



World Health
Organization

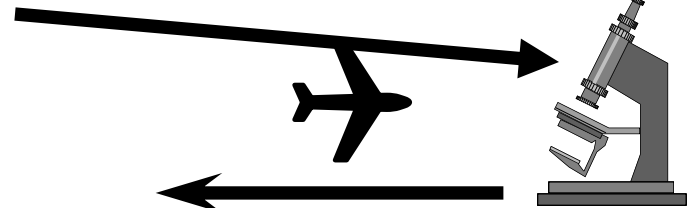
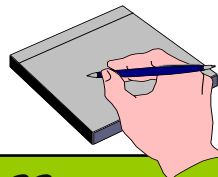
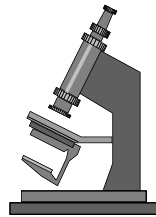
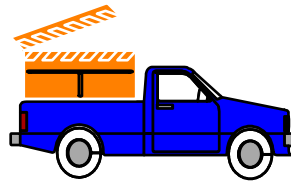
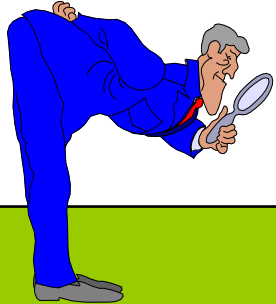


Republic of Sudan



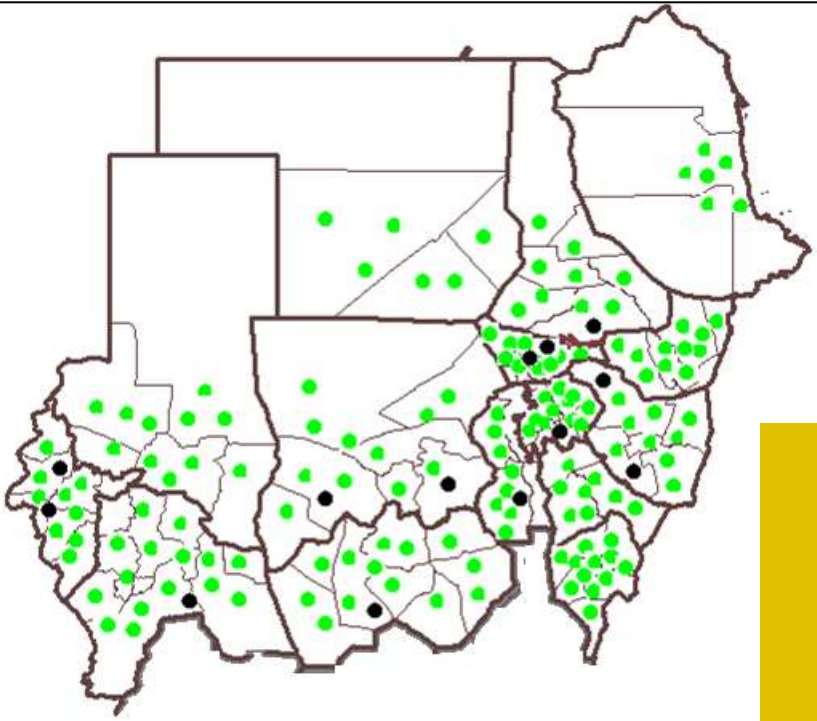
**Weekly AFP surveillance report
week 29**

