



World Health
Organization

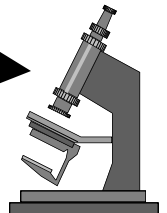
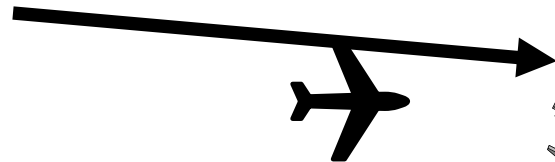
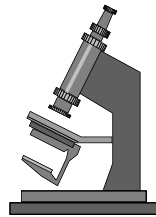
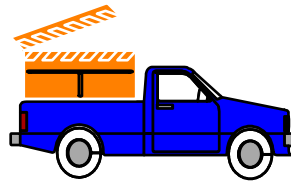
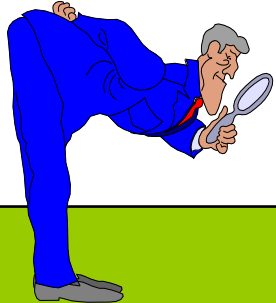


Republic of Sudan



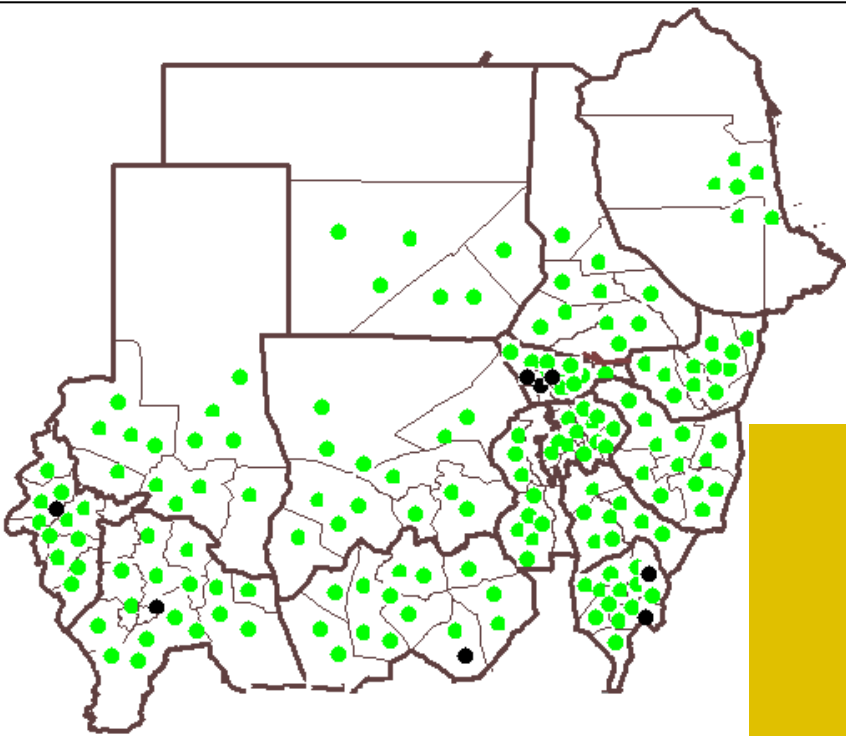
**Weekly AFP surveillance report
week 32**

