



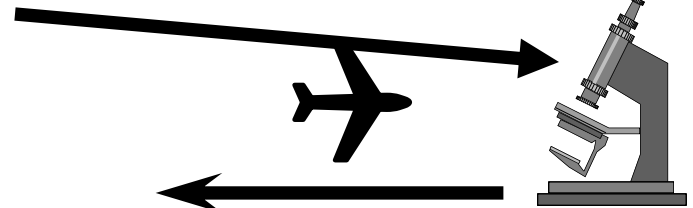
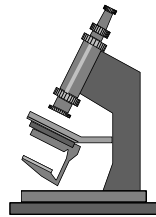
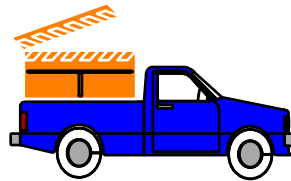
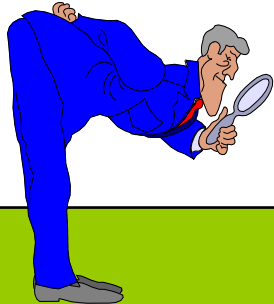
World Health
Organization



Republic of Sudan

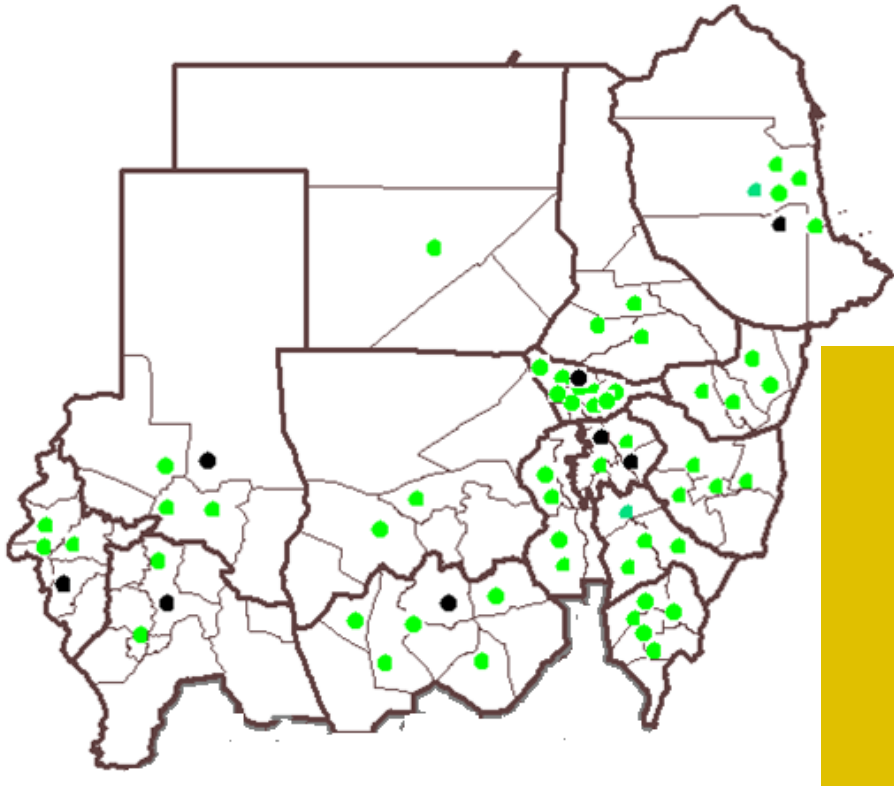


**Weekly AFP surveillance report
week 11
Ending on 18 March 2012**

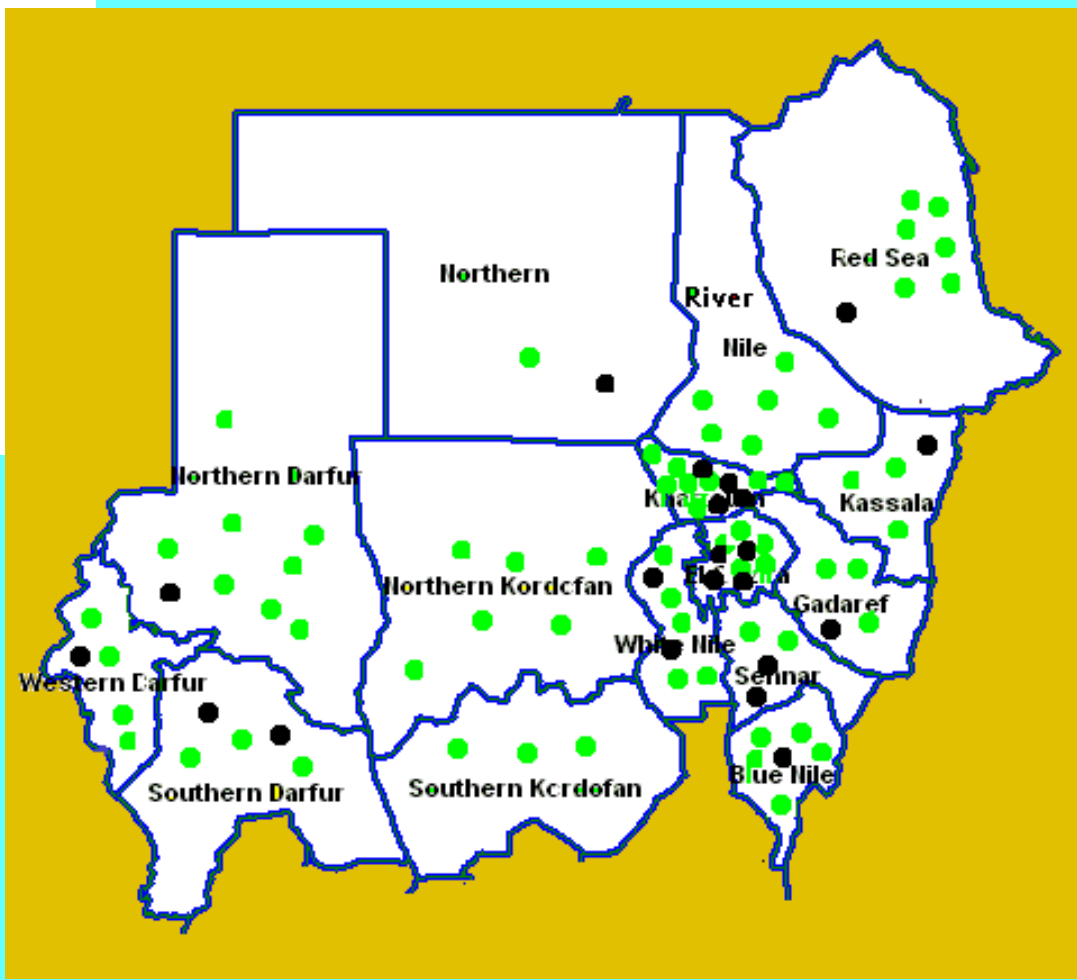


AFP Surveillance central unit

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



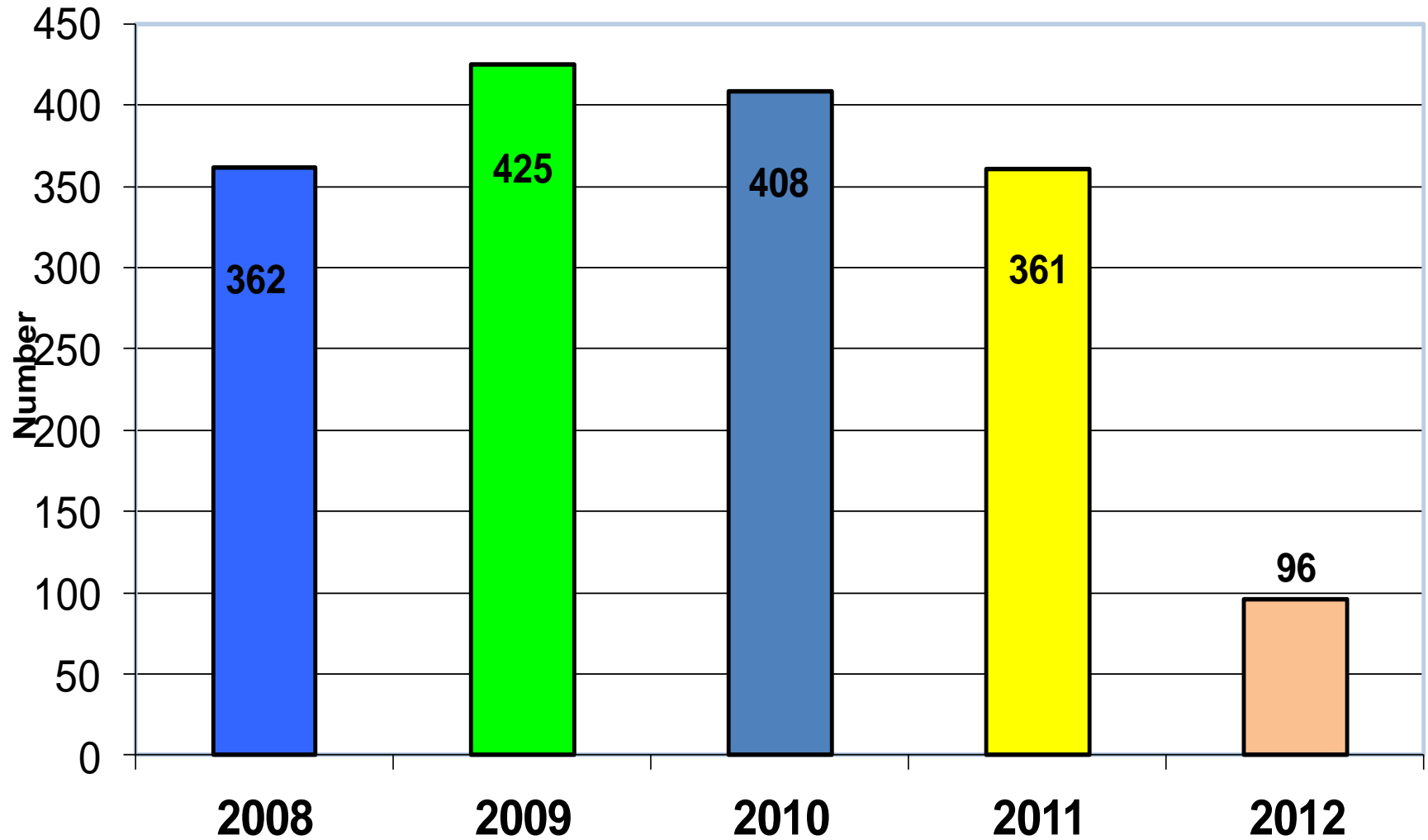
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