Ending on 22 July 2012

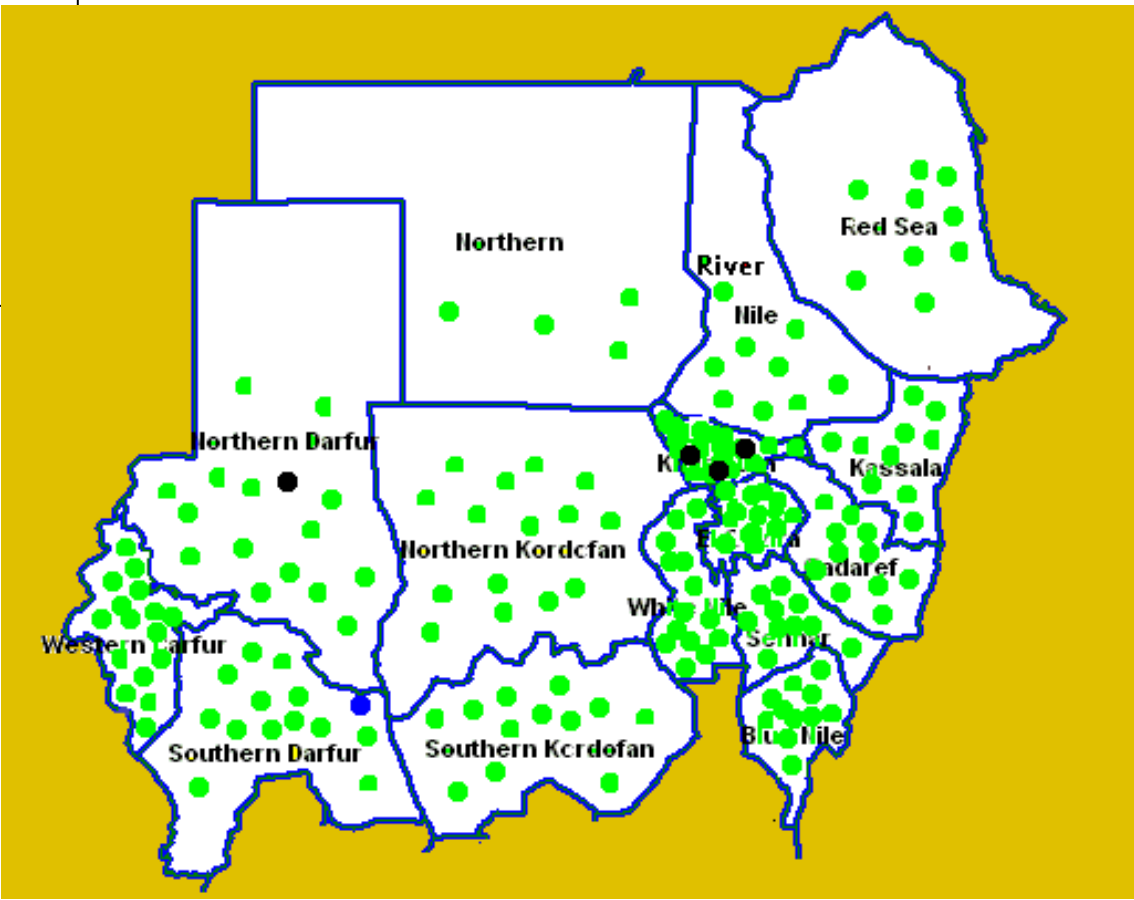


AFP Surveillance central unit

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



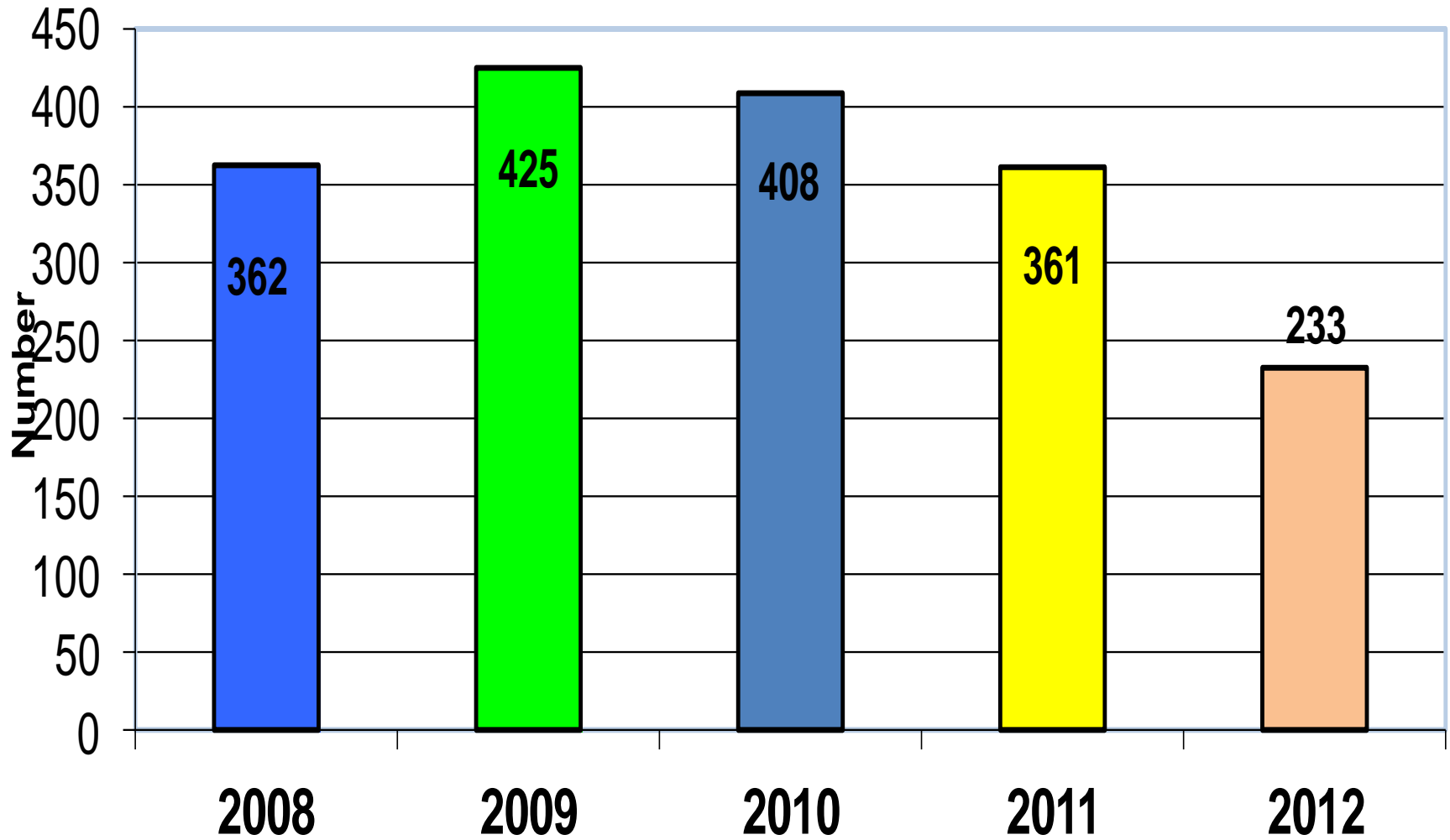
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