Ending on 12 August 2012

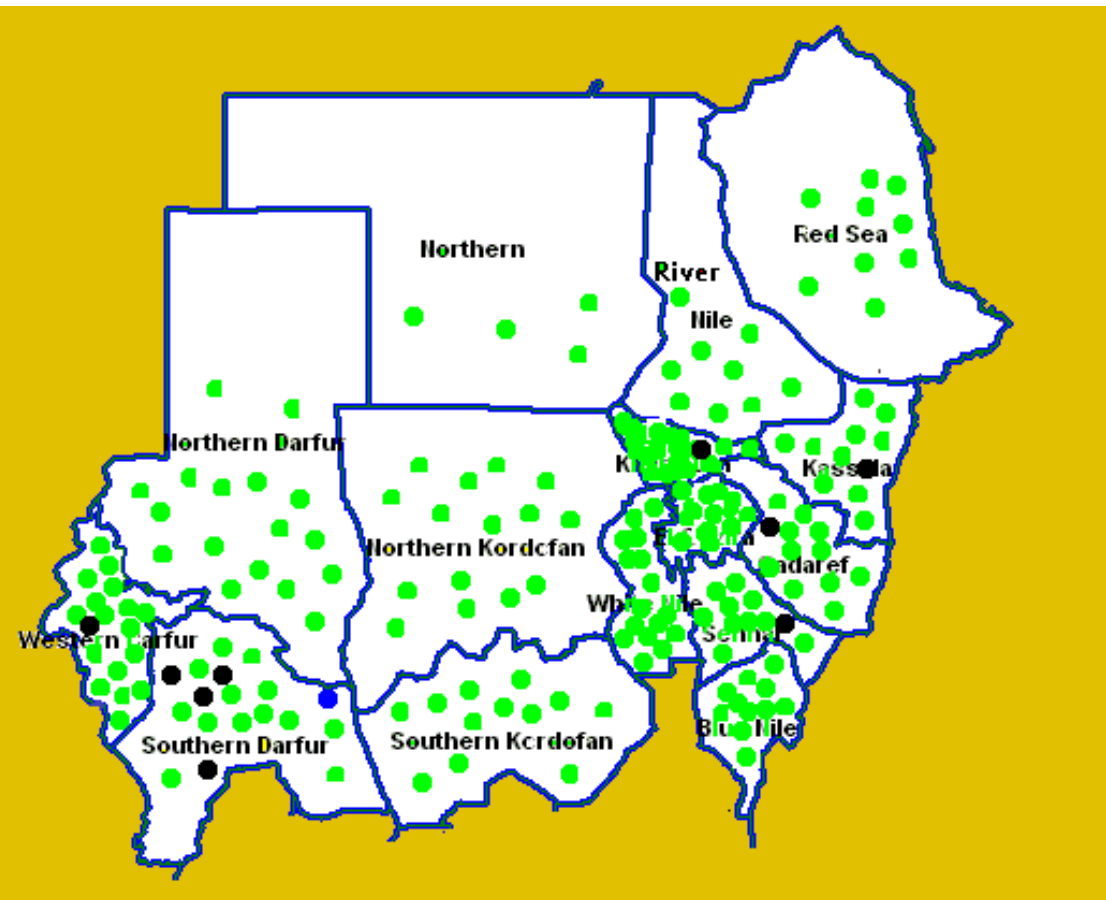


AFP Surveillance central unit

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



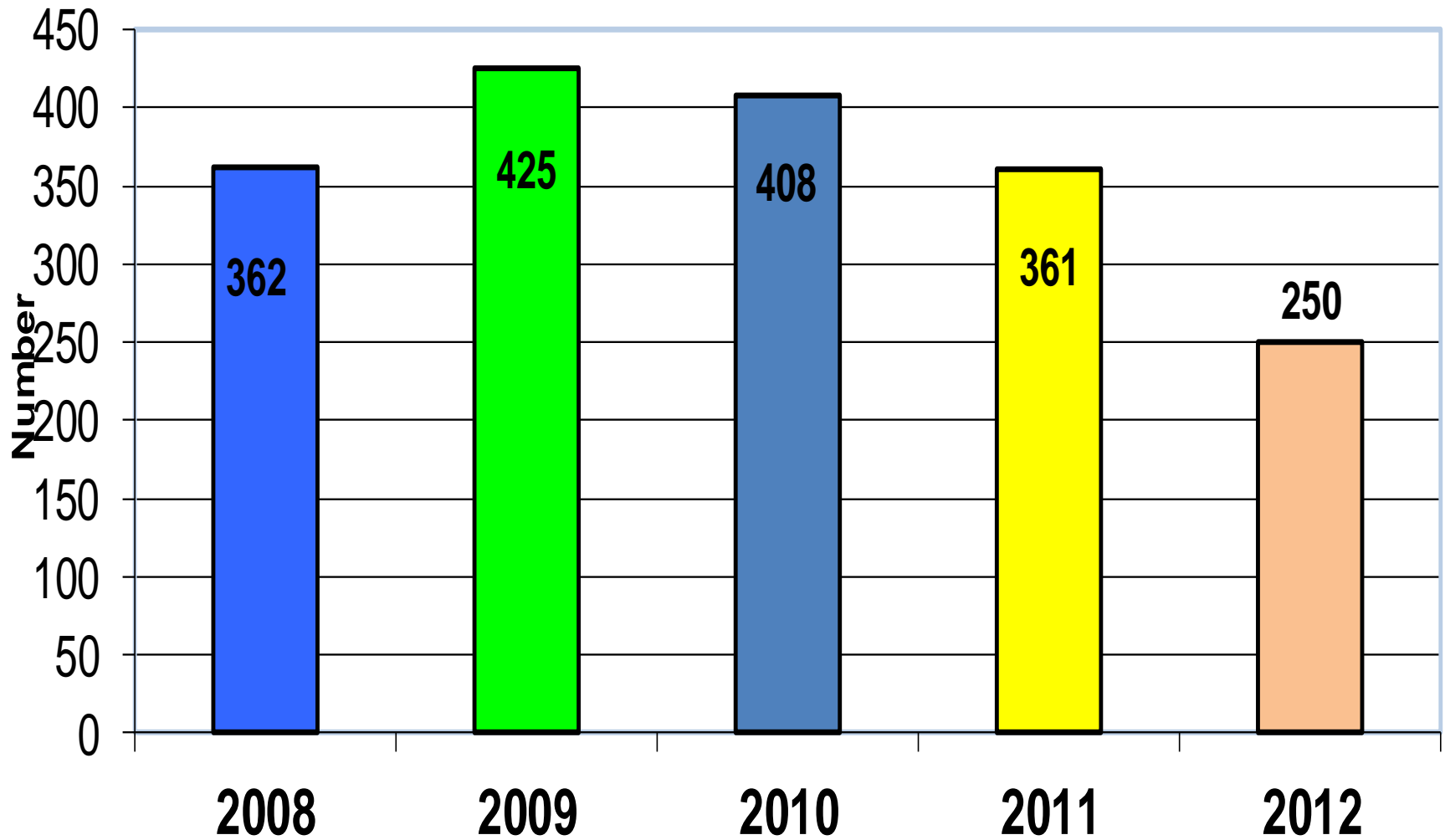
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