● Non-polio AFP
● Pending classification

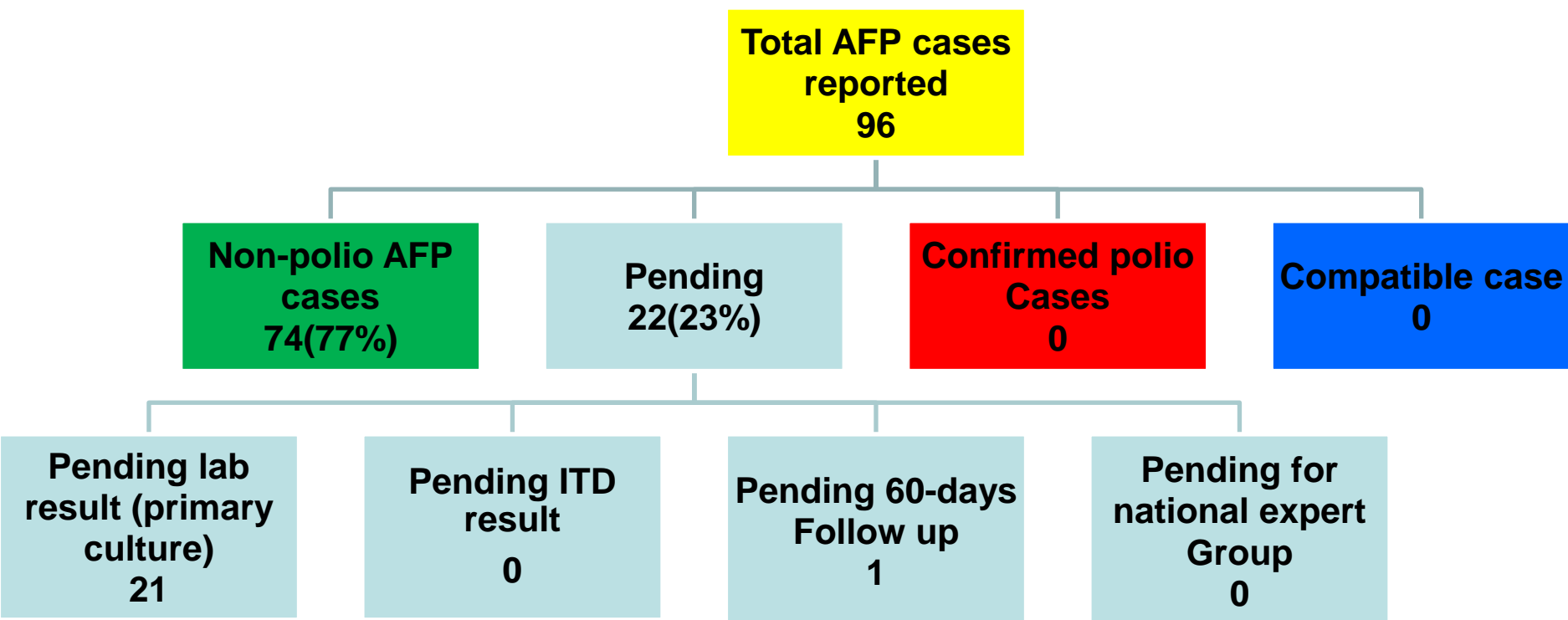
***Up to week 11**

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



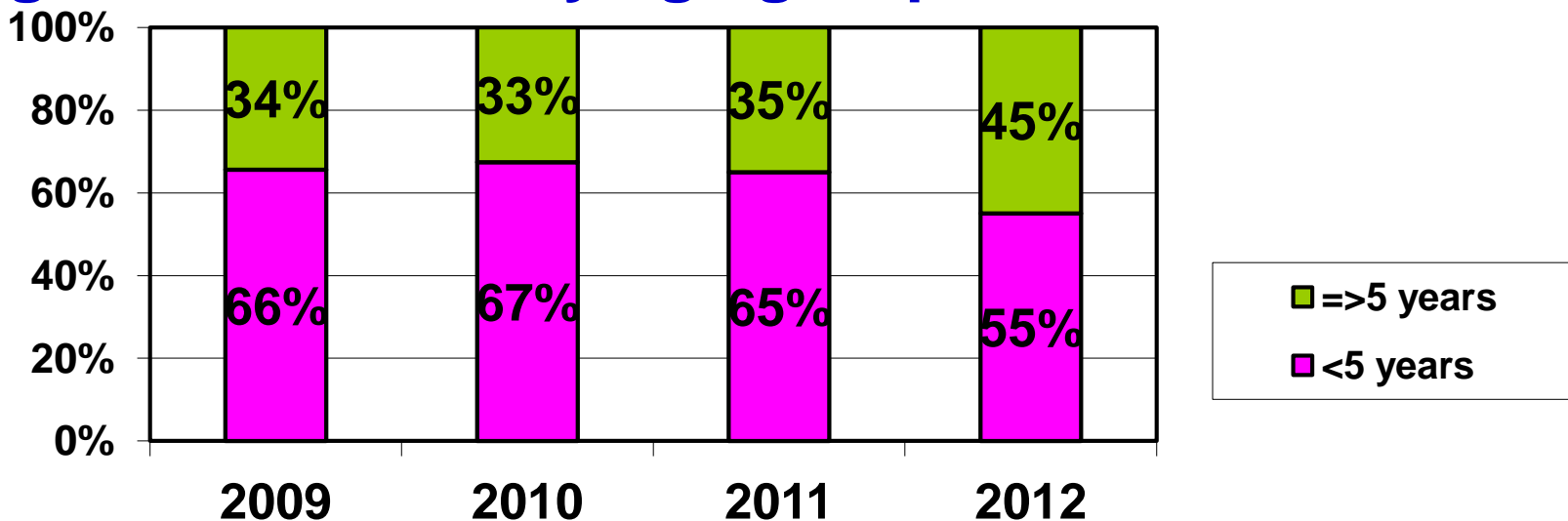
***Up to week 11, 2012**

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



