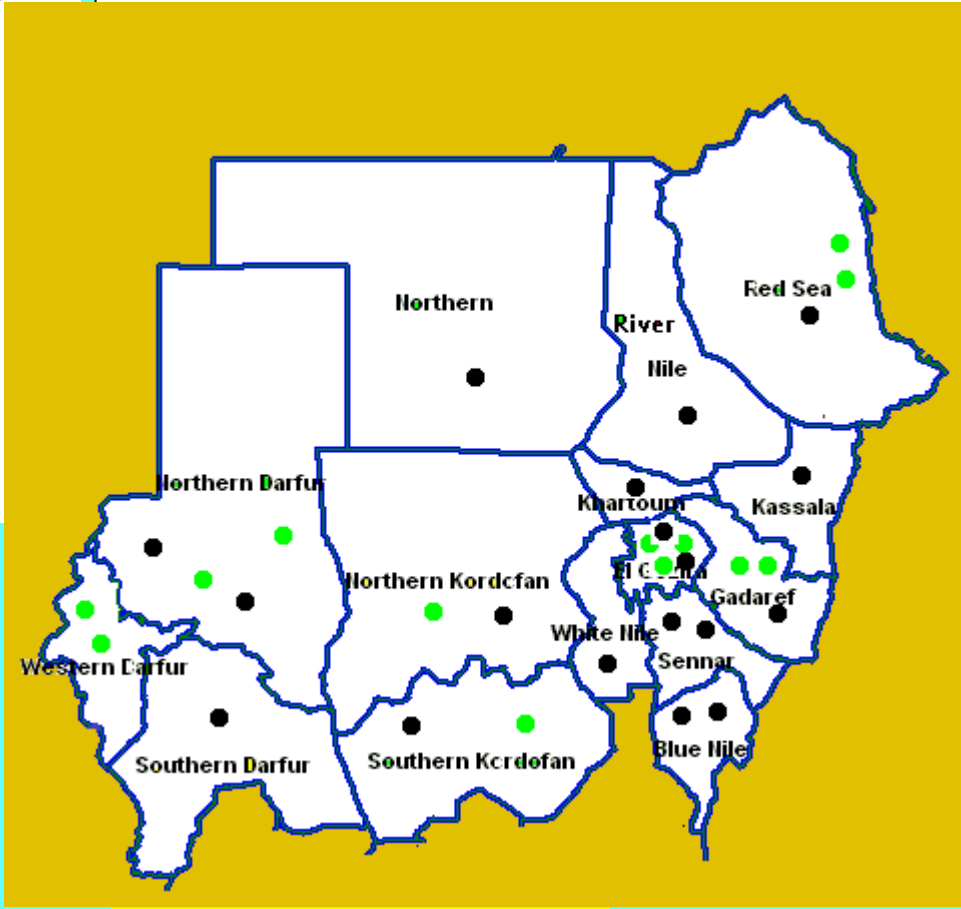


AFP Surveillance central unit

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



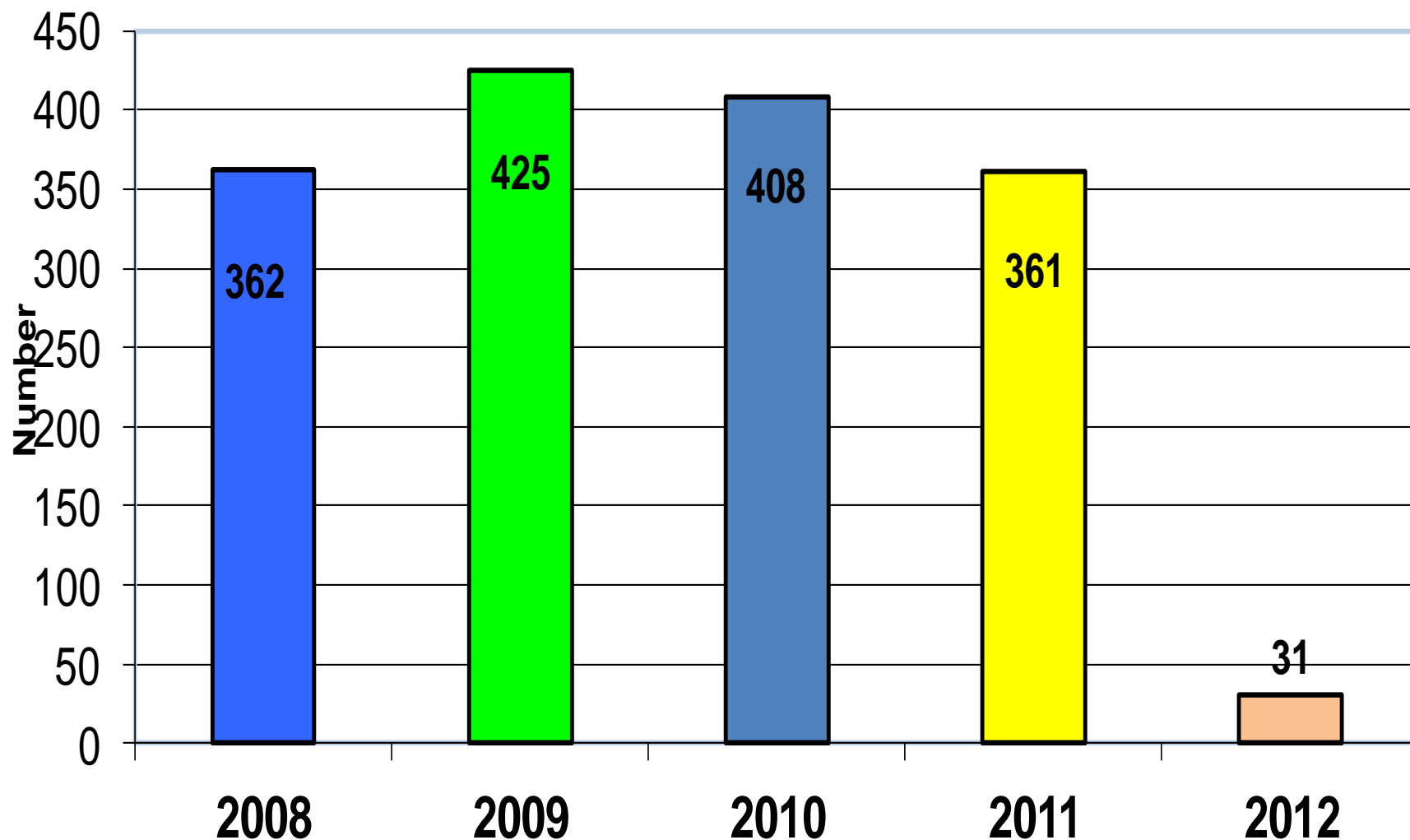
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