- Non-polio AFP
- Pending classification
- VDPV

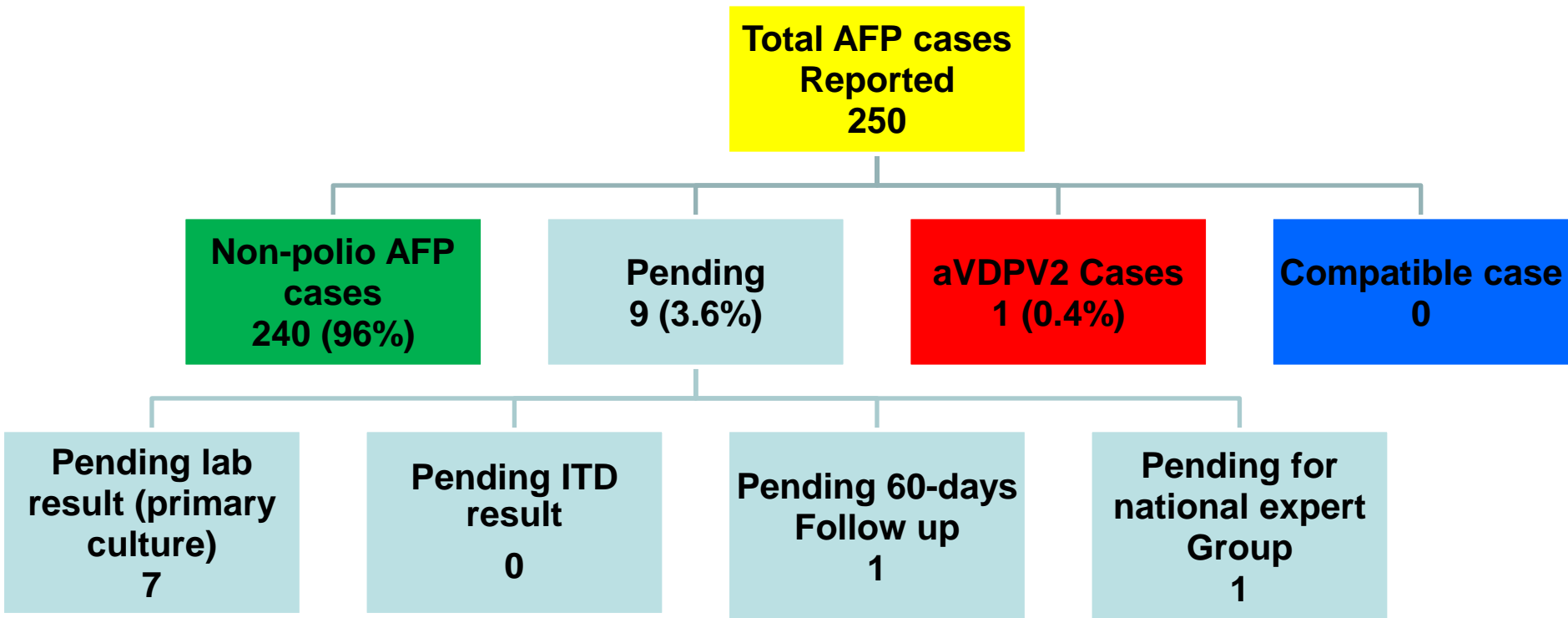
***Up to week 32**

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



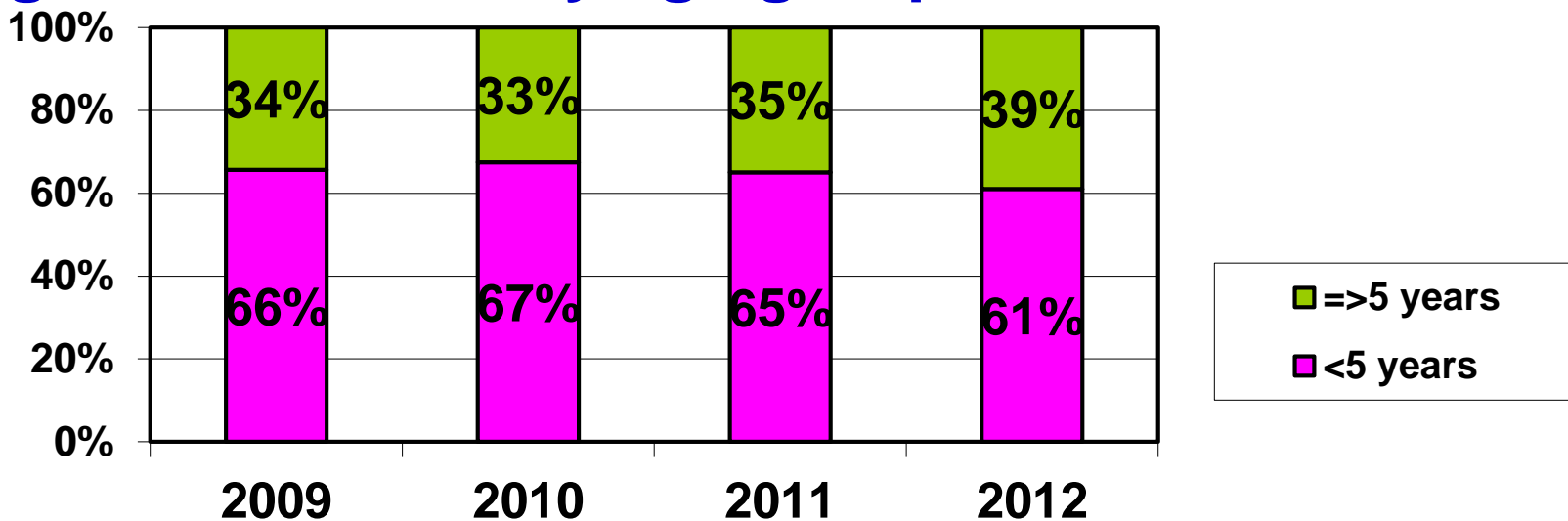
***Up to week 32**

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



***Up to week 32**

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



*Up to week 32

Fig. 4: AFP cases by sex 2009 – 2012*

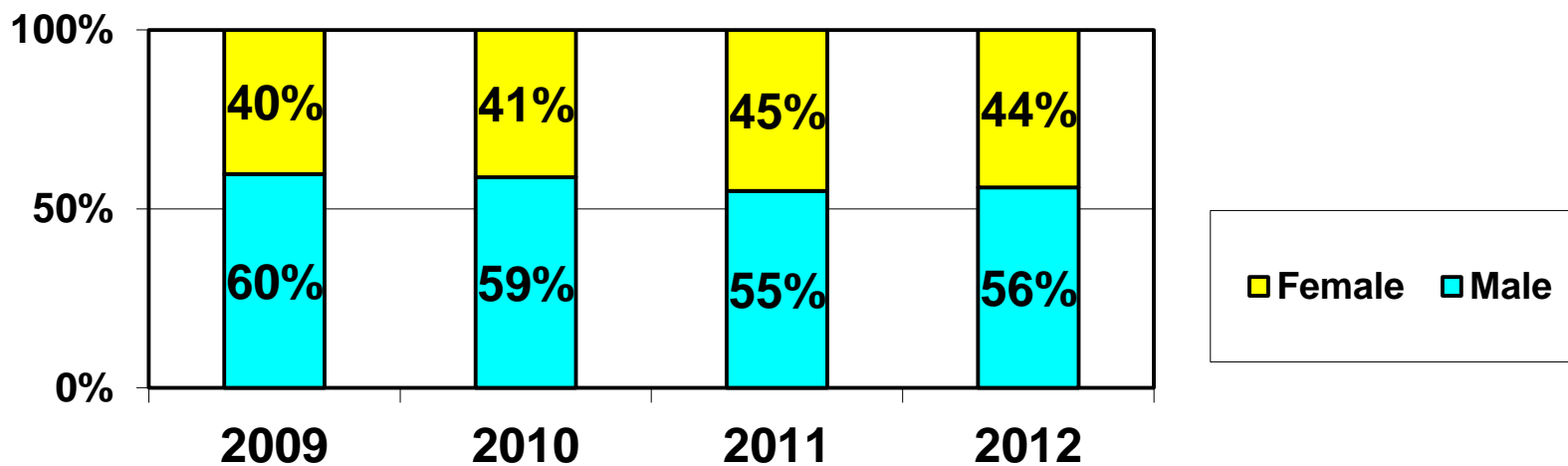


Fig. 5: Percent distribution of AFP cases by time of detection, 2011*

N = 203 AFP cases

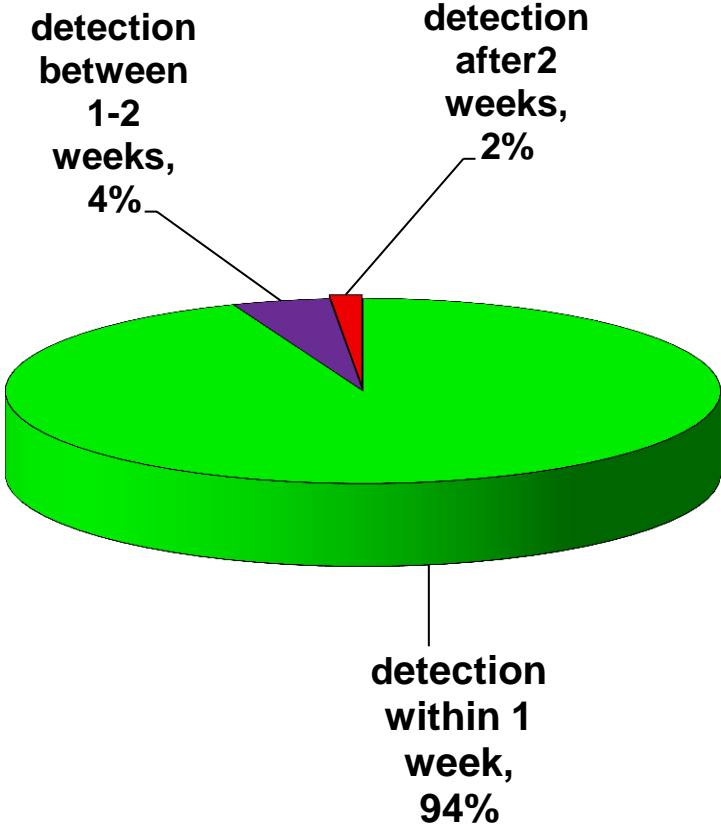
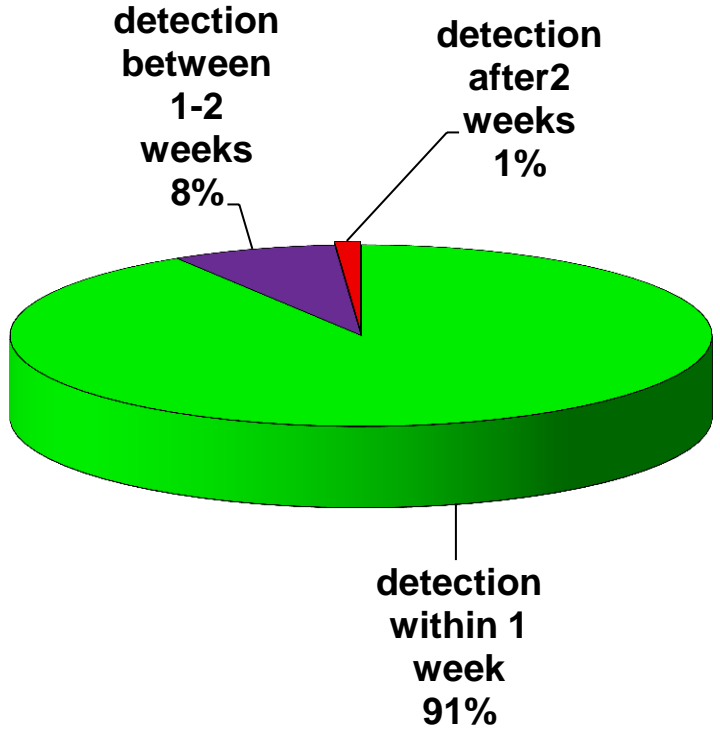


Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 250 AFP cases



***Up to week 32**

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

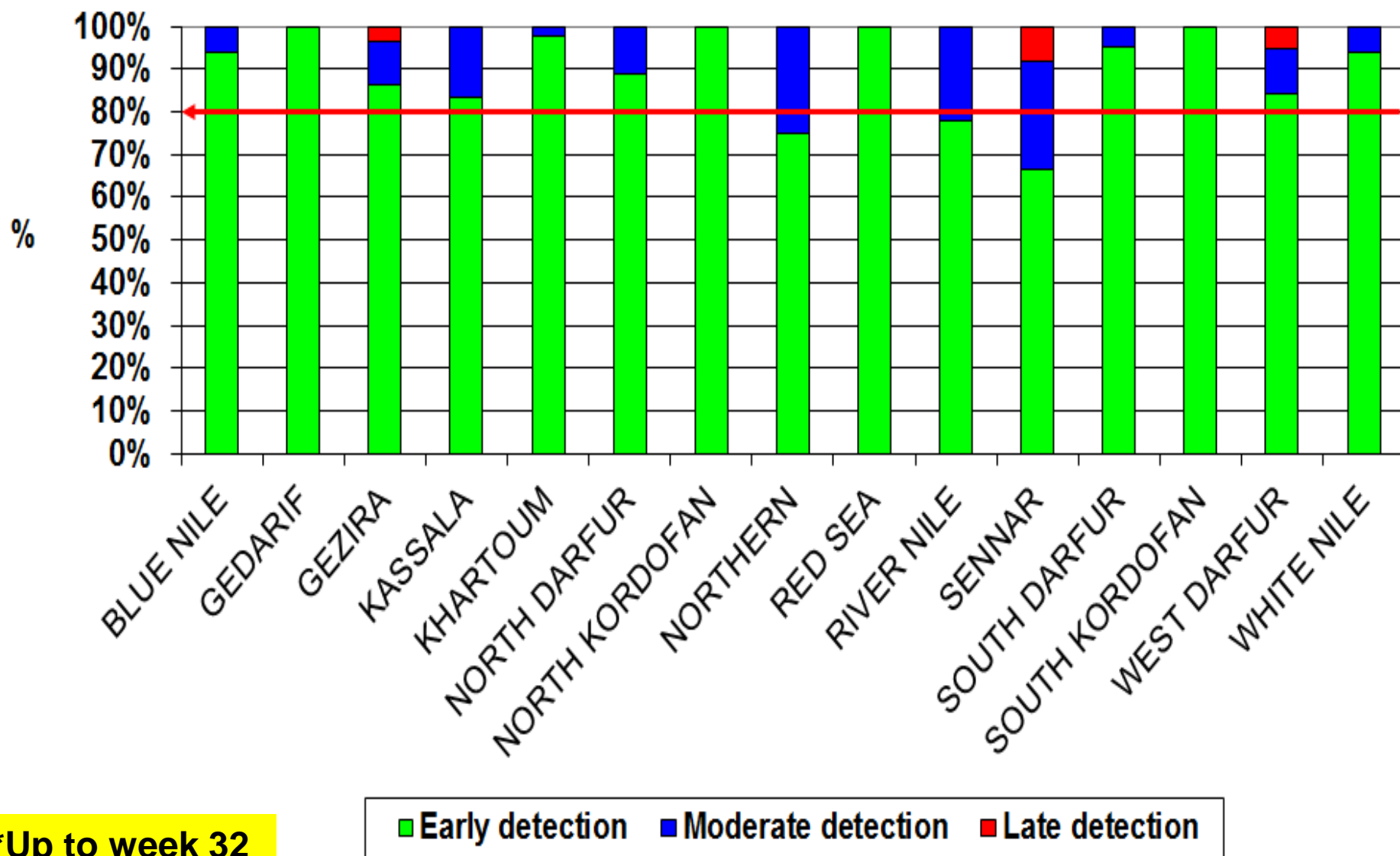
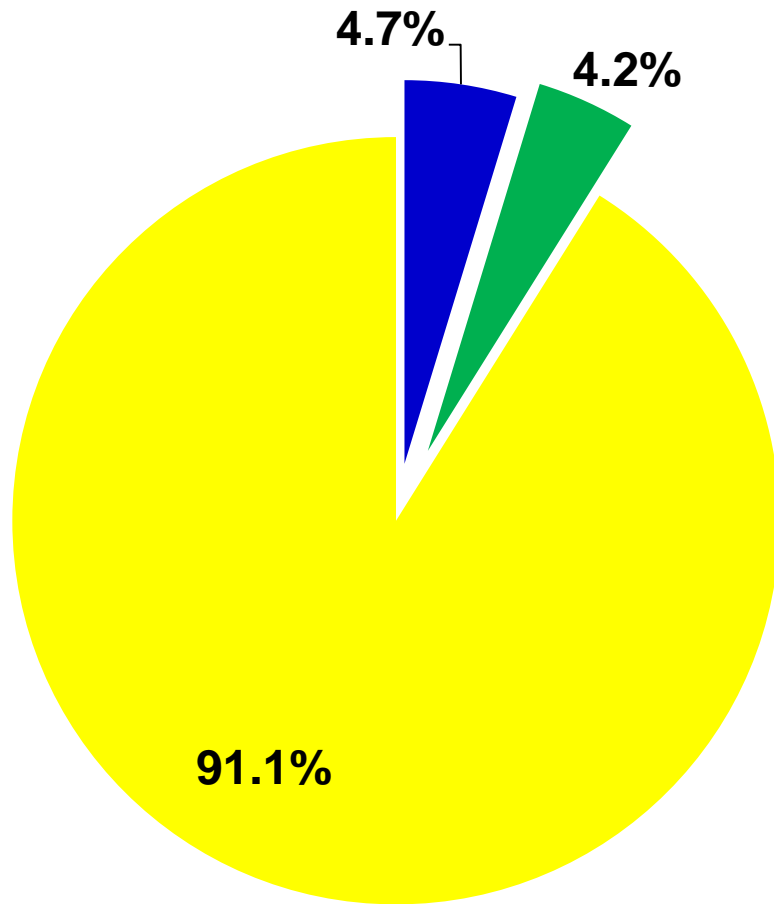


Table 1. Major AFP surveillance performance indicators, up to week 32, 2012

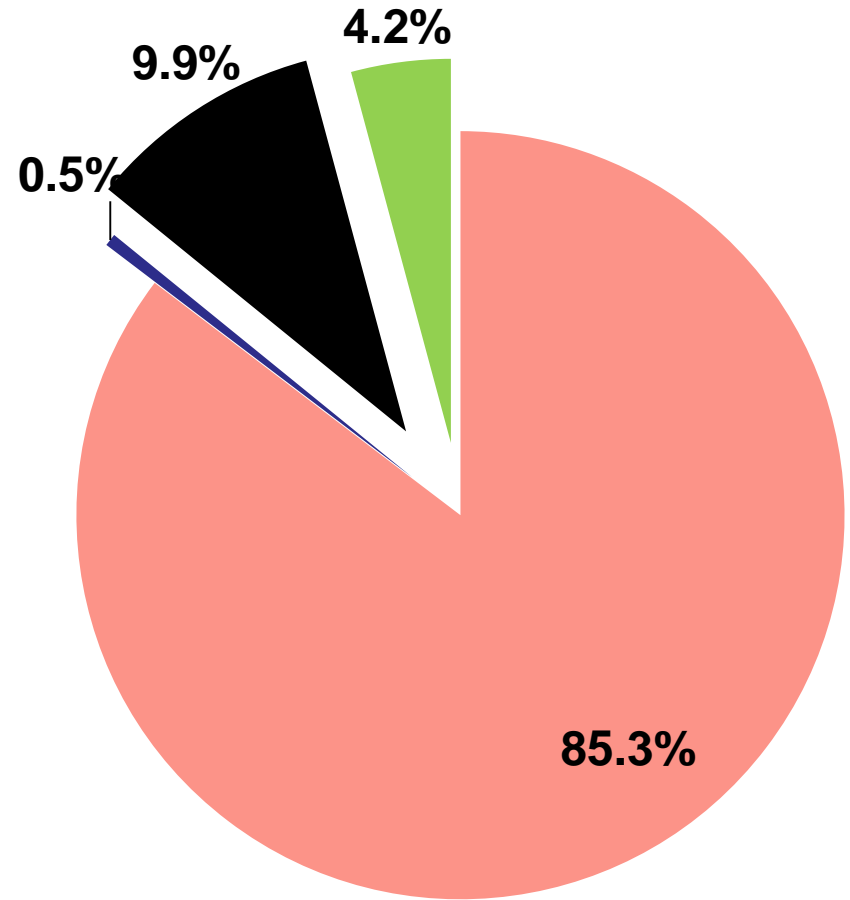
State	U 15 yrs population	Total reported AFP cases	Non-polio AFP cases	Pending classification	VDPV	Compatible cases	% Adequate stools	Annualized AFP rate	% NPEV
B. Nile	551,519	16	16	0	0	0	94%	4.7	13%
Gedarif	887,810	13	12	1	0	0	92%	2.4	8%
Gezira	1,974,675	29	29	0	0	0	97%	2.4	24%
Kasala	857,183	12	11	1	0	0	100%	2.3	17%
Khartoum	2,489,151	46	45	1	0	0	98%	3.0	11%
N.Darf	890,317	18	18	0	0	0	100%	3.3	11%
N.Kord	1,281,448	16	16	0	0	0	94%	2.0	13%
Northern	271,479	4	4	0	0	0	75%	2.4	25%
Red Sea	331,008	9	9	0	0	0	100%	4.4	11%
River Nile	470,091	9	9	0	0	0	100%	3.1	11%
Sennar	735,588	12	11	1	0	0	92%	2.7	17%
S.Darfur	1,806,686	21	16	4	1	0	90%	1.9	5%
S. Kord	974,048	10	10	0	0	0	100%	1.7	0%
W.Darfur	971,638	19	18	1	0	0	95%	3.2	21%
W. Nile	855,181	16	16	0	0	0	100%	3.0	13%
Total	15,347,822	250	240	9	1	0	96%	2.6	14%