***Up to week 11, 2012**

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



*Up to week 11, 2012

Fig. 4: AFP cases by sex 2009 – 2012*

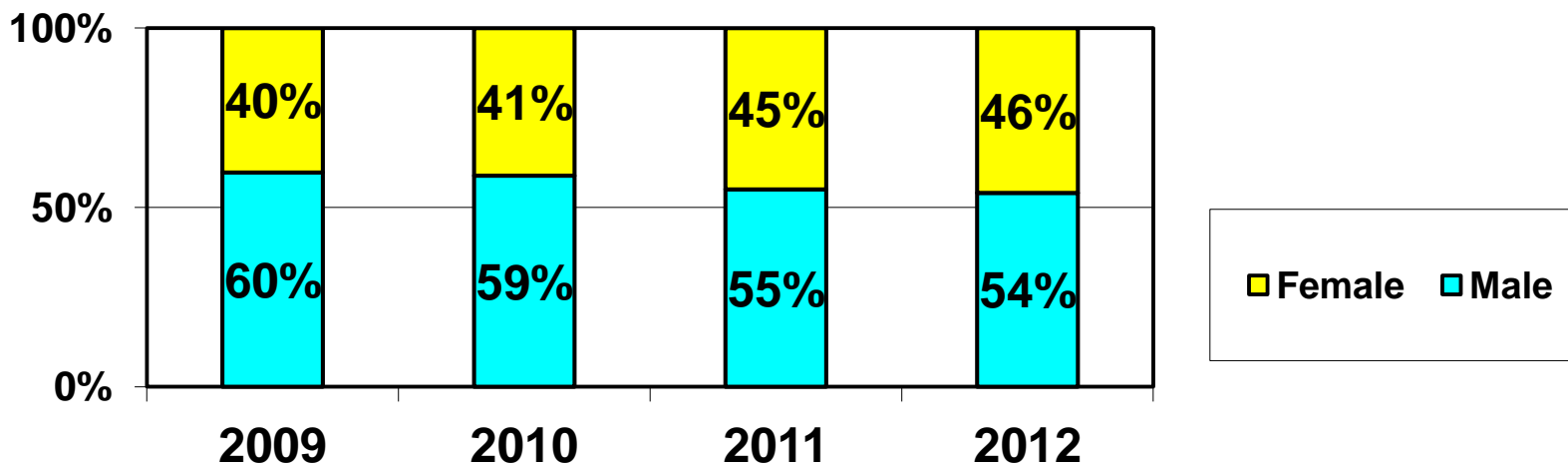


Fig. 5: Percent distribution of AFP cases by time of detection, 2011*

N = 64 AFP cases

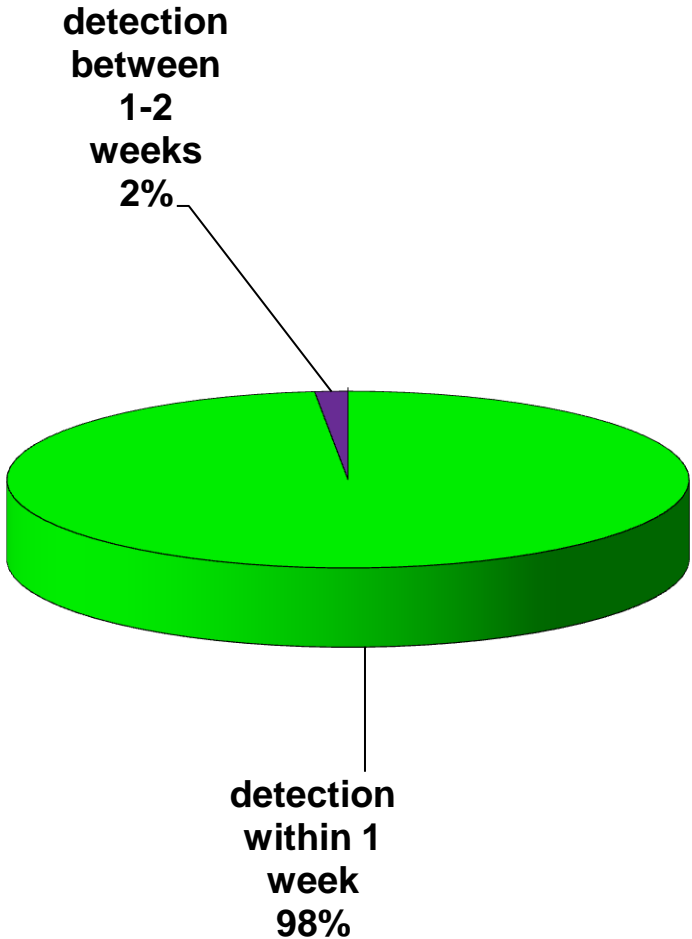
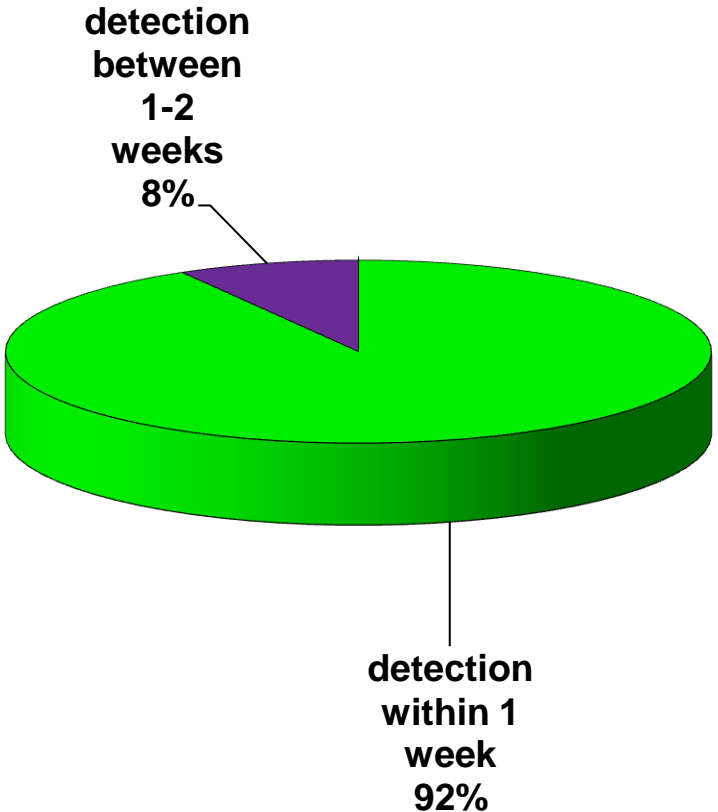


Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 96 AFP cases



***Up to week 11**

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

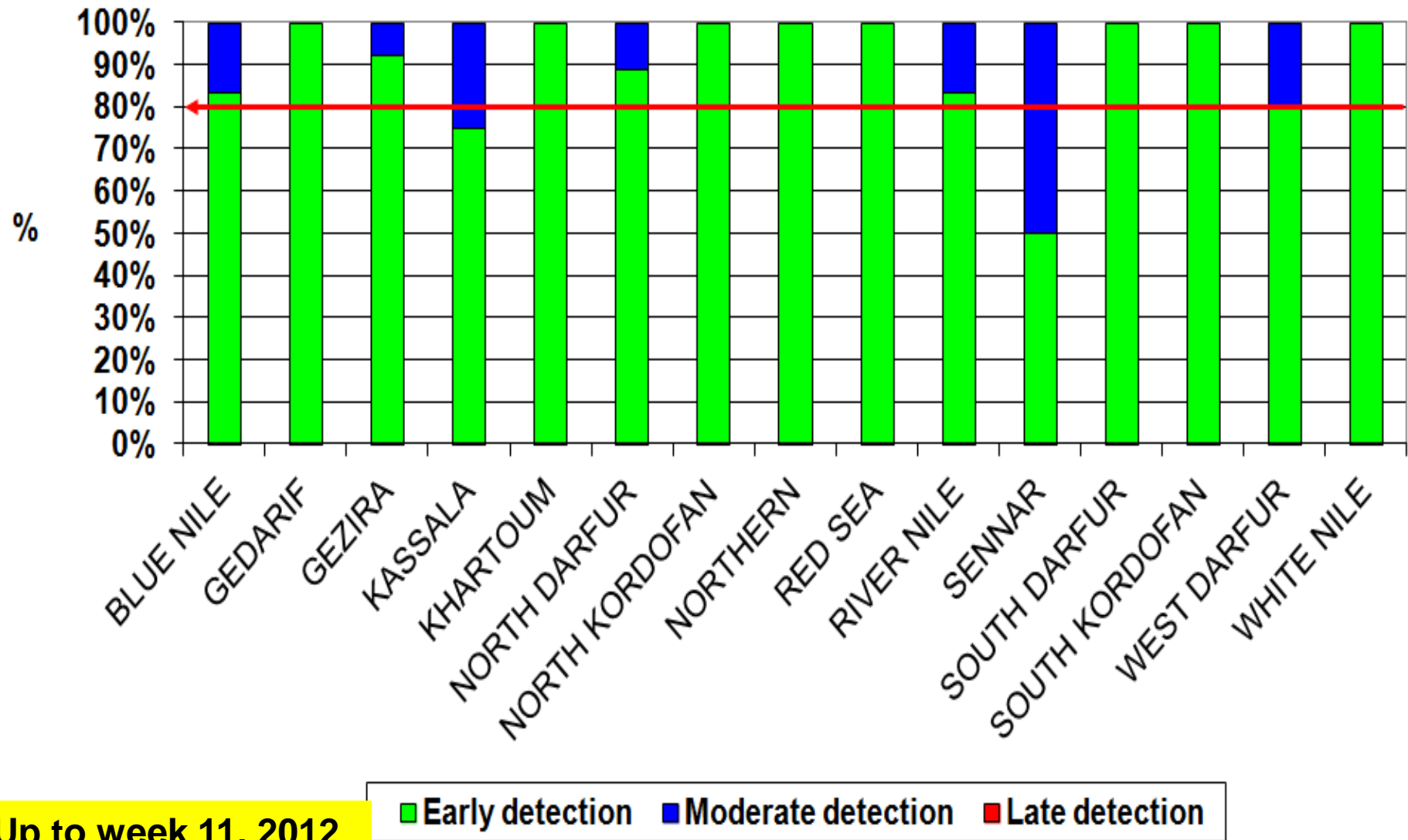
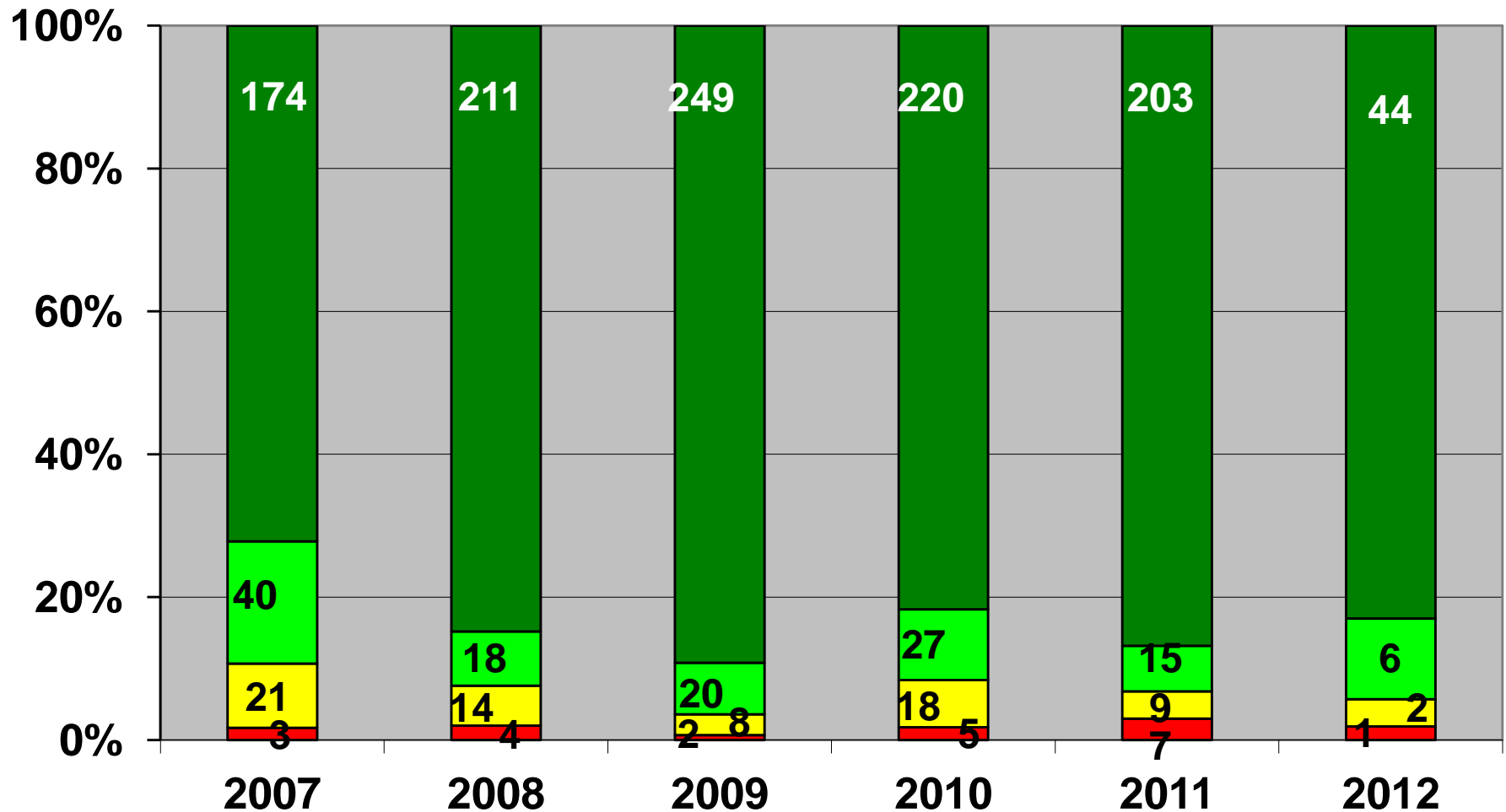