- Non-polio AFP
- Pending classification

***Up to week 5, 2012**

**Fig. 1: Total AFP cases
Sudan, 2008-2011**



***Up to week 5, 2012**

Fig. 2: Total AFP cases by classification, Sudan, 2011

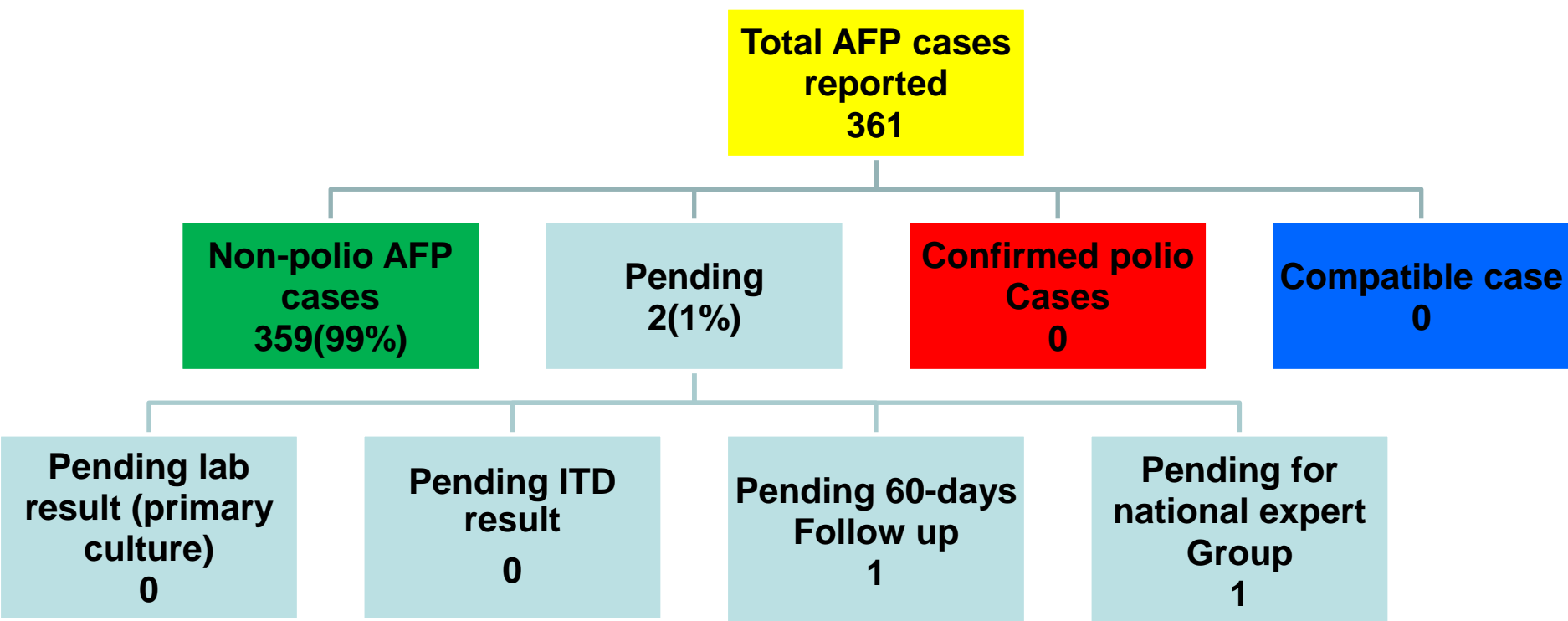
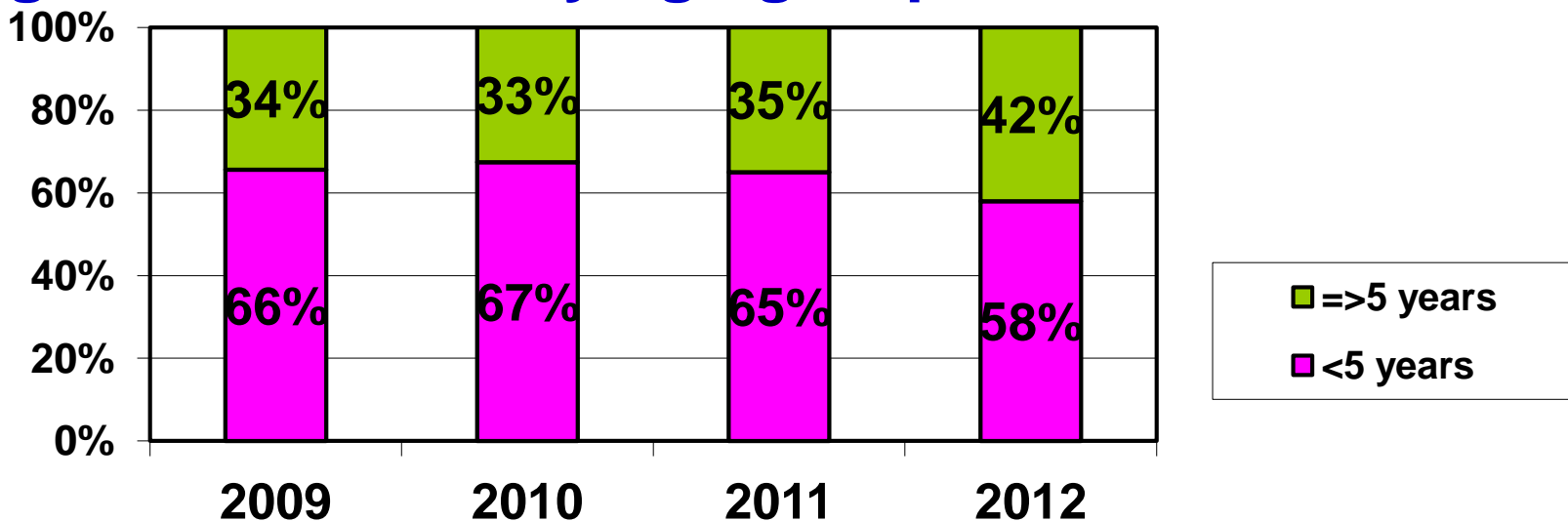