Fig. 8: Sources of AFP cases up to week 32



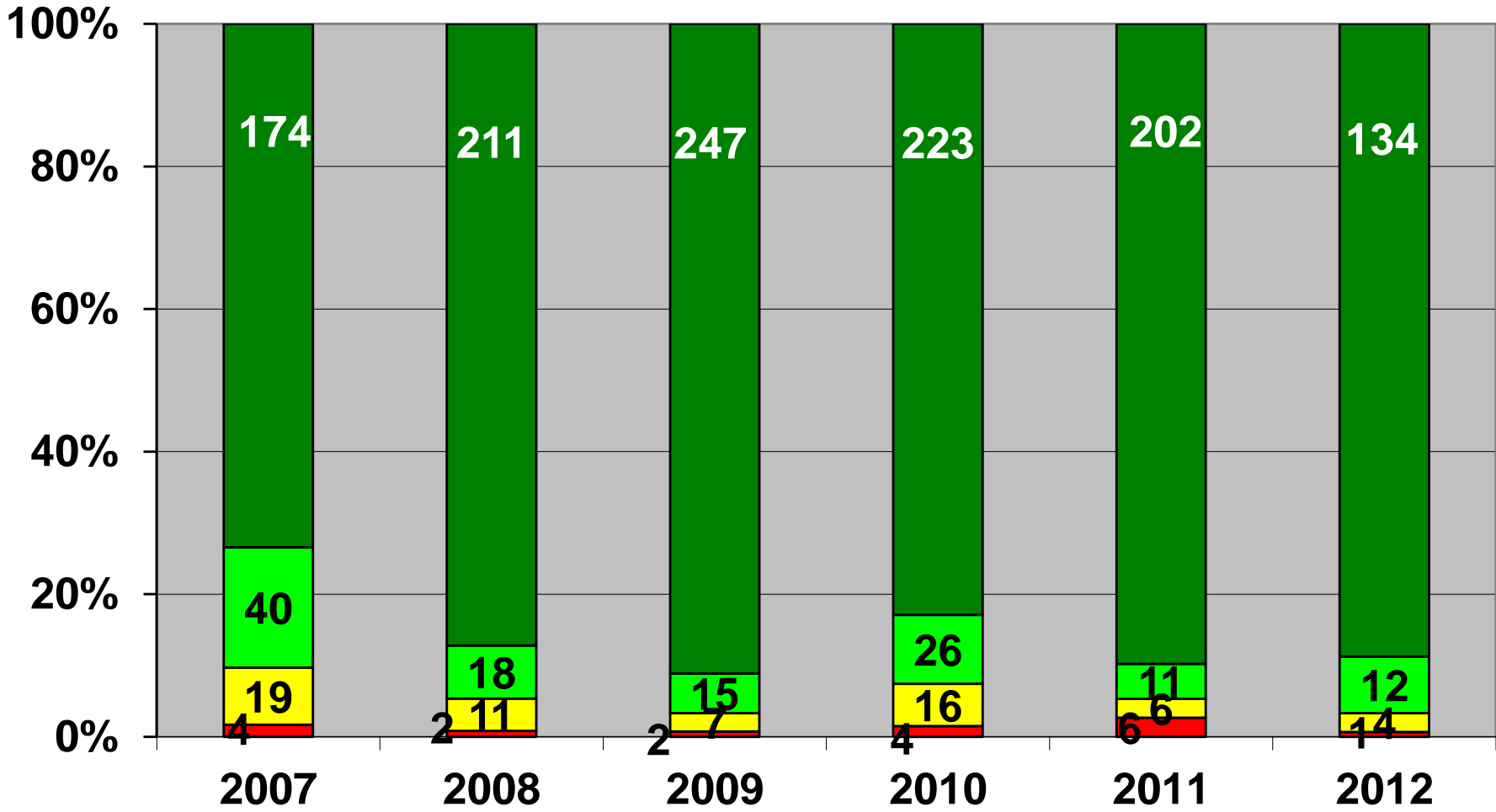
IDPs **Nomads** **Residents**

Fig. 9: Types of reporting sites up to week 32



Government **Others**
Private **Volunteers**

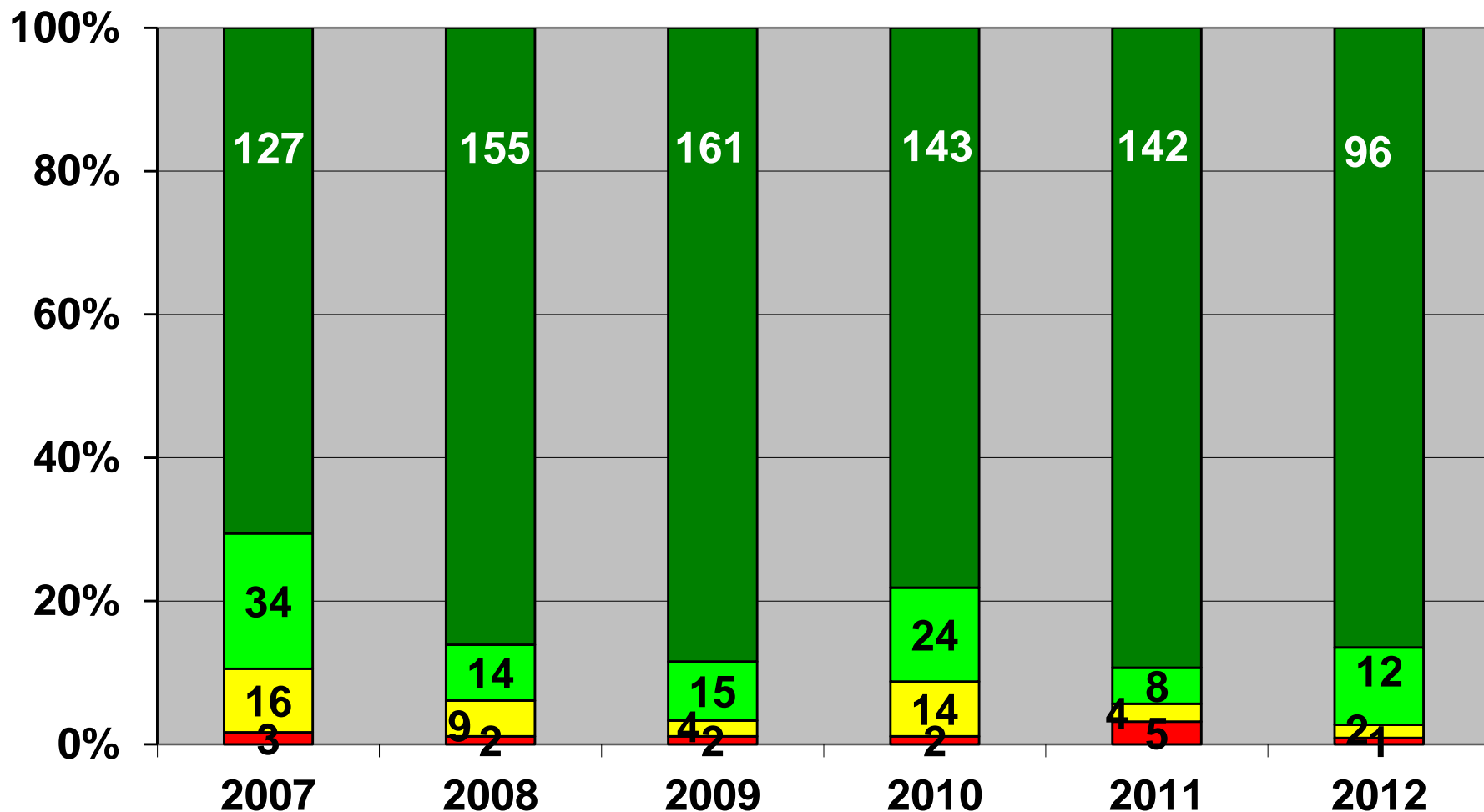
Fig. 10: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012*