Table 1. Major AFP surveillance performance indicators, up to week 11, 2012

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	6	5	1	0	0	100%	6.3	33%
Gedarif	887,810	4	3	1	0	0	75%	2.1	33%
Gezira	1,974,675	13	9	4	0	0	100%	3.1	33%
Kasala	857,183	4	2	2	0	0	100%	2.2	0%
Khartom	2,489,151	15	11	4	0	0	100%	2.8	20%
N.Darf	890,317	9	8	1	0	0	100%	4.8	22%
N.Kord	1,281,448	6	6	0	0	0	100%	2.2	33%
Northern	271,479	2	1	1	0	0	50%	3.5	50%
Red Sea	331,008	7	6	1	0	0	100%	10.0	0%
River Nile	470,091	6	6	0	0	0	100%	6.0	17%
Sennar	735,588	4	2	2	0	0	100%	2.6	0%
S.Darfur	1,806,686	5	3	2	0	0	80%	1.3	0%
S. Kord	974,048	3	3	0	0	0	100%	1.5	0%
W.Darfur	971,638	5	4	1	0	0	100%	2.4	40%
W. Nile	855,181	7	5	2	0	0	100%	3.9	29%
Total	15,247,822	96	74	22	0	0	97%	3.0	25%

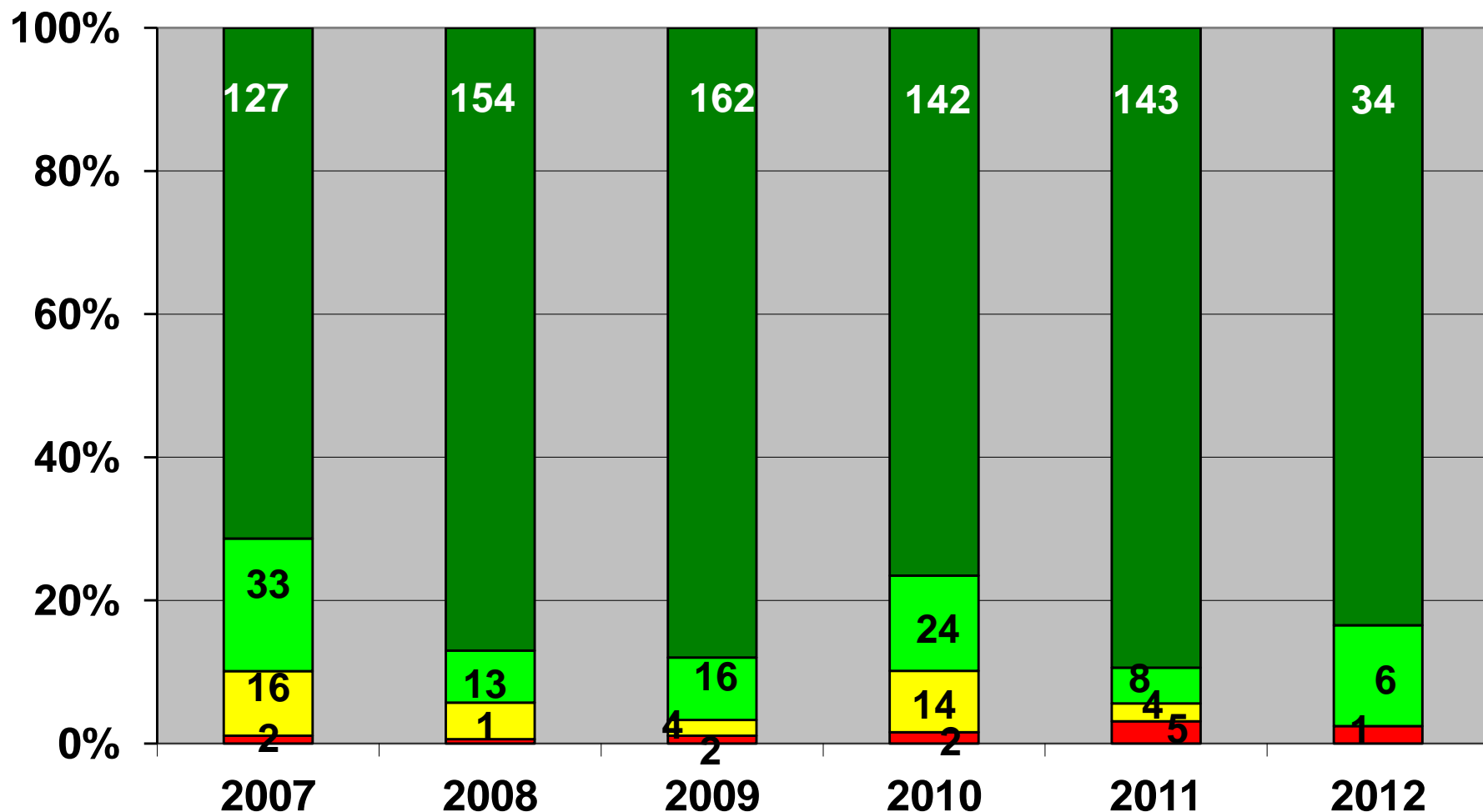
Fig. 8: Percent distribution of AFP cases < 60 months by number of OPV doses, 2007-2012*



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

*Up to week 11, 2012

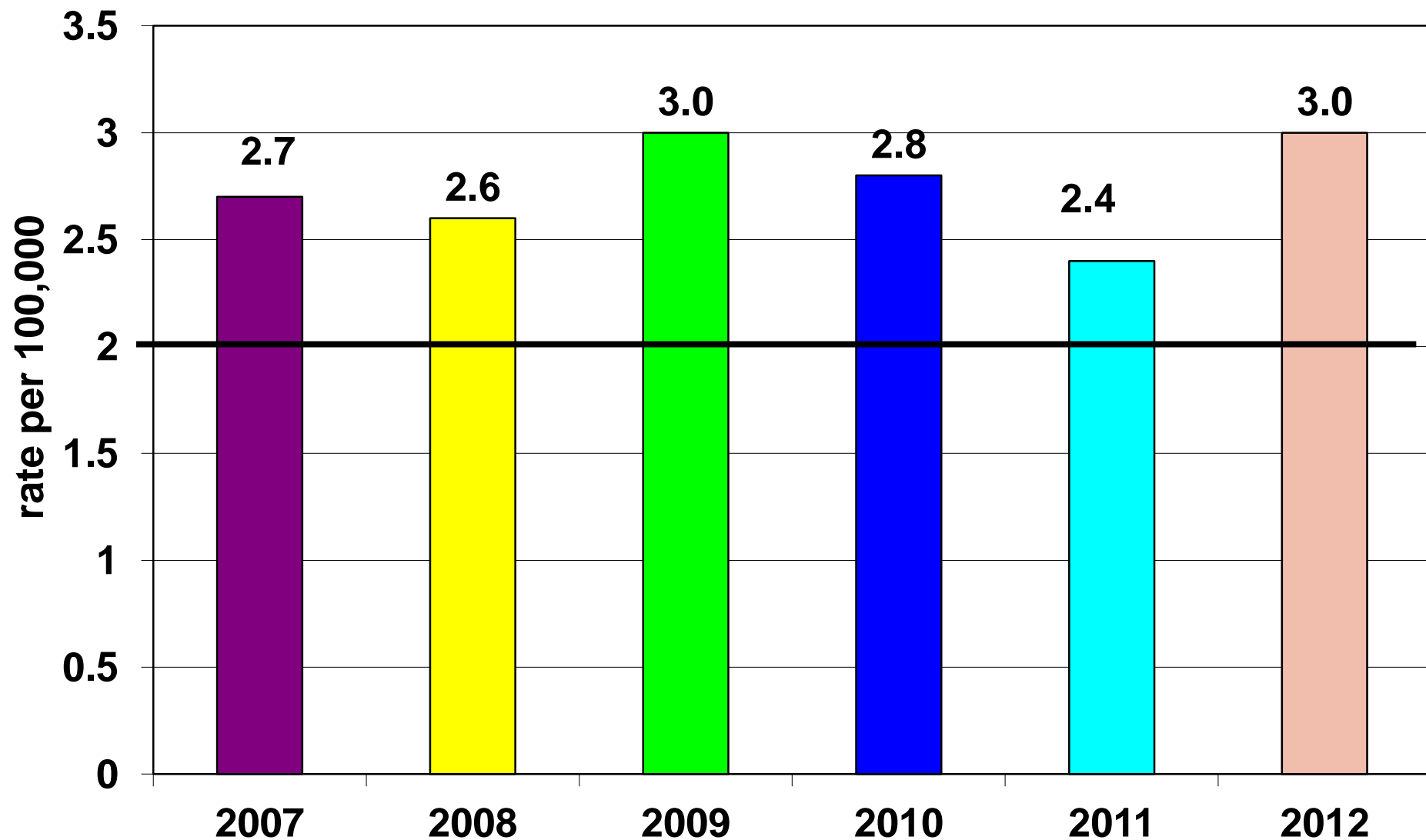
Fig. 9: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012*