Fig. 3: AFP cases by age group, 2009 – 2012*



*Up to week 5, 2012

Fig. 4: AFP cases by sex 2009 – 2012*

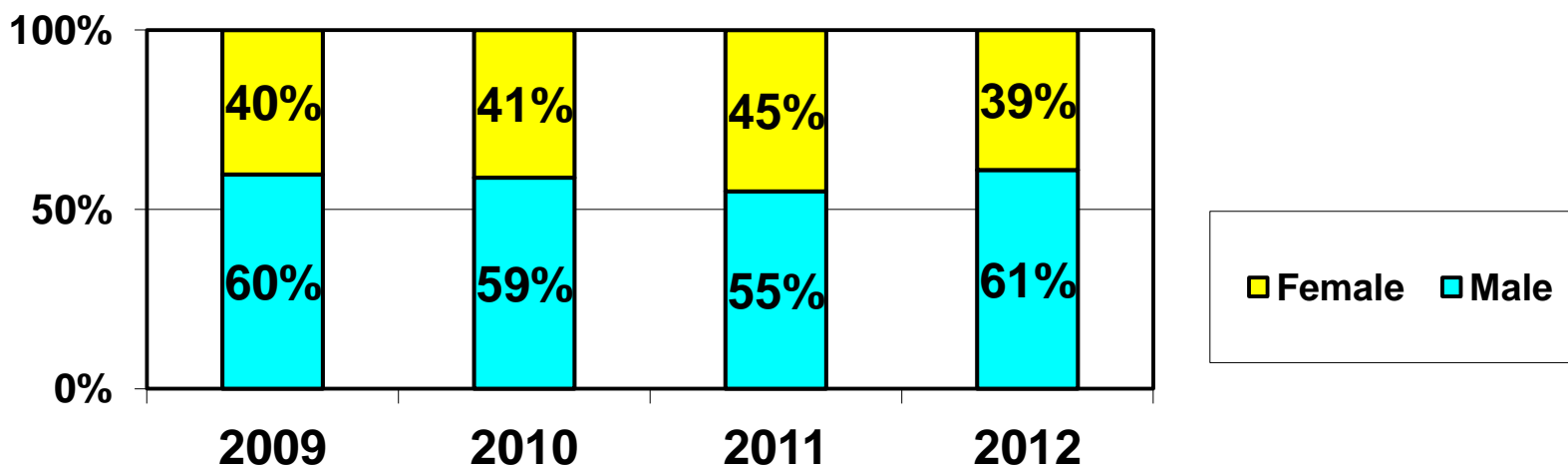


Fig. 5: Percent distribution of AFP cases by time of detection, 2011

N = 361 AFP cases

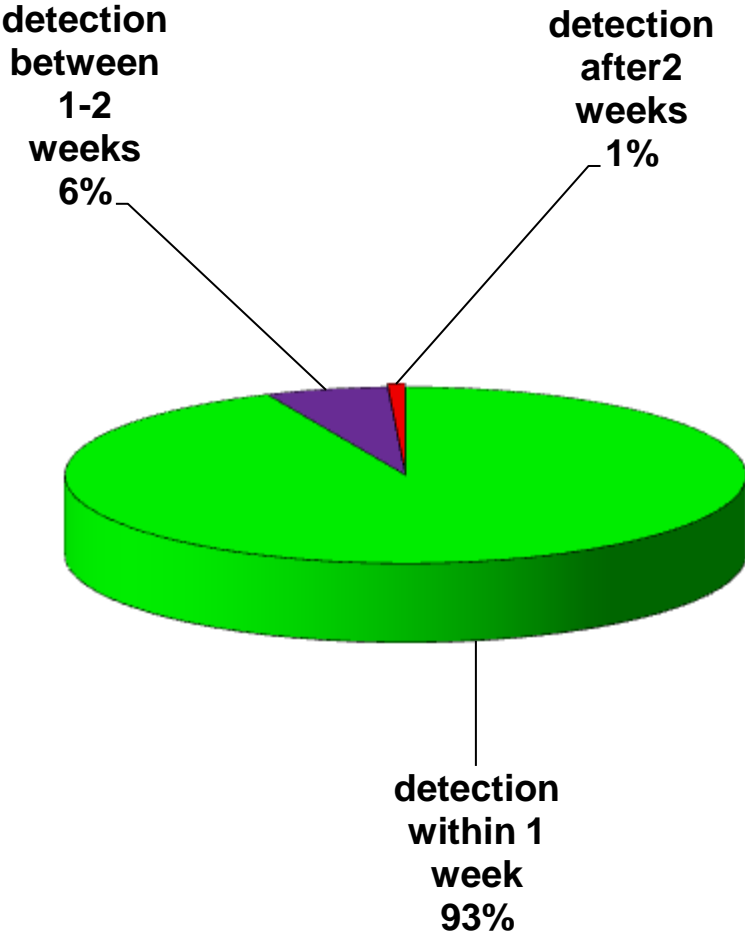
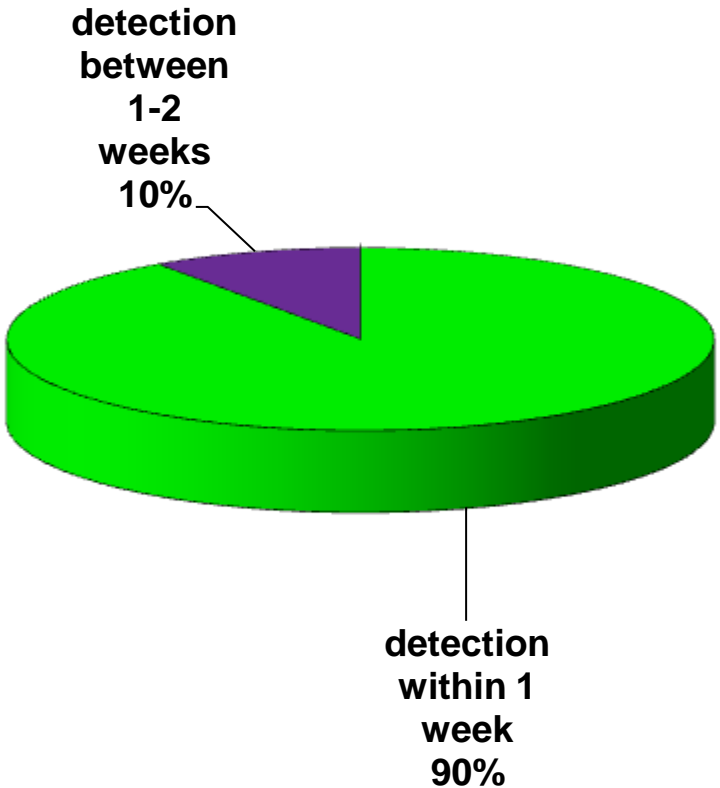


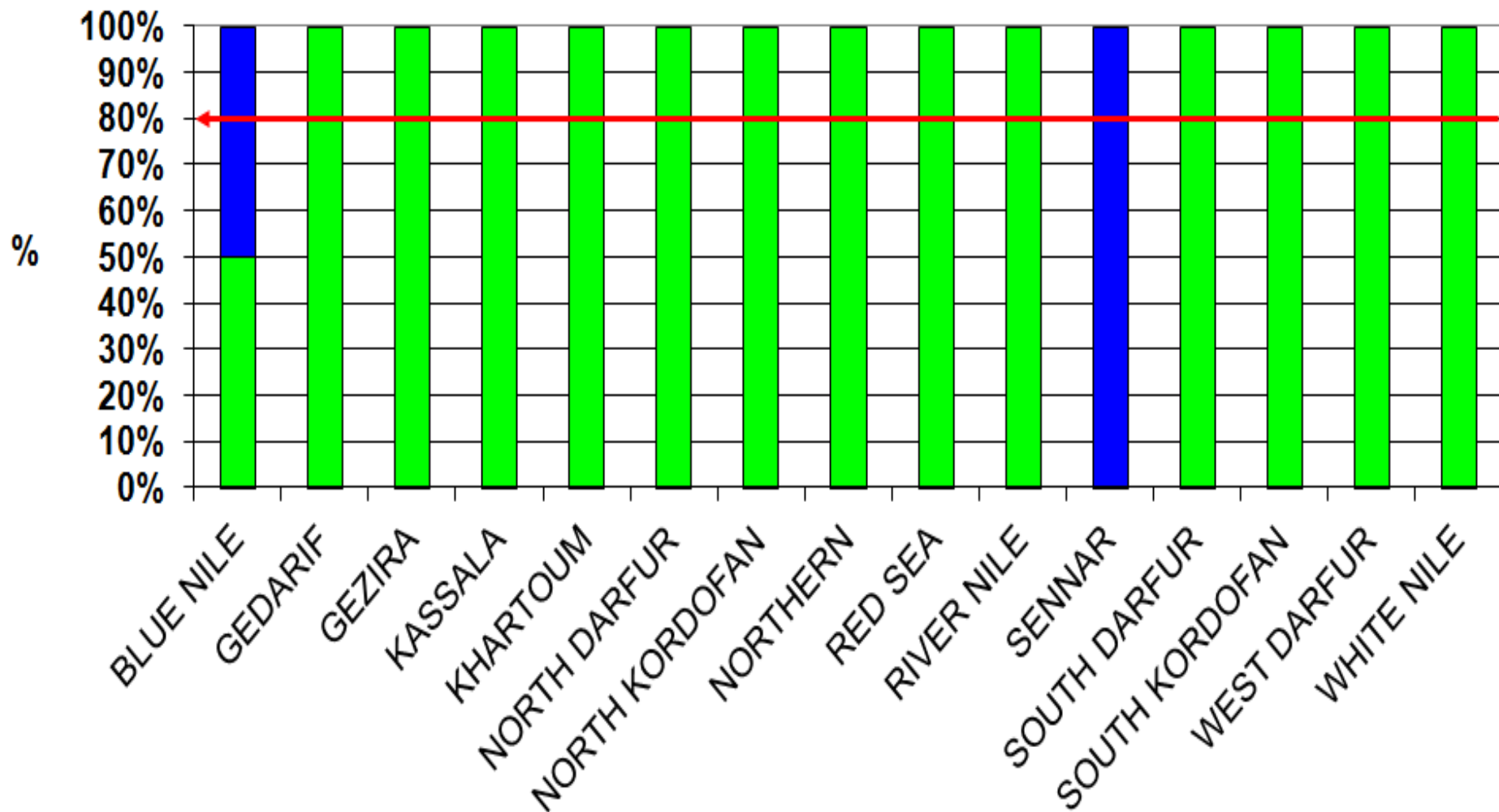
Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 31 AFP cases