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

*Up to week 32

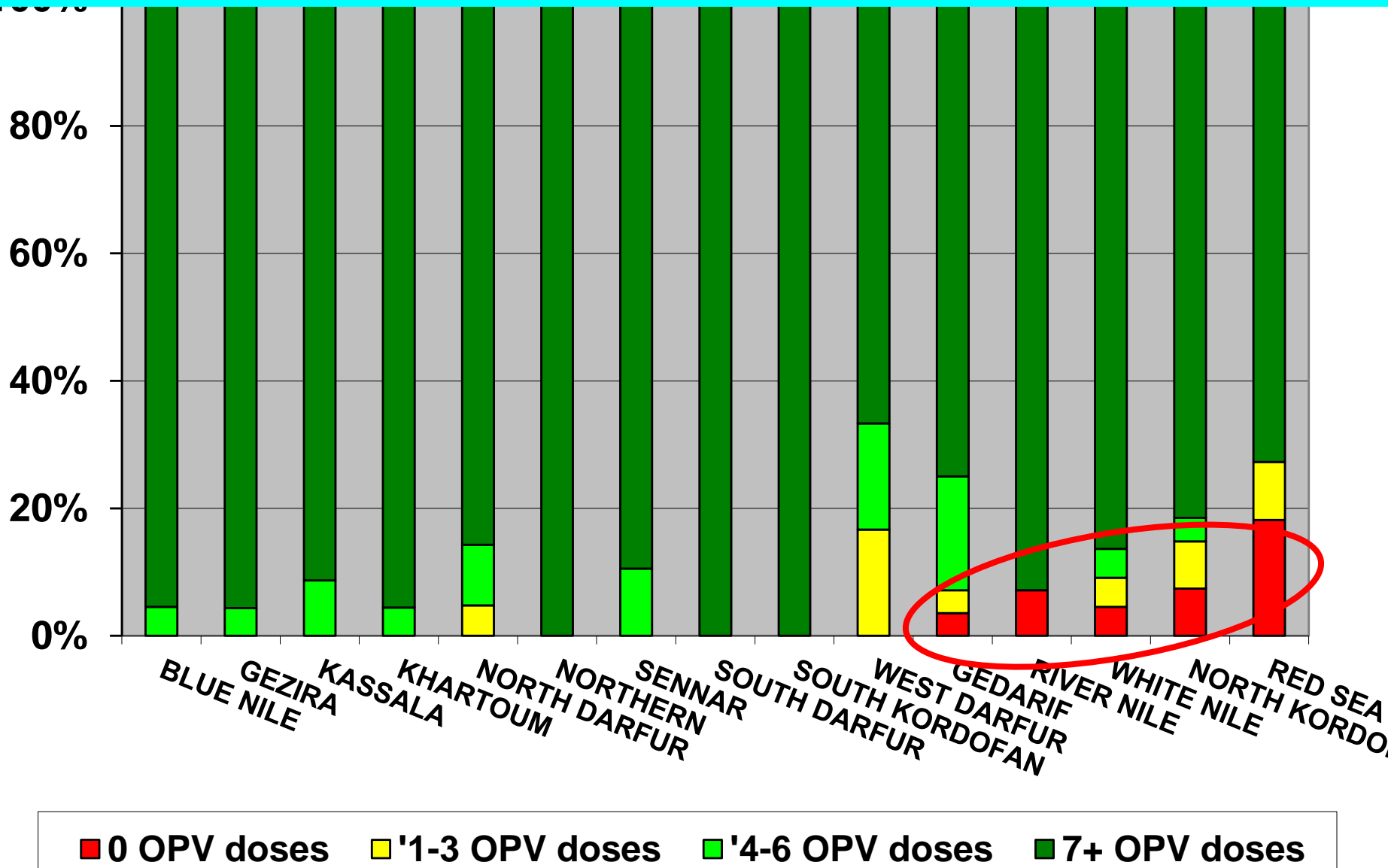
Fig. 11: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012*



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

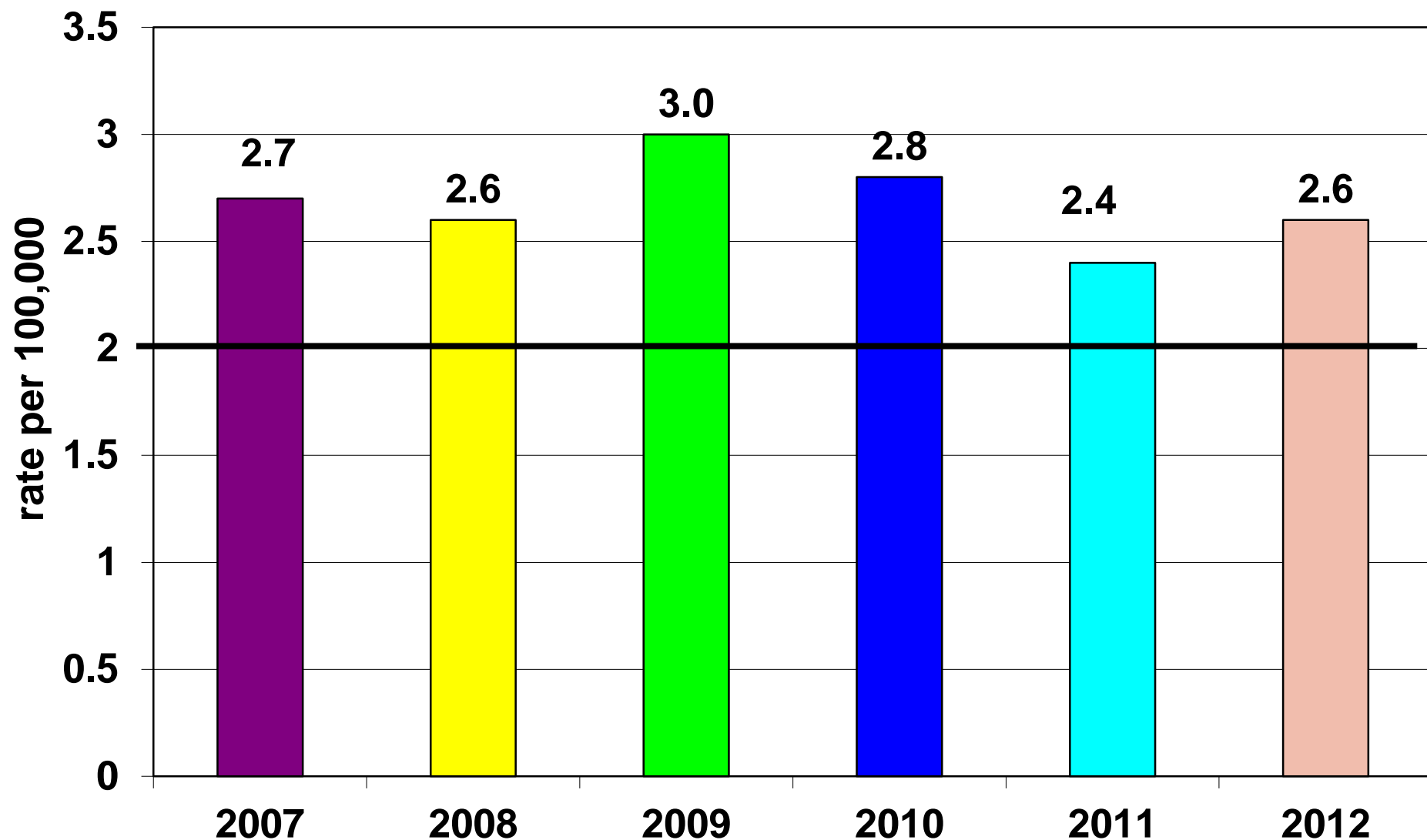
***Up to week 32**

Fig. 12: Percent distribution of AFP cases 6-59 months by number of OPV doses and states, 2011-2012*