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

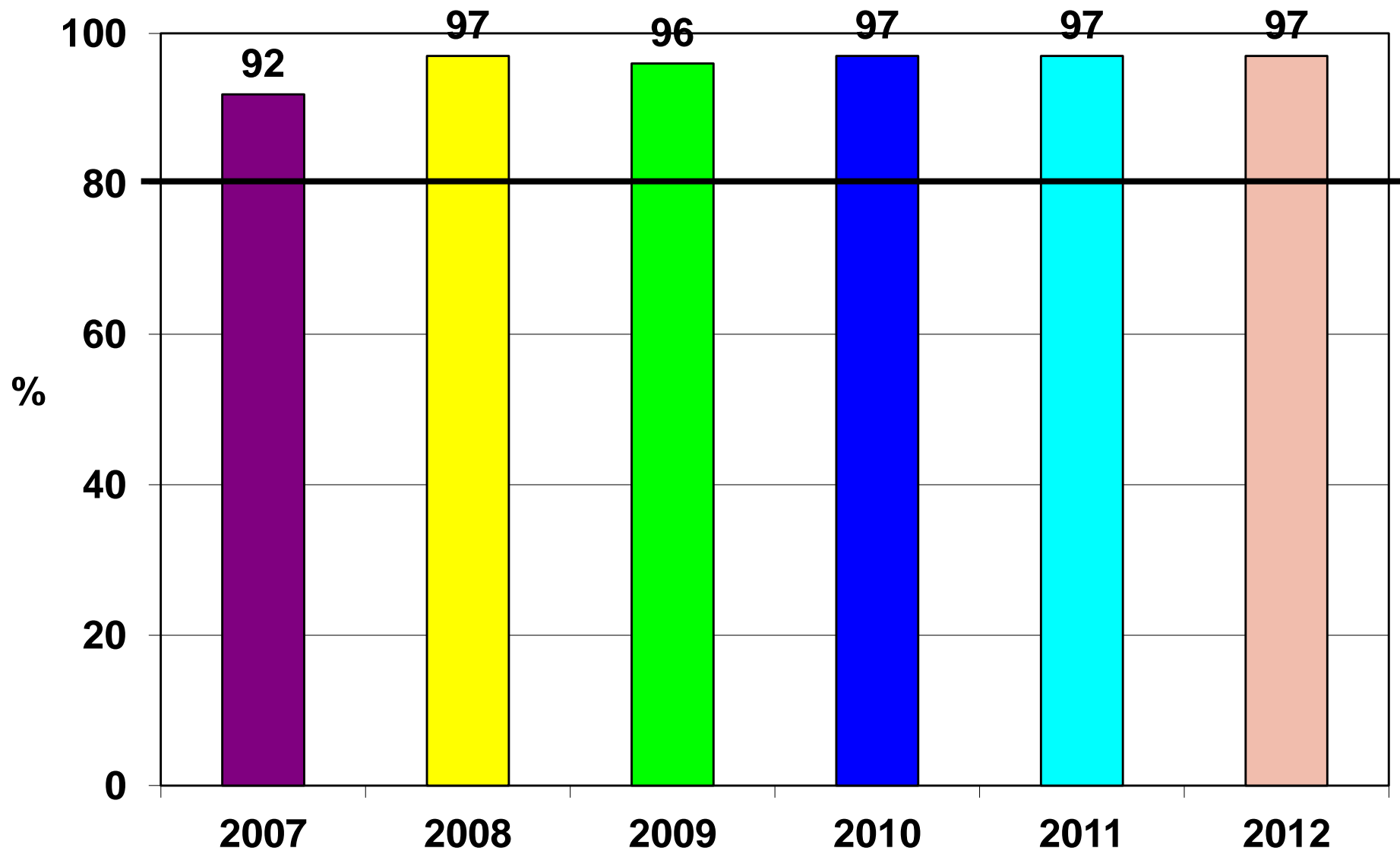
***Up to week 11, 2012**

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



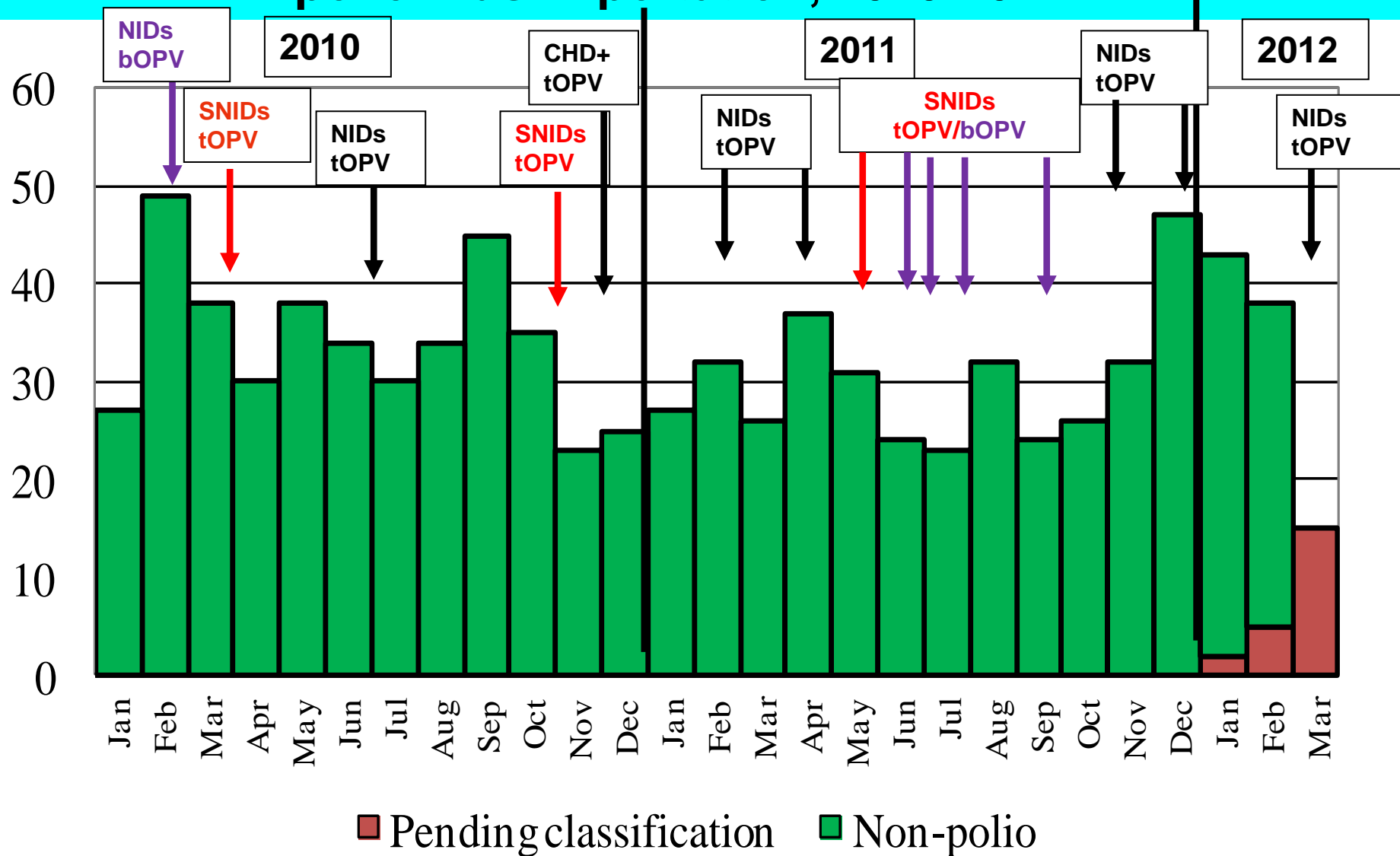
***Up to week 11, 2012**

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



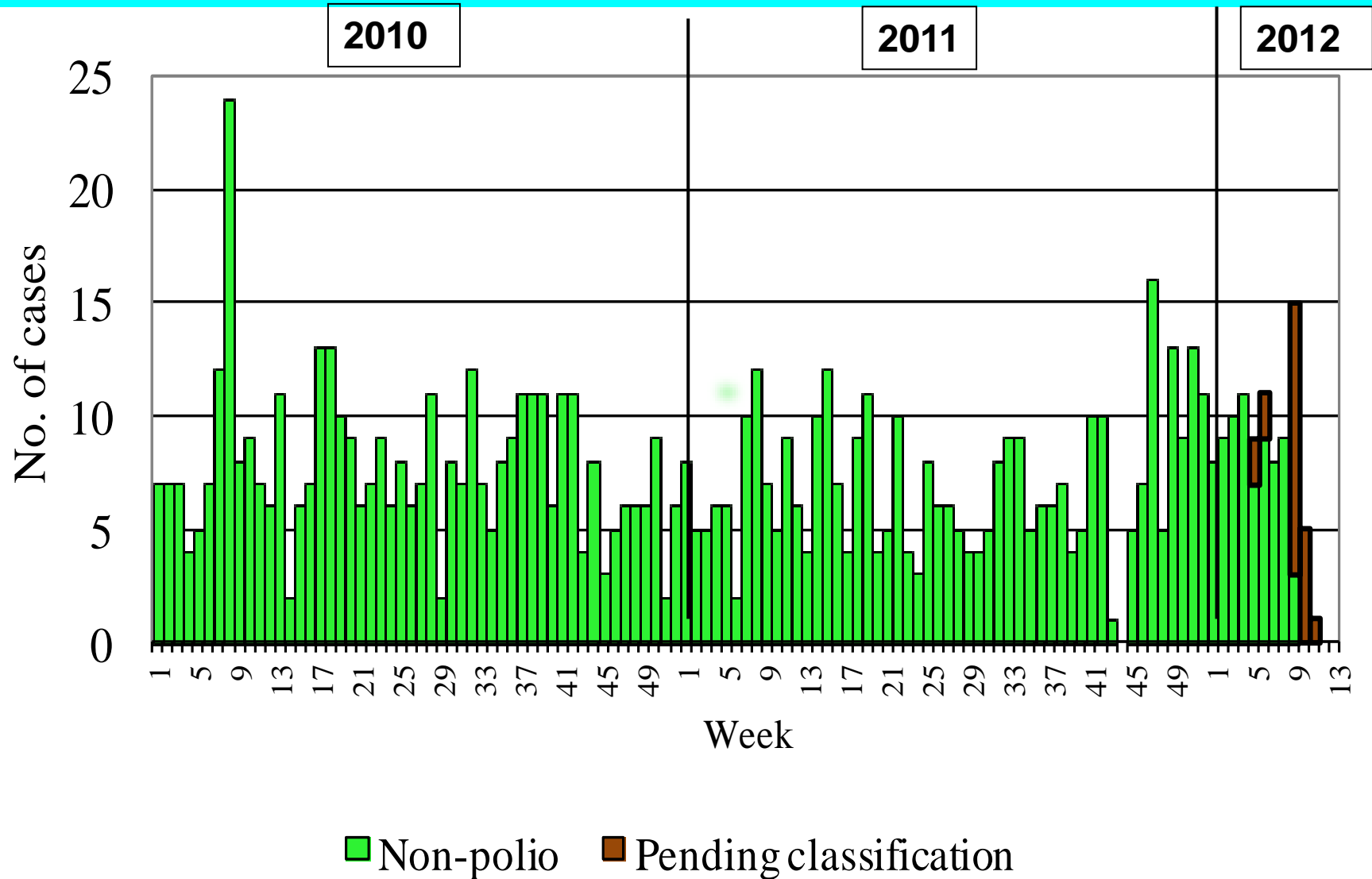
***Up to week 11, 2012**

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



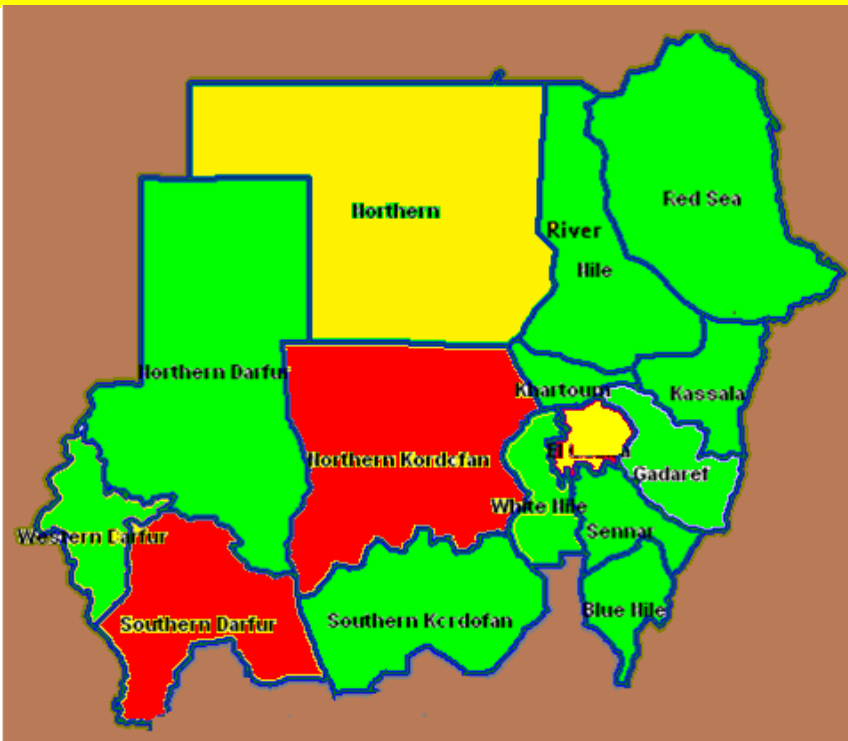
***Up to week 11, 2012**

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