***Up to week 5, 2012**

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



*Up to week 5, 2012

■ Early detection ■ Moderate detection ■ Late detection

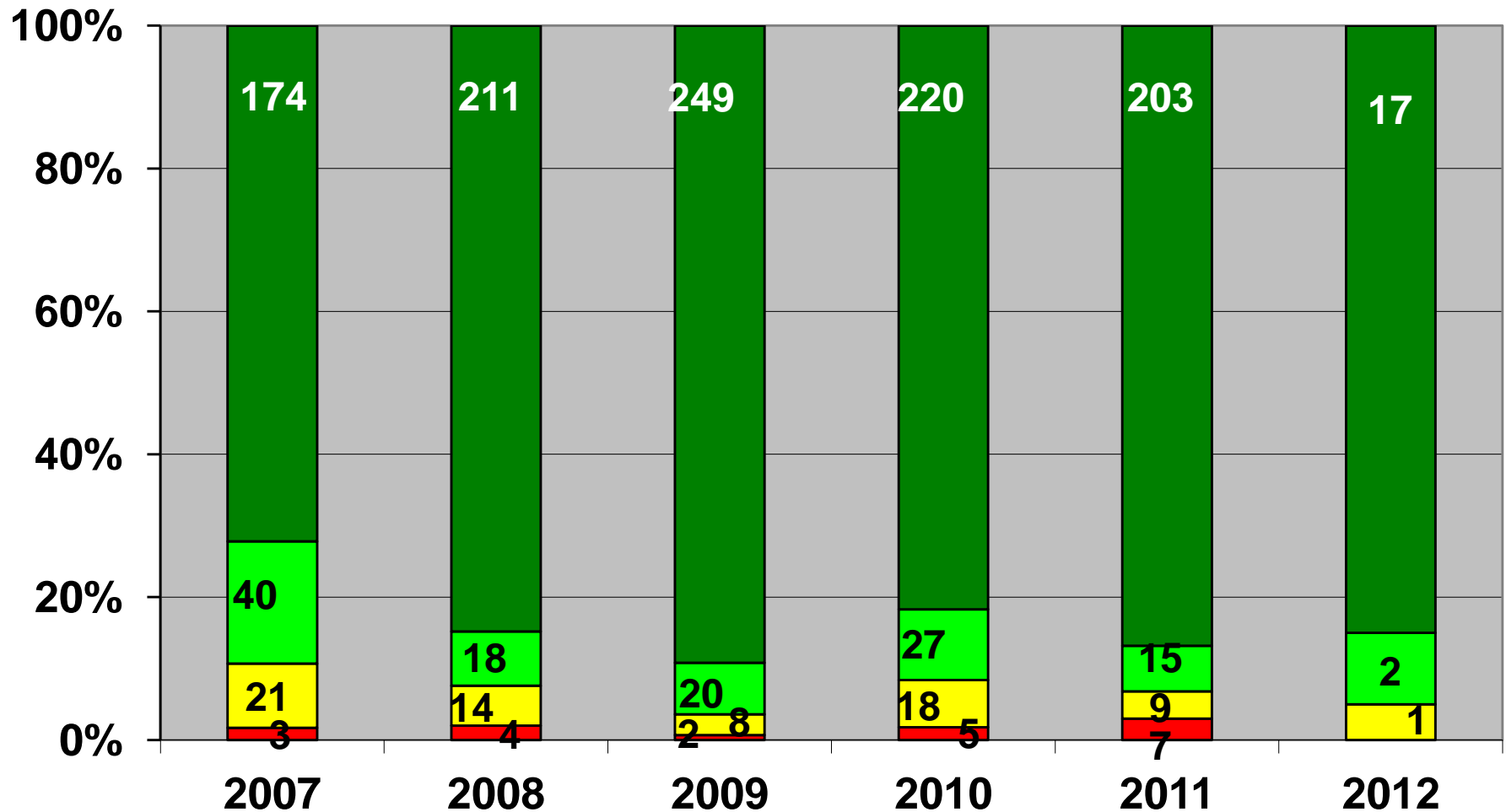
Table 1. Major AFP surveillance performance indicators, 2011

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	365,591	23	23	0	0	0	100%	6.3	13%
Gedarif	860,364	25	25	0	0	0	96%	2.9	8%
Gezira	1,921,077	39	38	1	0	0	92%	2.0	21%
Kasala	836,195	21	21	0	0	0	100%	2.5	19%
Khartom	2,401,033	54	54	0	0	0	100%	2.2	19%
N.Darf	863,045	25	24	1	0	0	96%	2.9	17%
N.Kord	1,262,262	37	37	0	0	0	95%	2.9	8%
Northern	267,256	7	7	0	0	0	100%	2.6	29%
Red Sea	330,018	9	9	0	0	0	100%	2.7	22%
River Nile	461,734	14	14	0	0	0	93%	3.0	14%
Sennar	717,437	14	14	0	0	0	100%	2.0	7%
S.Darfur	1,747,110	27	27	0	0	0	96%	1.5	22%
S. Kord	960,789	22	22	0	0	0	95%	2.3	14%
W.Darfur	949,143	23	23	0	0	0	96%	2.4	9%
W. Nile	834,567	21	21	0	0	0	100%	2.5	10%
Total	14,777,621	361	359	2	0	0	97%	2.4	15%

Table 2. Major AFP surveillance performance indicators, up to week 5, 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	2	0	2	0	0	100%	4.6	0%
Gedarif	887,810	3	2	1	0	0	67%	3.5	33%
Gezira	1,974,675	5	3	2	0	0	100%	2.6	33%
Kasala	857,183	1	0	1	0	0	100%	1.2	0%
Khartom	2,489,151	1	1	0	0	0	100%	0.4	0%
N.Darf	890,317	4	2	2	0	0	100%	4.7	0%
N.Kord	1,281,448	2	1	1	0	0	100%	1.6	0%
Northern	271,479	1	0	1	0	0	100%	3.8	0%
Red Sea	331,008	3	1	2	0	0	100%	9.4	0%
River Nile	470,091	1	0	1	0	0	100%	2.2	0%
Sennar	735,588	2	0	2	0	0	100%	2.8	0%
S.Darfur	1,806,686	1	0	1	0	0	100%	0.6	0%
S. Kord	974,048	2	1	1	0	0	100%	2.1	0%
W.Darfur	971,638	2	2	0	0	0	100%	2.1	0%
W. Nile	855,181	1	0	1	0	0	100%	1.2	0%
Total	15,247,822	31	13	18	0	0	97%	2.1	14%