- Non-polio AFP
- Pending classification
- VDPV

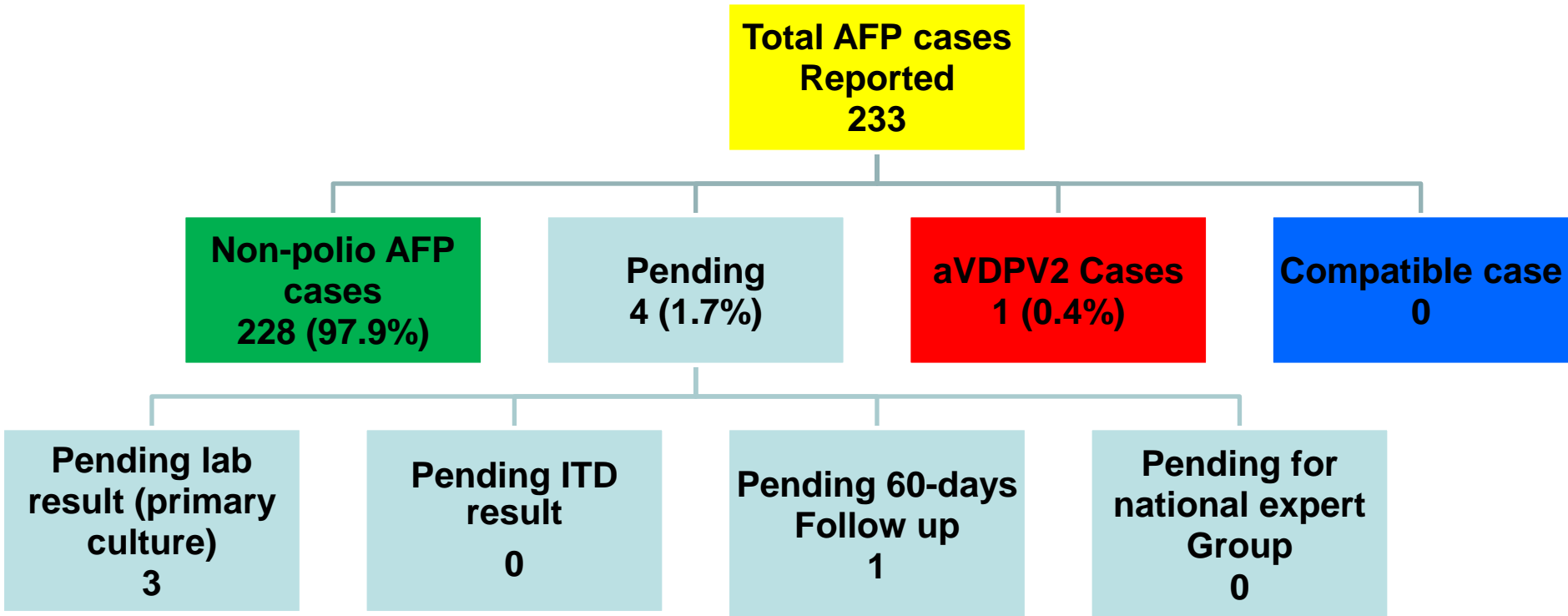
***Up to week 29**

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



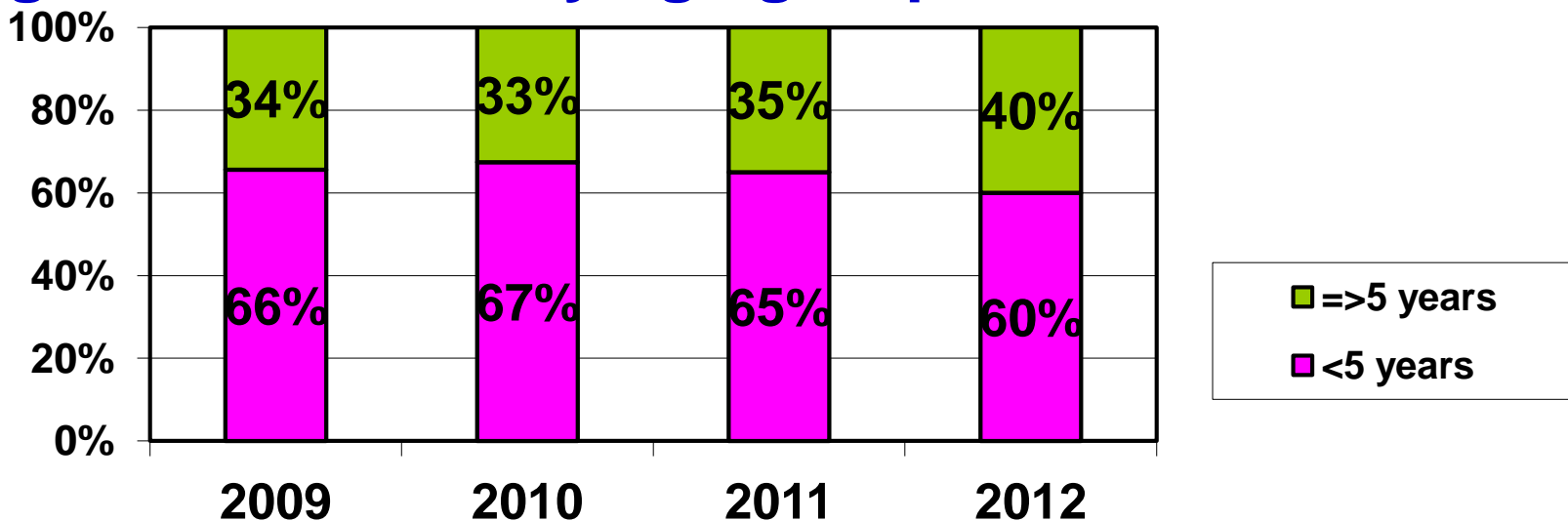
***Up to week 29**

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



***Up to week 29**

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



*Up to week 29

Fig. 4: AFP cases by sex 2009 – 2012*

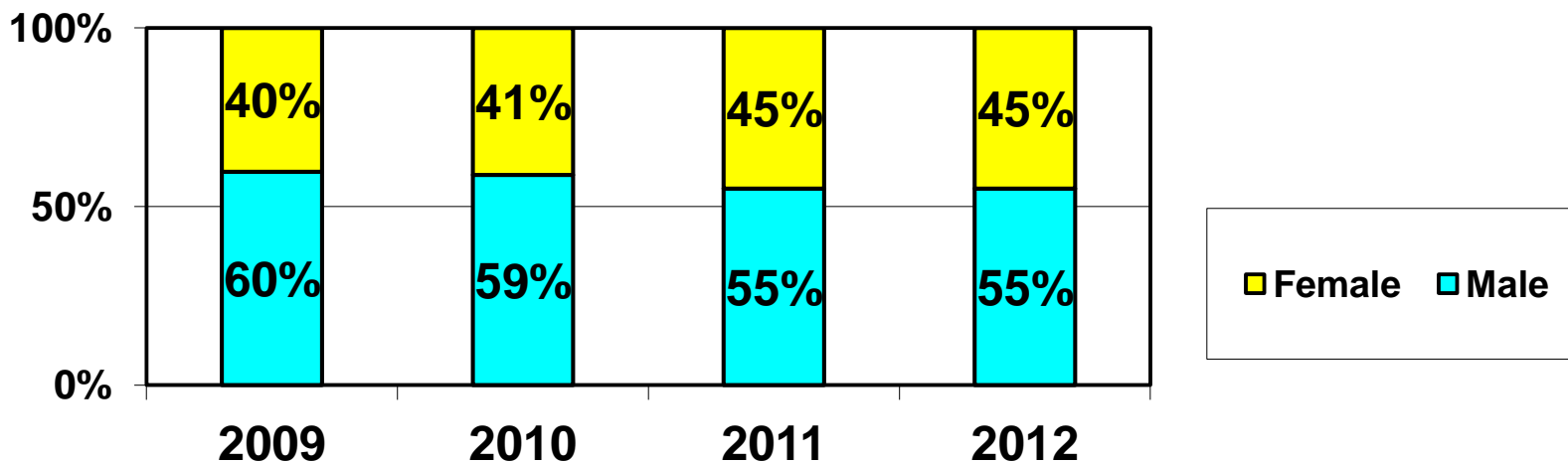


Fig. 5: Percent distribution of AFP cases by time of detection, 2011*

N = 188 AFP cases

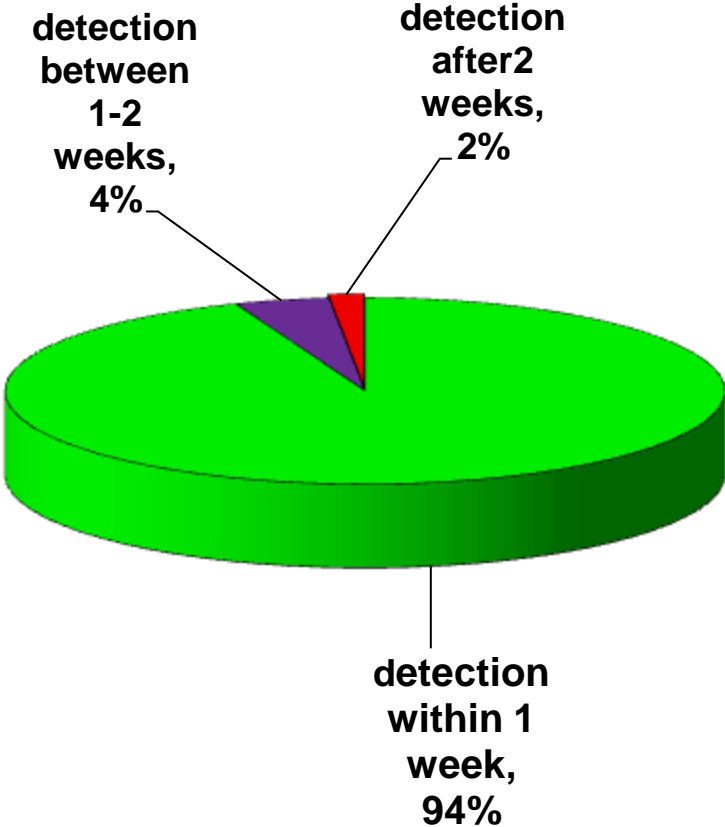
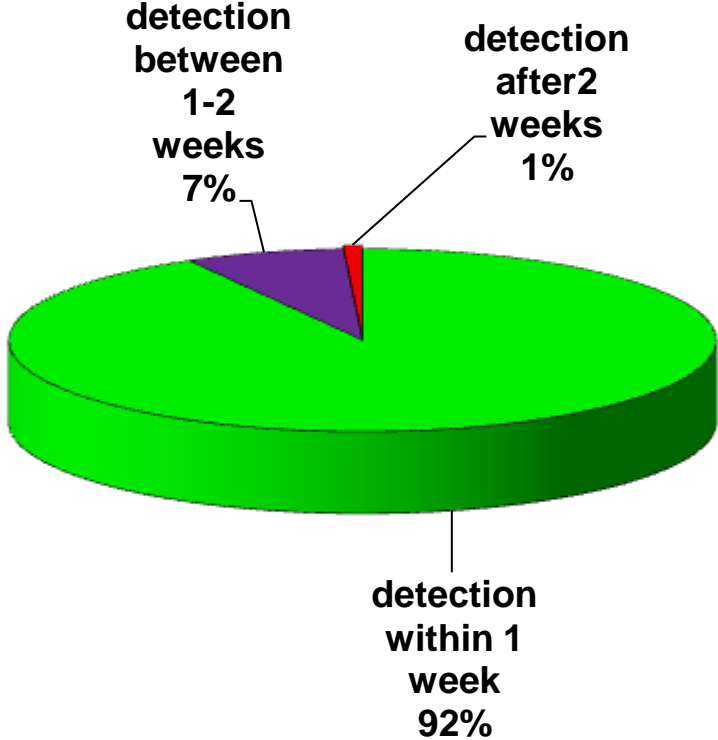


Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 233 AFP cases



***Up to week 29**

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

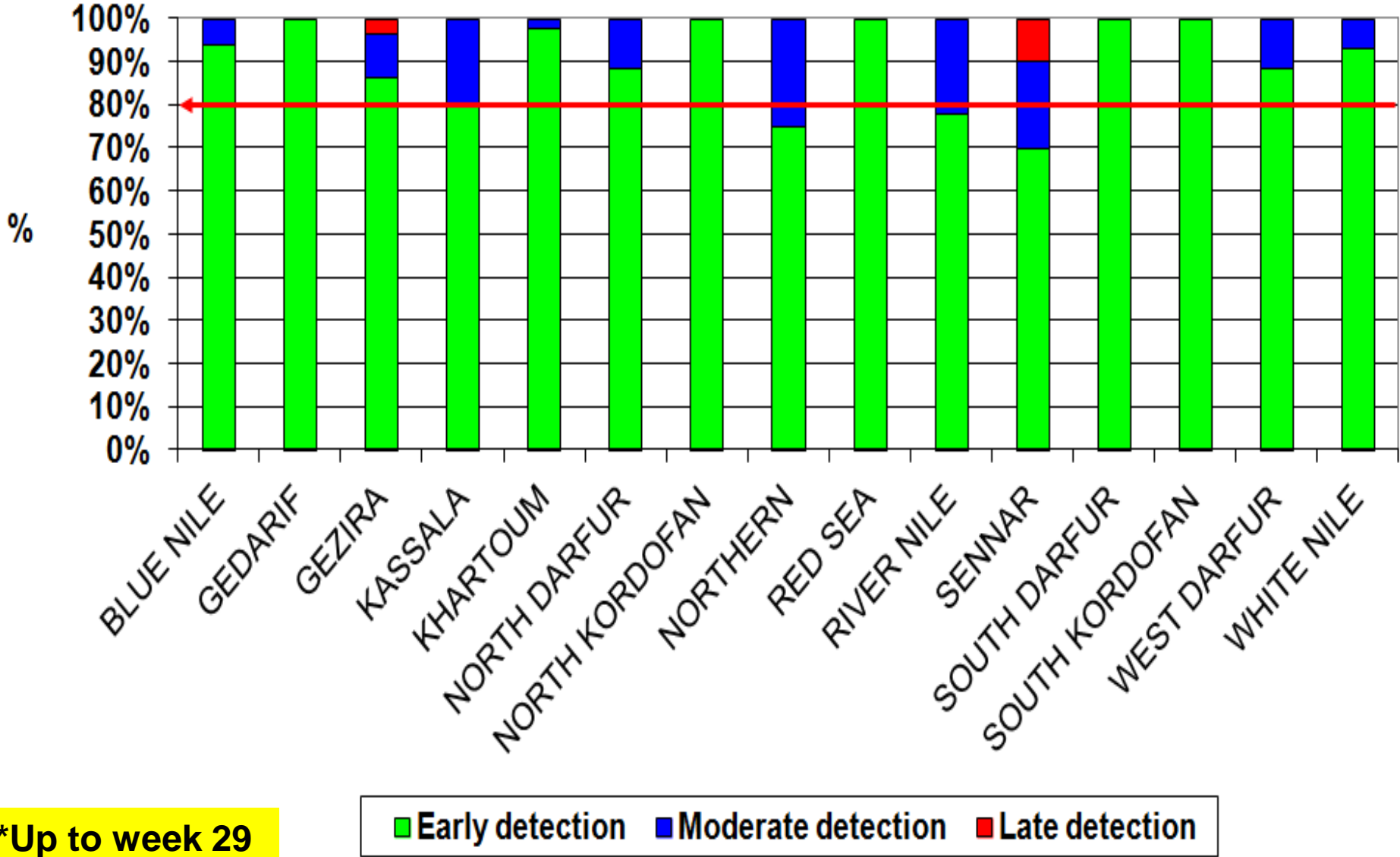
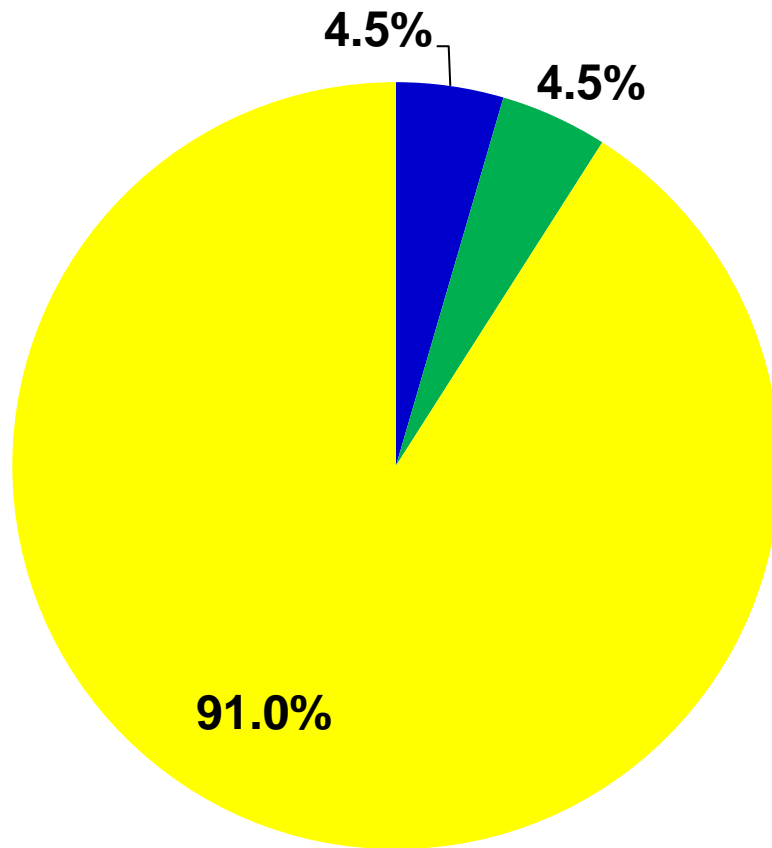