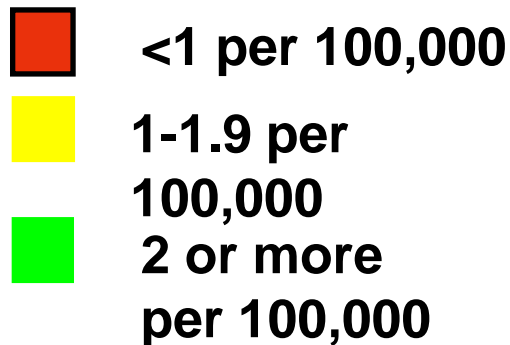


***Up to week 11, 2012**

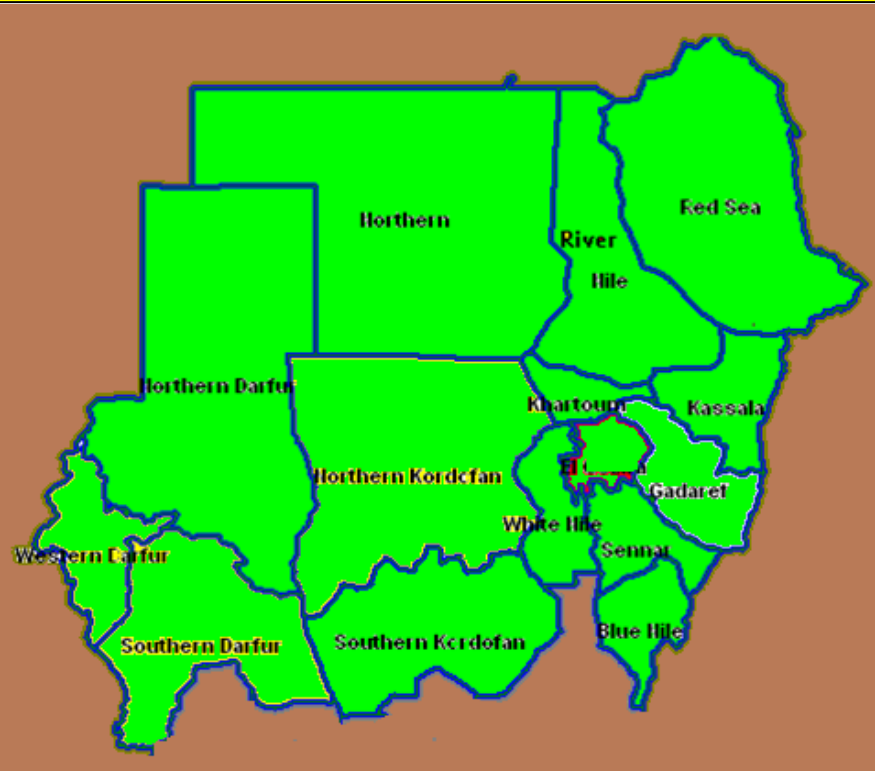
Map 3. Non-polio AFP rate by state, 2011 up to W11



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W11



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W11



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W11



■ <60%
 ■ 60% - 79%
 ■ 80% - 100%

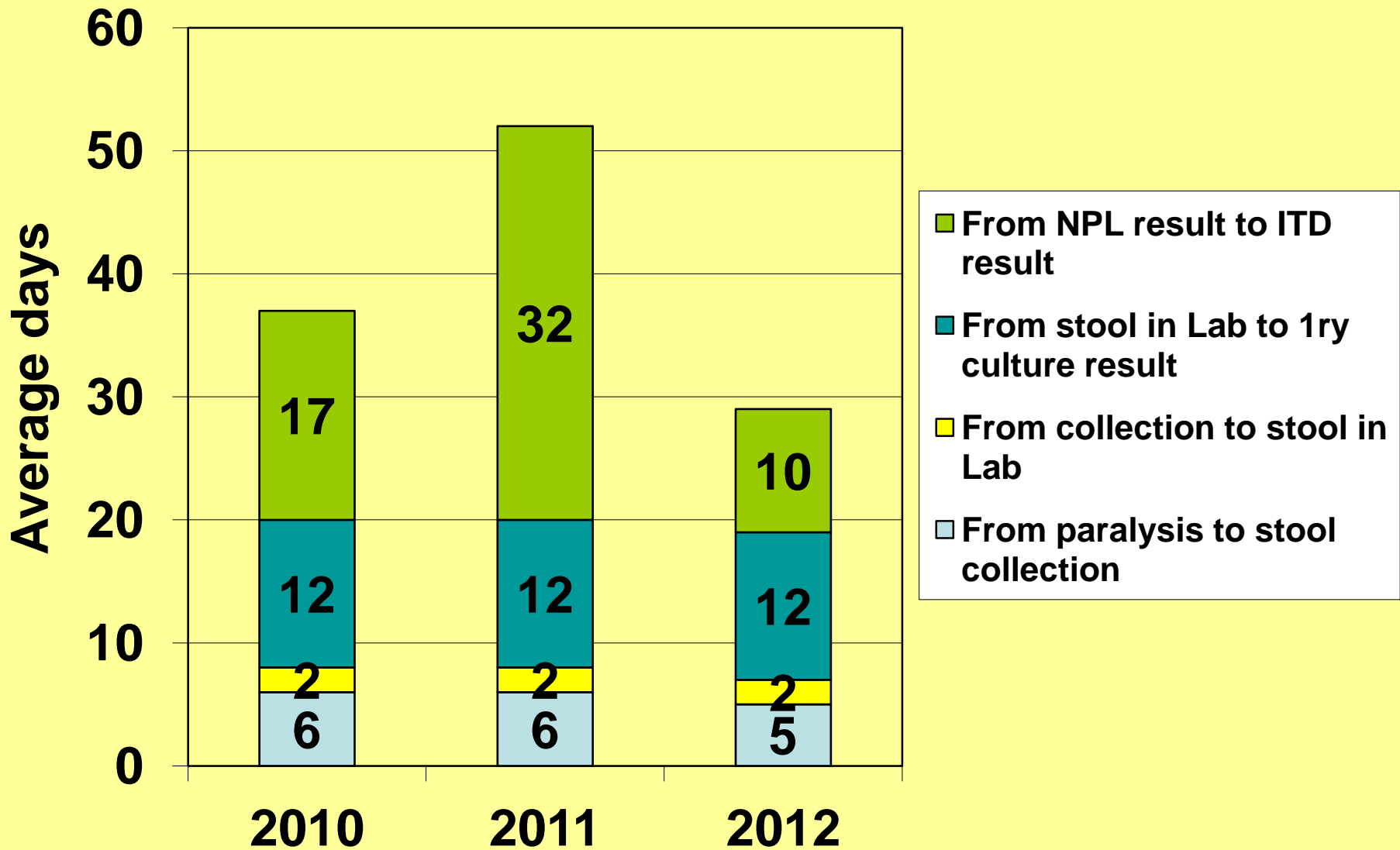
Table 2. National polio lab performance indicators 2010-2012 up to week 11

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	89	64	96
Cases with wild polioviruses	0	0	0
Cases with non-polio enterovirus	17%	9%	25%
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	13 days	12days
Number of samples from the AFP contacts tested in the NPL	23	28	50
Contacts with non-polio enterovirus	10%	0%	30%
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 11	89	14	0	62	13	17%	100%	90%	100%
2011 up to week 11	64	28	1	32	3	9%	86%	88%	100%
2012 up to week 11	96	21	0	56	19	25%	97%	82%	99%

Fig. 15: AFP Specimens' median timeliness NPL 2010-2012*



*Up to week 11, 2012