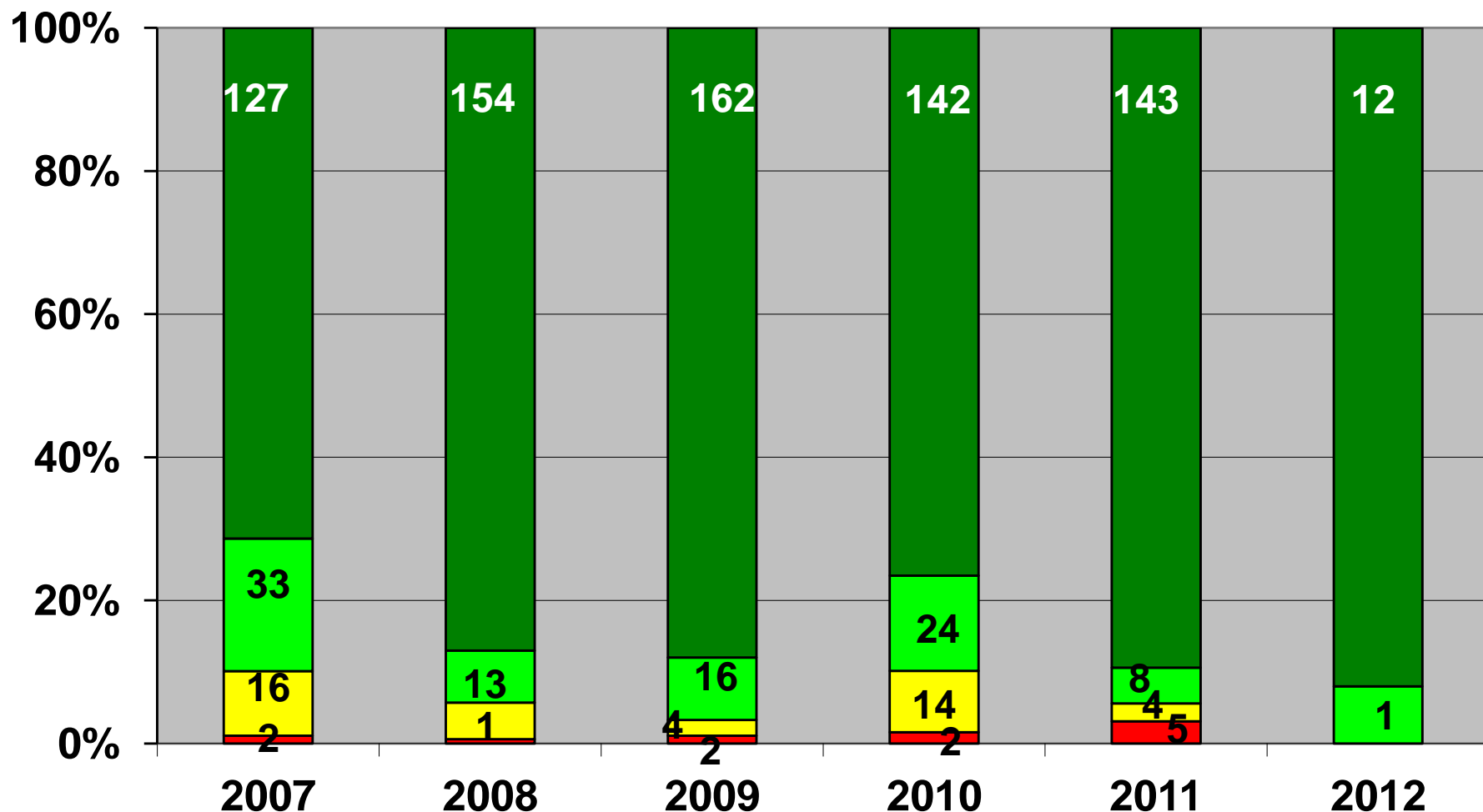
Fig. 8: Percent distribution of AFP cases < 60 months by number of OPV doses, 2007-2012*



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

*Up to week 5, 2012

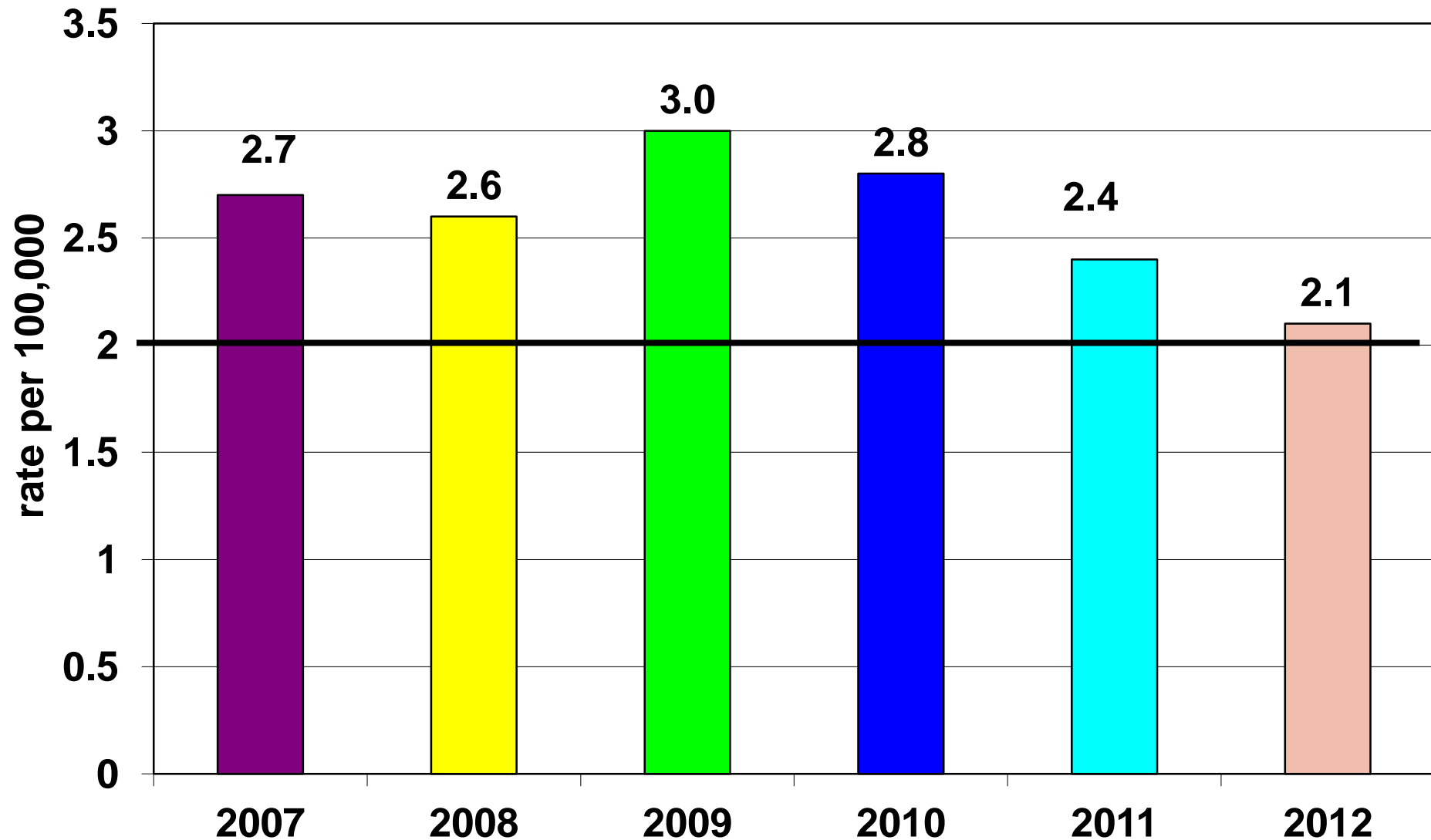
Fig. 9: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012*