Table 1. Major AFP surveillance performance indicators, up to week 29, 2012

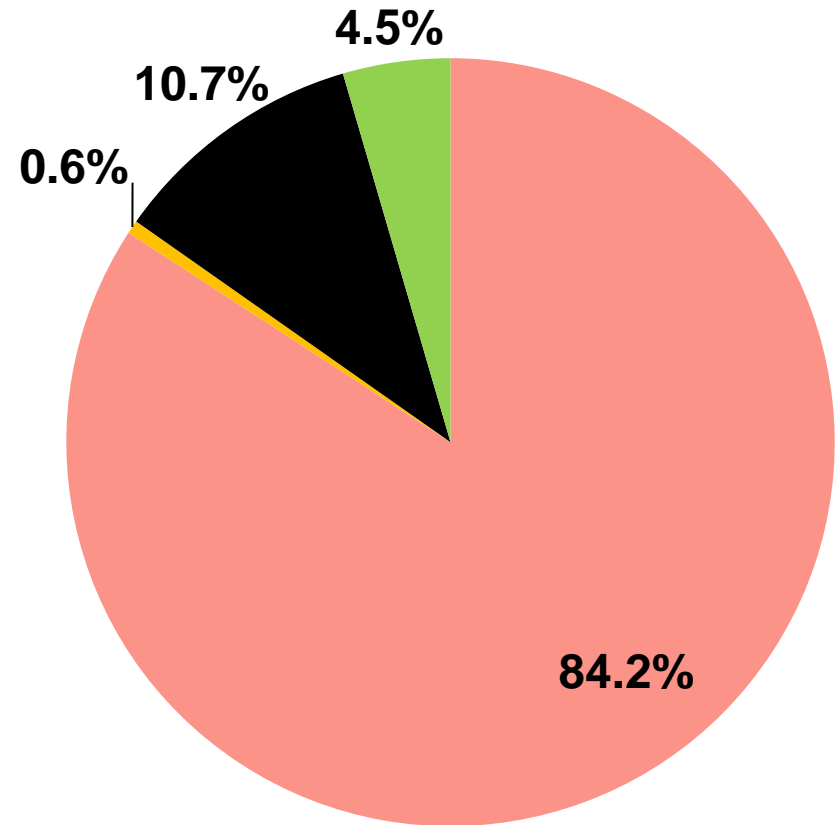
State	U 15 yrs population	Total reported AFP cases	Non-polio AFP cases	Pending classification	VDPV	Compatible cases	% Adequate stools	Annualized AFP rate	% NPEV
B. Nile	551,519	16	16	0	0	0	94%	5.2	13%
Gedarif	887,810	11	11	0	0	0	91%	2.2	9%
Gezira	1,974,675	29	29	0	0	0	97%	2.6	24%
Kasala	857,183	10	10	0	0	0	100%	2.1	10%
Khartoum	2,489,151	45	42	3	0	0	98%	3.2	11%
N.Darf	890,317	17	16	1	0	0	100%	3.4	12%
N.Kord	1,281,448	16	16	0	0	0	94%	2.2	13%
Northern	271,479	4	4	0	0	0	75%	2.6	25%
Red Sea	331,008	9	9	0	0	0	100%	4.9	11%
River Nile	470,091	9	9	0	0	0	100%	3.4	11%
Sennar	735,588	10	10	0	0	0	90%	2.4	20%
S.Darfur	1,806,686	16	15	0	1	0	94%	1.6	7%
S. Kord	974,048	10	10	0	0	0	100%	1.8	0%
W.Darfur	971,638	17	17	0	0	0	100%	3.1	24%
W. Nile	855,181	14	14	0	0	0	100%	2.9	14%
Total	15,347,822	233	228	4	1	0	97%	2.7	14%