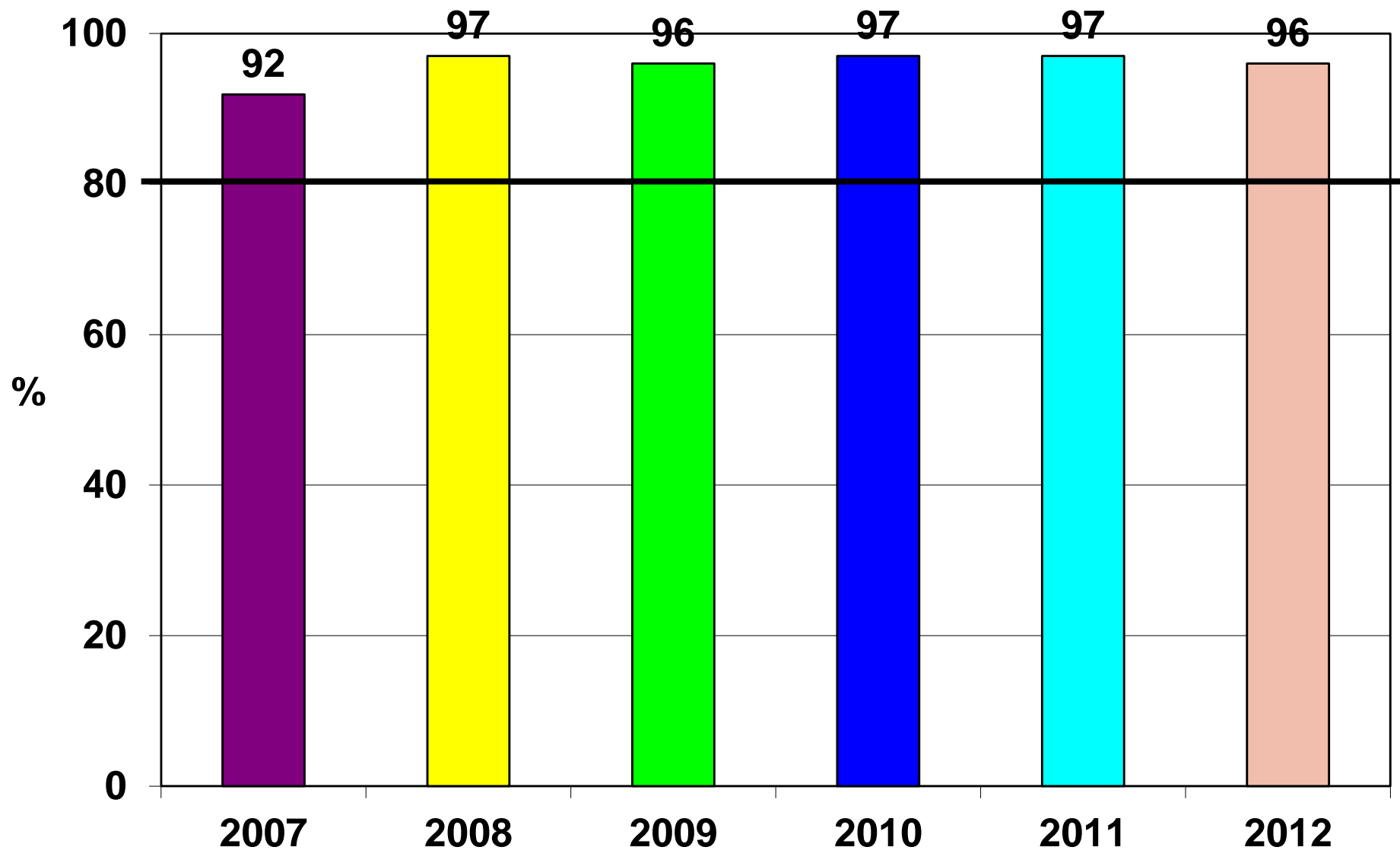
*Up to week 32

Fig. 13: Non-Polio AFP rate per 100,000 children under 15 years of age, 2007 – 2012*