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

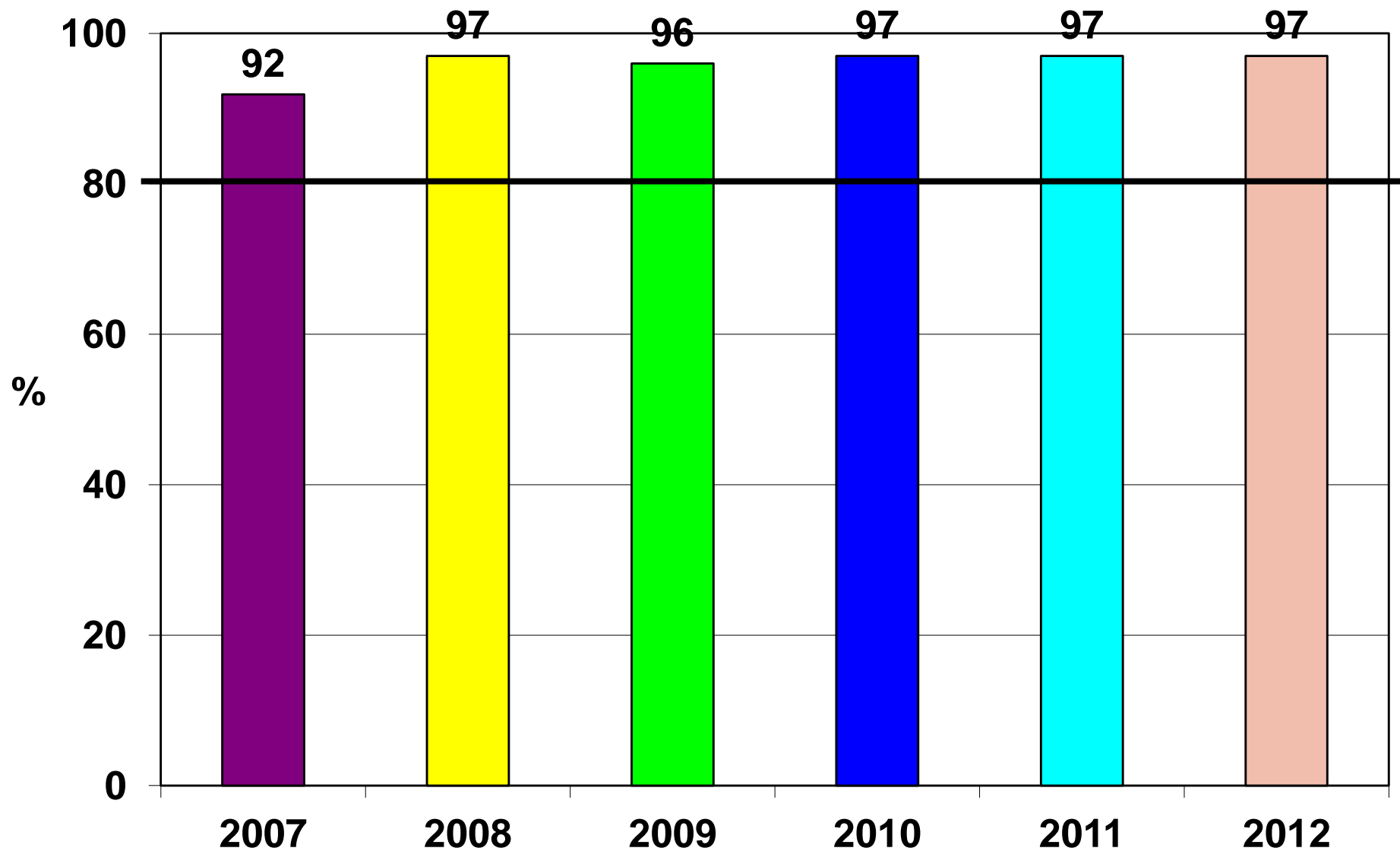
***Up to week 5, 2012**

Fig. 10: Non-Polio AFP rate per 100,000 children under 15 years of age, 2007 – 2012*