Fig. 8: Sources of AFP cases up to week 29



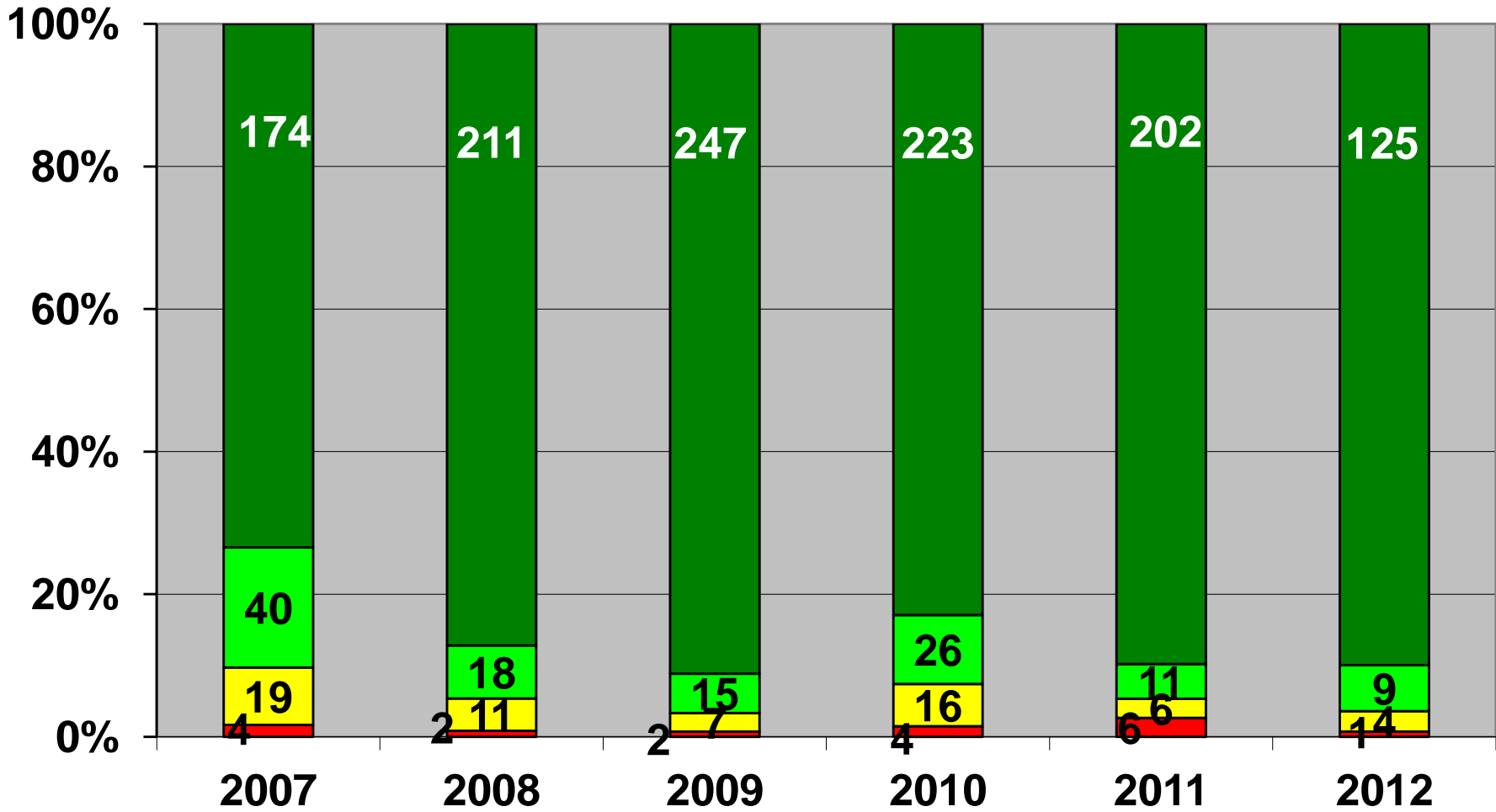
IDPs **Nomads** **Residents**

Fig. 9: Types of reporting sites up to week 29



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

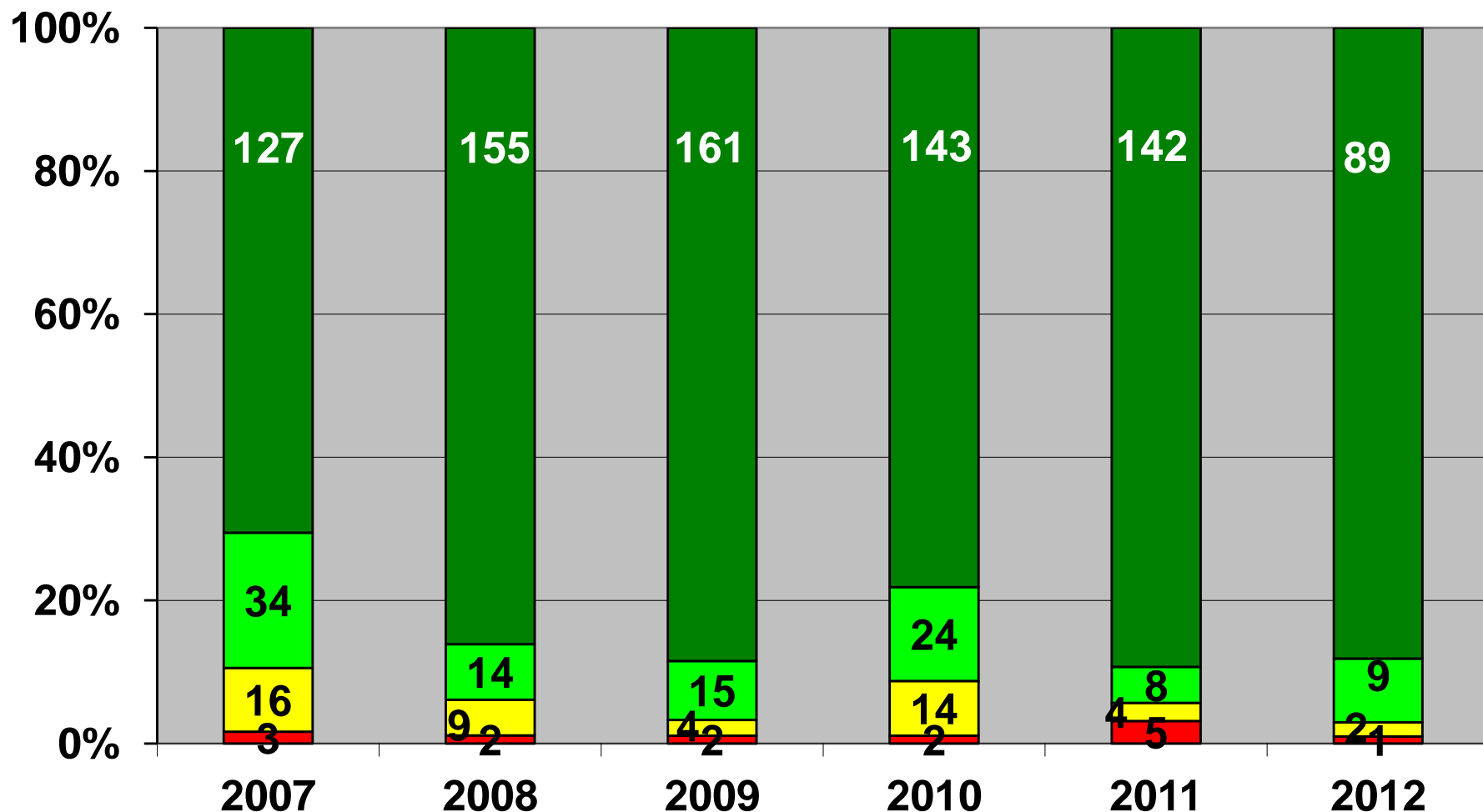
Fig. 10: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012*