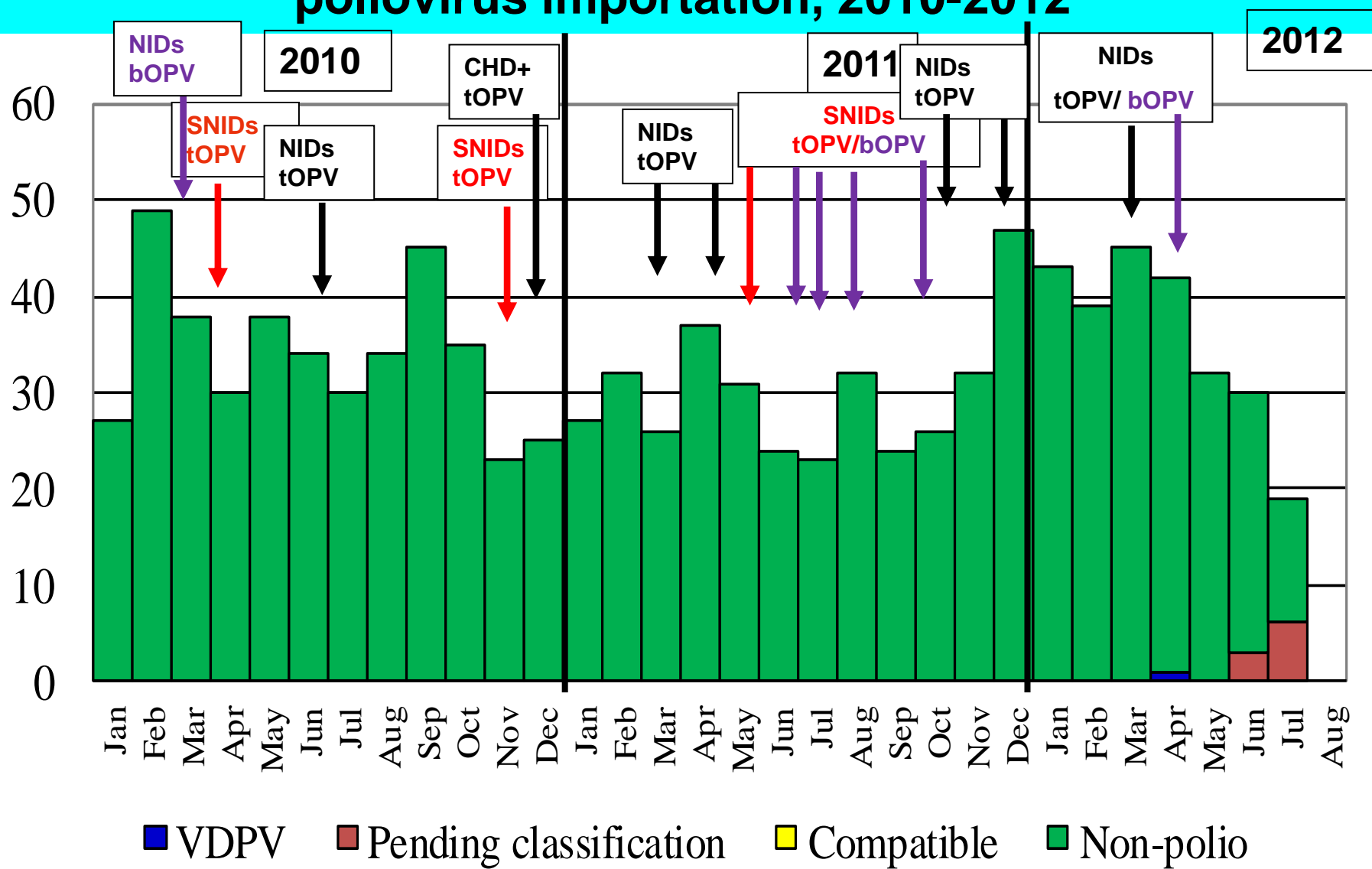
***Up to week 32**

Fig. 14: Adequate stool collection rate, 2007 – 2012*



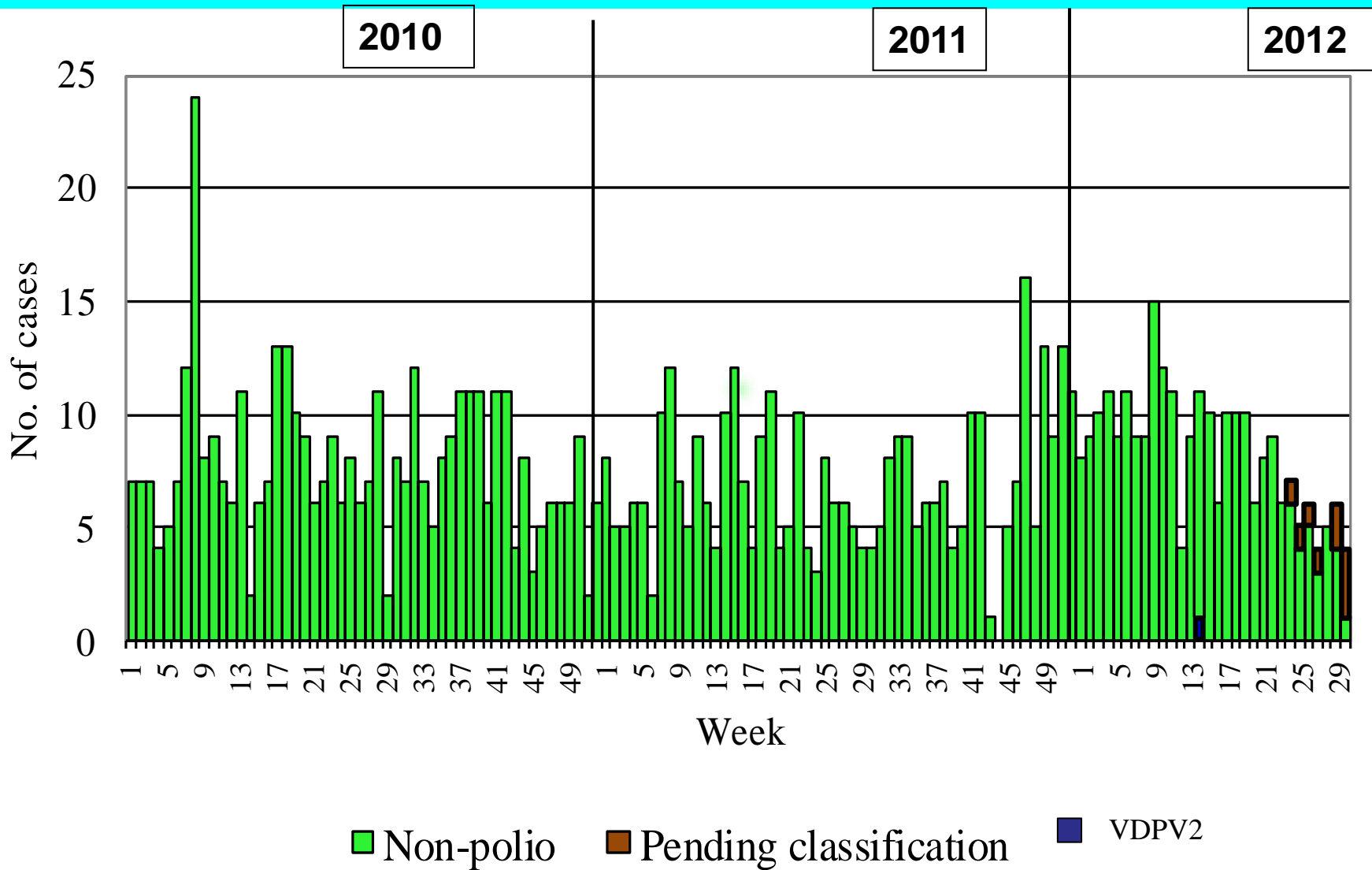
***Up to week 32**

Fig 15. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012*



*Up to week 32

Fig 16. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012*

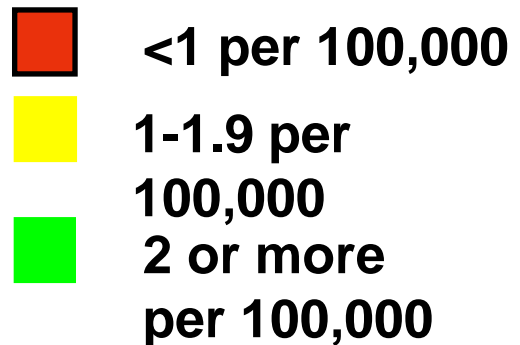


*Up to week 32

Map 3. Non-polio AFP rate by state, 2011 up to W32



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W32



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W32



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W32



■ <60%
 ■ 60% - 79%
■ 80% - 100%

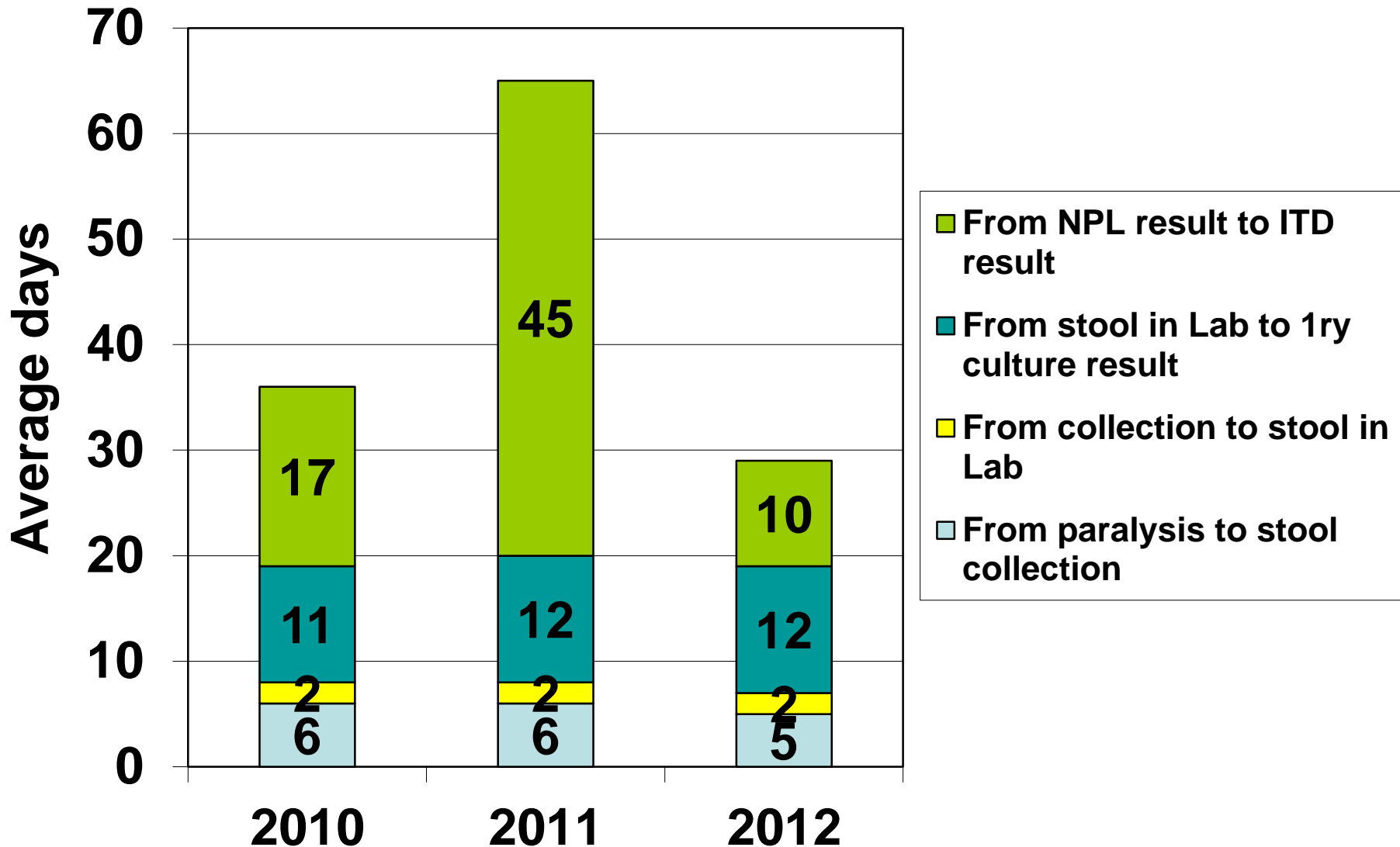
Table 2. National polio lab performance indicators 2010-2012 up to week 32

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	248	203	249
Cases with aVDPV2	0	0	1
Cases with non-polio enterovirus	15%	16%	14%
SL viruses No. & (%) from AFP cases	5(1.3%)	6(3.1%)	3(1.2%)
Median days from the time of samples received in the lab to primary culture report or L20B result	11days	12 days	12days
Number of samples from the AFP contacts tested in the NPL	130	132	189
Contacts with non-polio enterovirus	15%	12%	12%
Sabin like viruses No. & (%) from contacts	0	5(4%)	1(0.8%)
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 32	248	8	0	202	37	15%	90%	86%	99%
2011 up to week 32	203	7	1	163	32	16%	86%	83%	100%
2012 up to week 32	249	7	0	209	33	14%	93%	85%	99%

Fig. 17: AFP Specimens' median timeliness NPL 2010-2012*



*Up to week 32