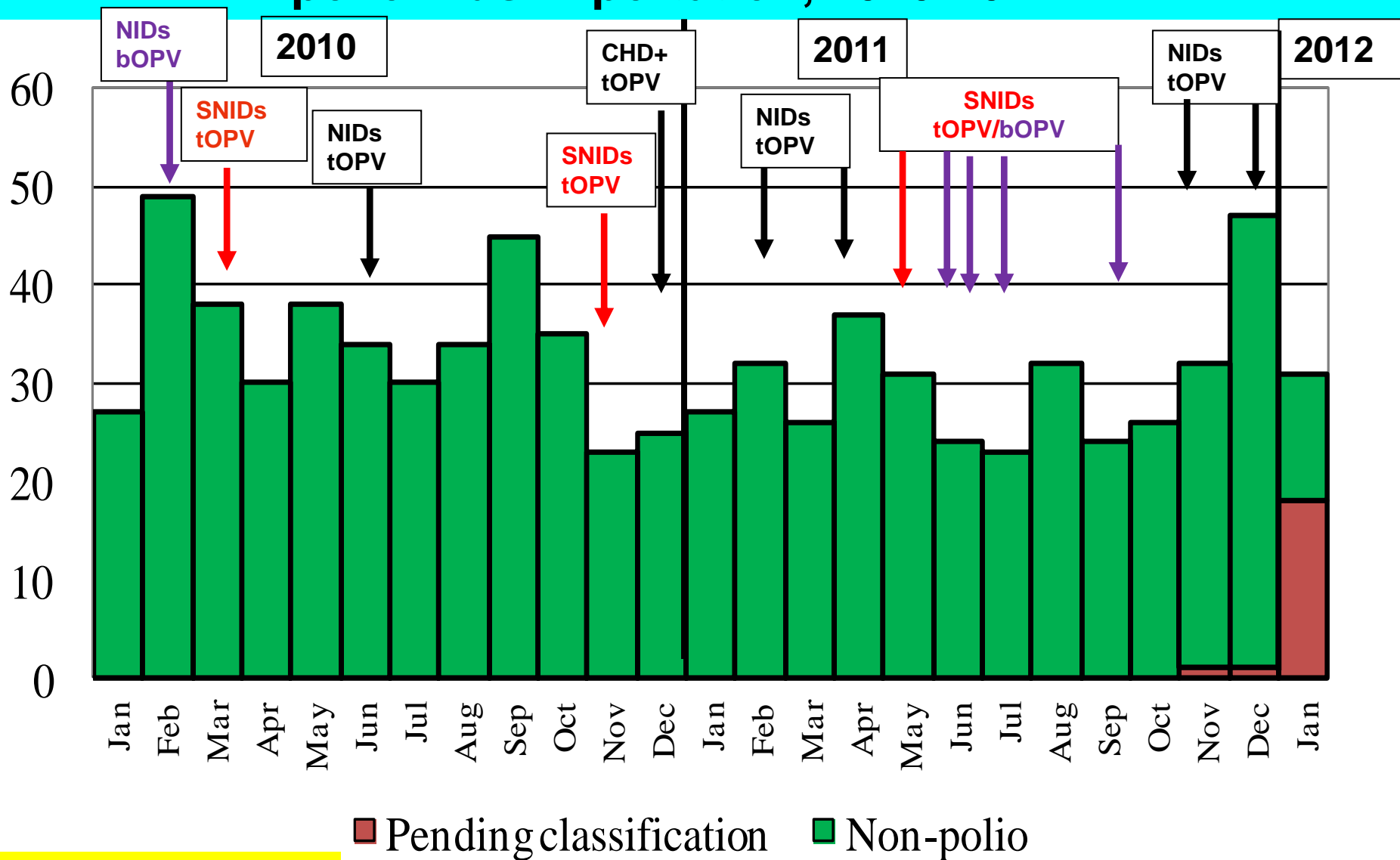
***Up to week 5, 2012**

Fig. 11: Adequate stool collection rate, 2007 – 2012*



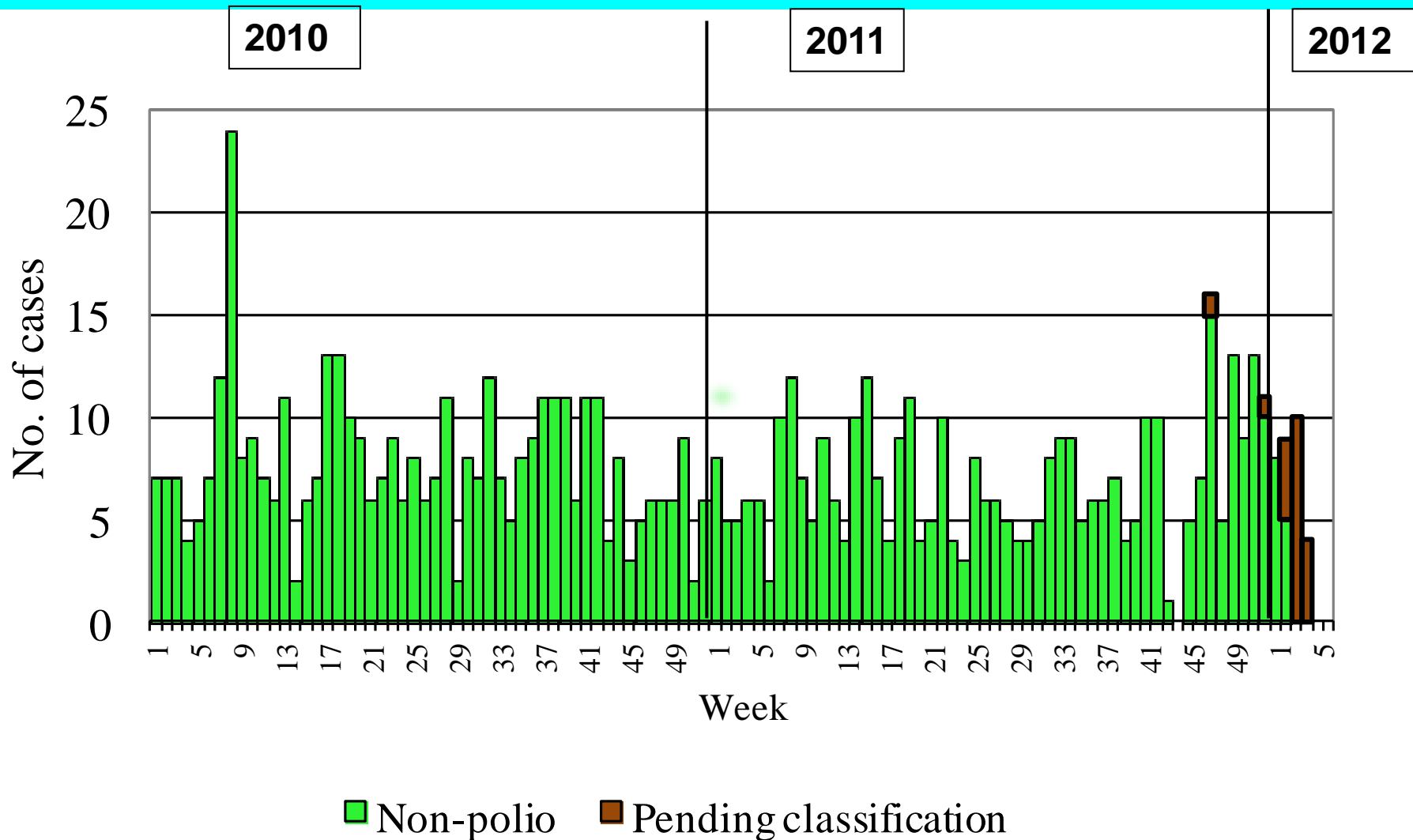
***Up to week 5, 2012**

Fig 12. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012*



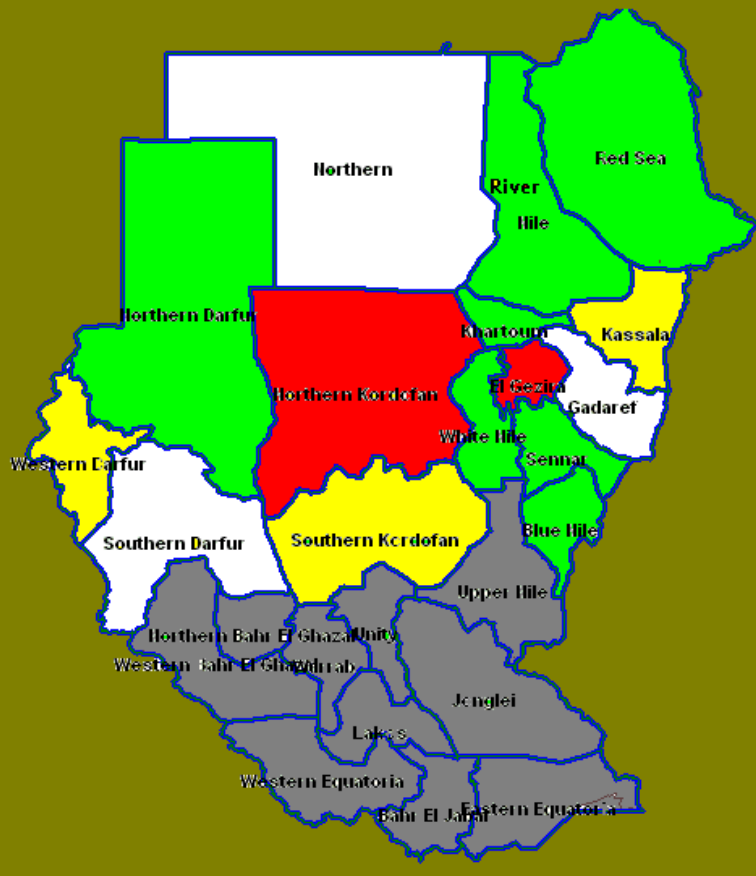
*Up to week 5, 2012

Fig 12. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012*

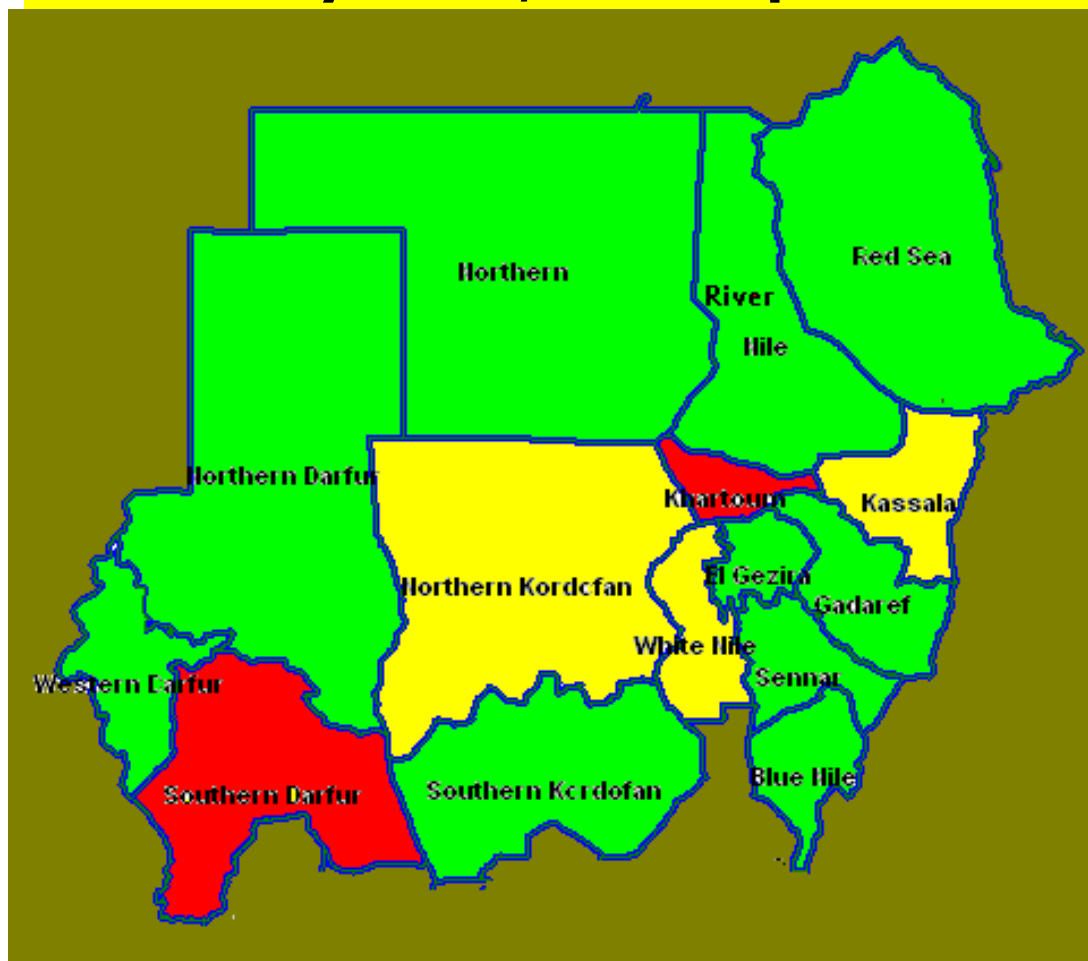


*Up to week 5, 2012

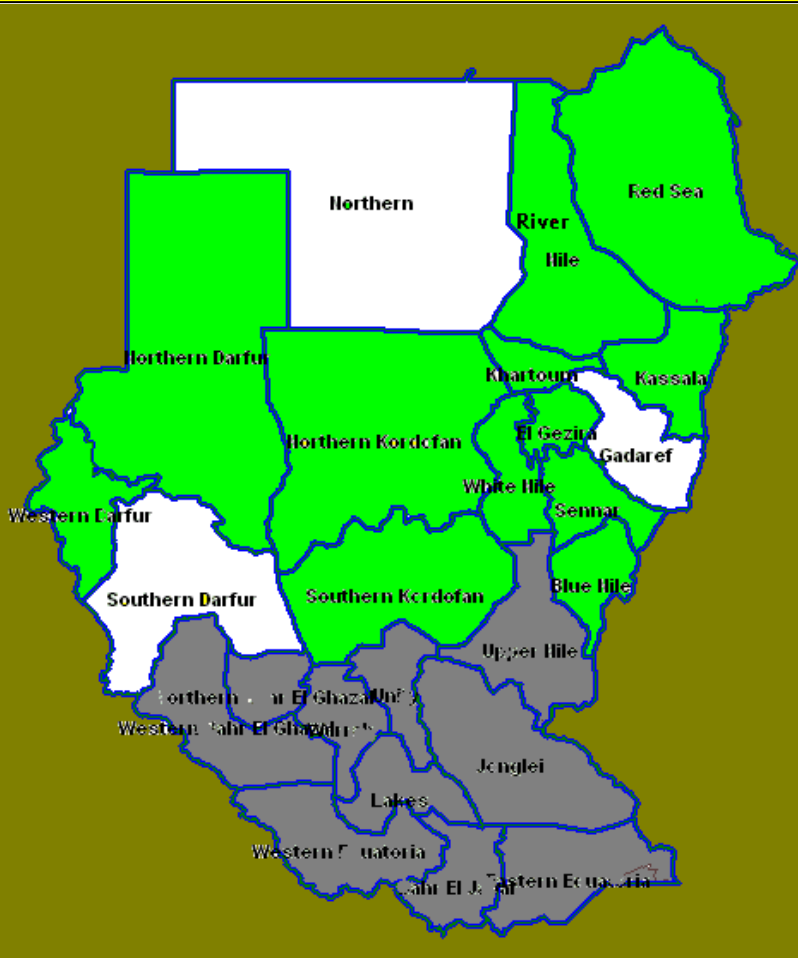
Map 3. Non-polio AFP rate by state, 2011 up to W5



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W5



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W5



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W5



■ <60% ■ 60% - 79%
 No cases ■ 80% - 100%

Table 2. National polio lab performance indicators 2010-2012 up to week 5

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	25	23	31
Cases with wild polioviruses	0	0	0
Cases with non-polio enterovirus	25%	8%	14%
SL viruses No. & (%) from AFP cases	0	0	0
Median days from the time of samples received in the lab to primary culture report or L20B result	12 days	12 days	11 days
Number of samples from the AFP contacts tested in the NPL	11	9	24
Contacts with non-polio enterovirus	9%	0%	12%
Sabin like viruses No. & (%) from contacts	0	0%	0
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 5	25	9	0	12	4	25%	100%	96%	100%
2011 up to week 5	23	10	0	12	1	8%	100%	96%	100%
2012 up to week 5	31	17	0	12	7	14%	92%	80.7%	100%

Fig. 14: AFP Specimens' median timeliness NPL 2010-2011