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

*Up to week 29

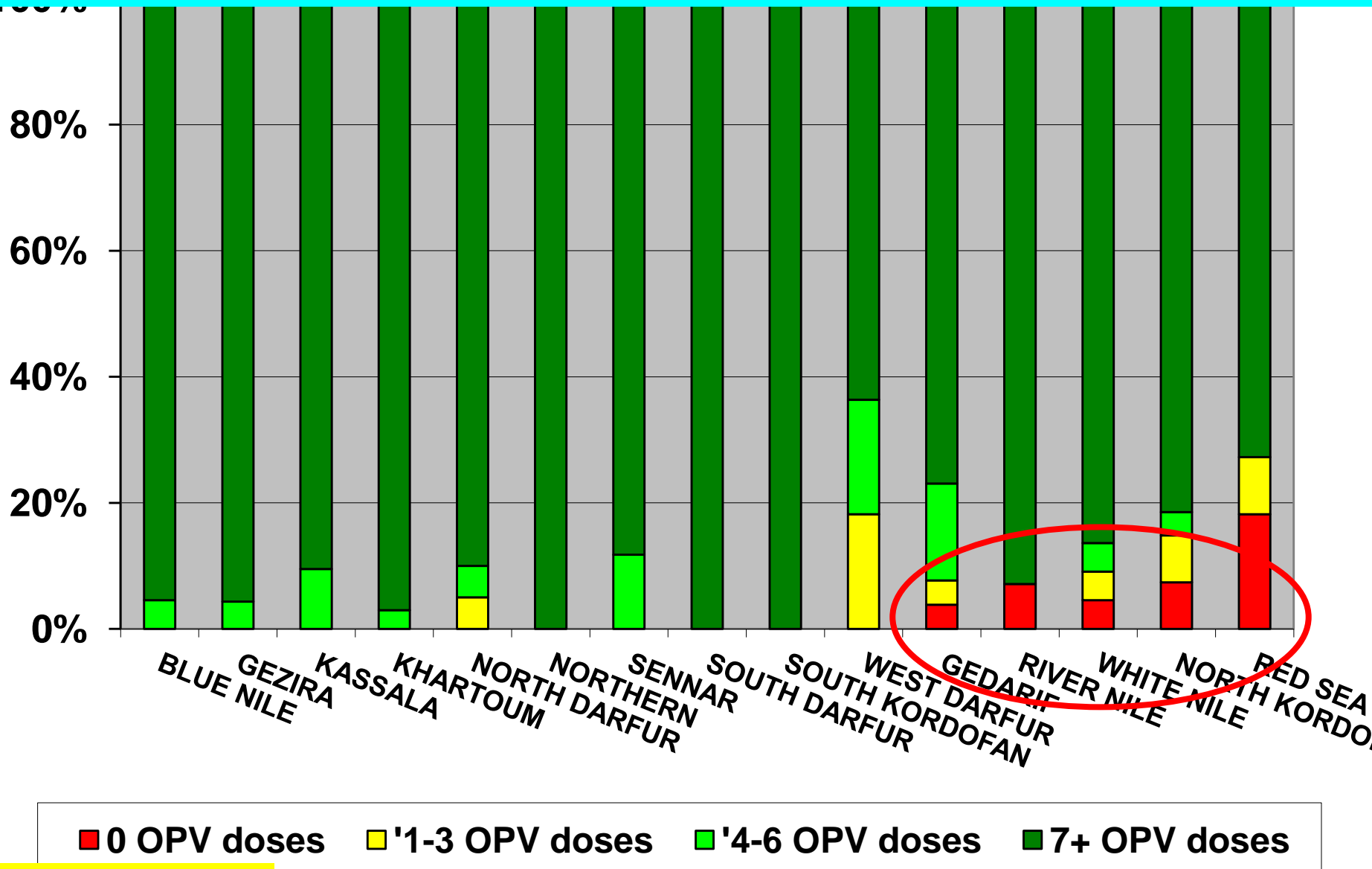
Fig. 11: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012*



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

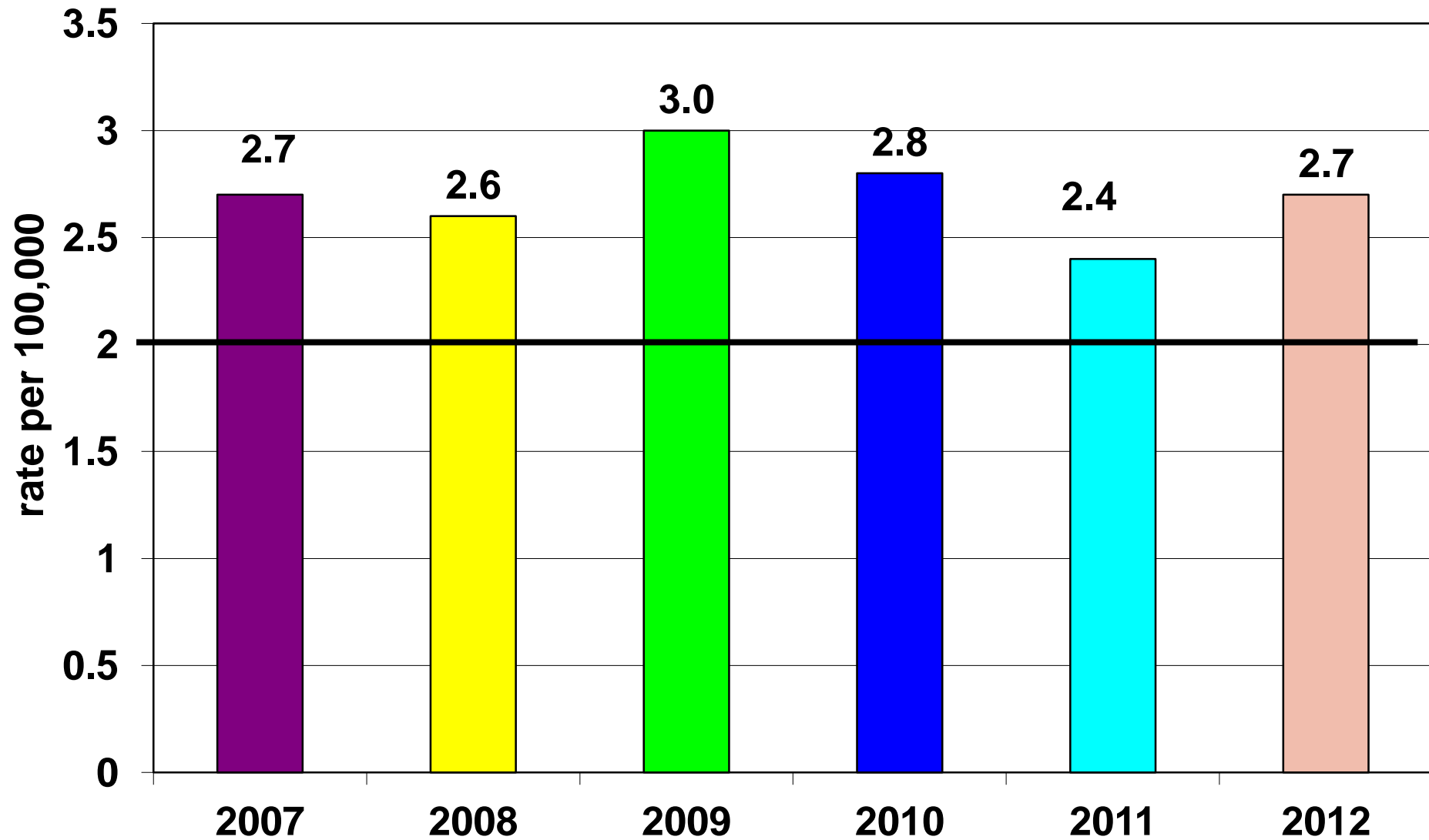
***Up to week 29**

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



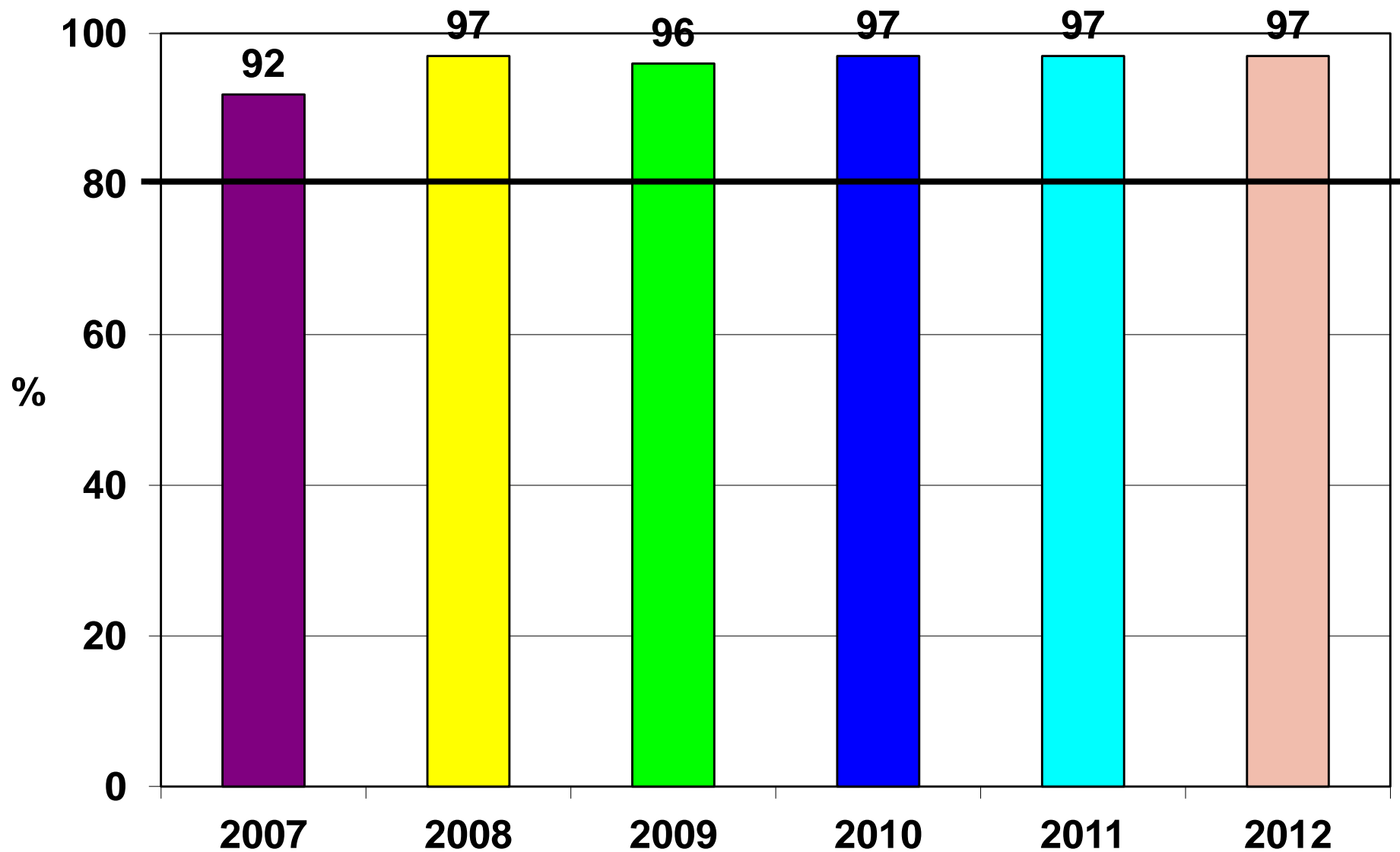
***Up to week 29**

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



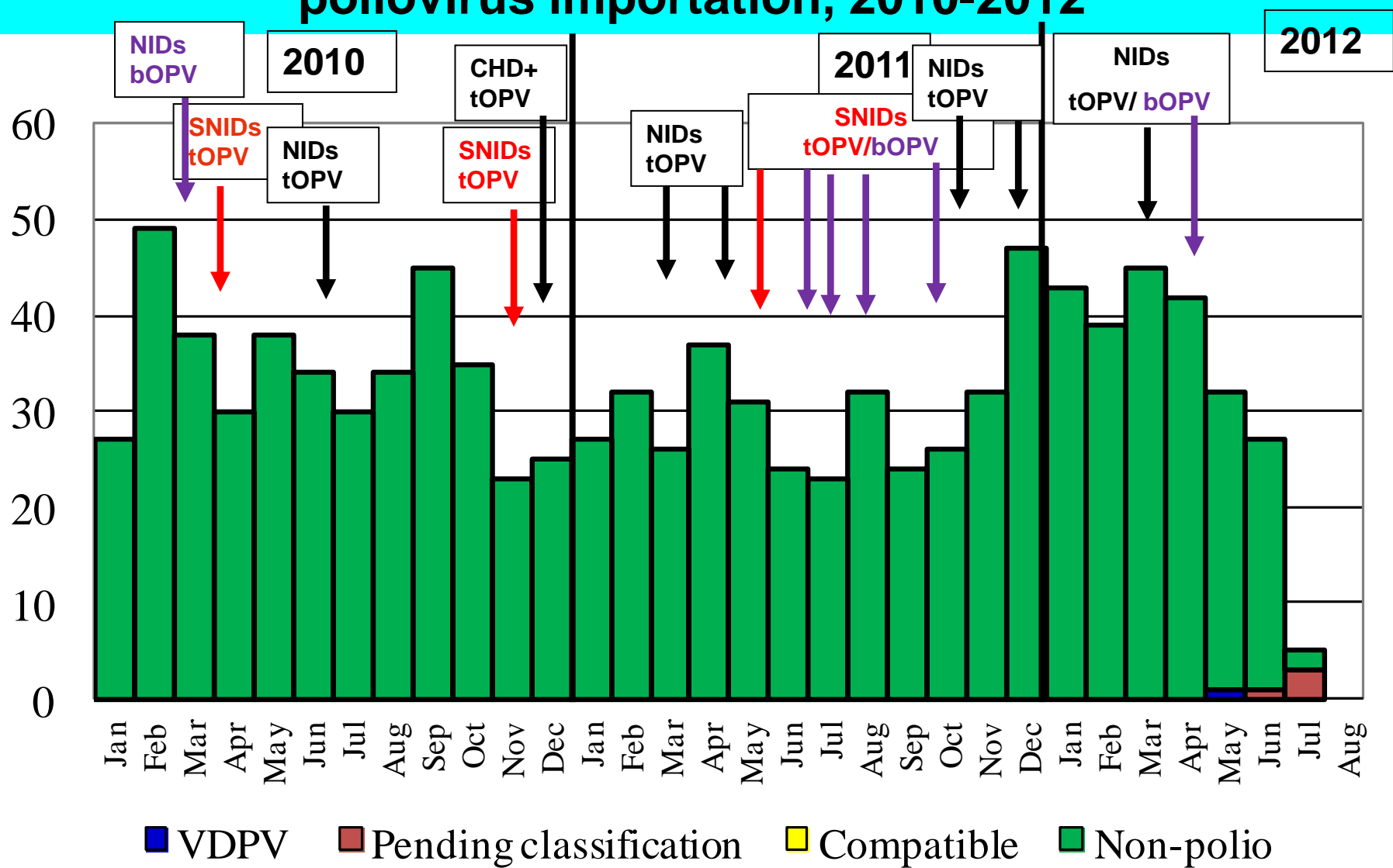
***Up to week 29**

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



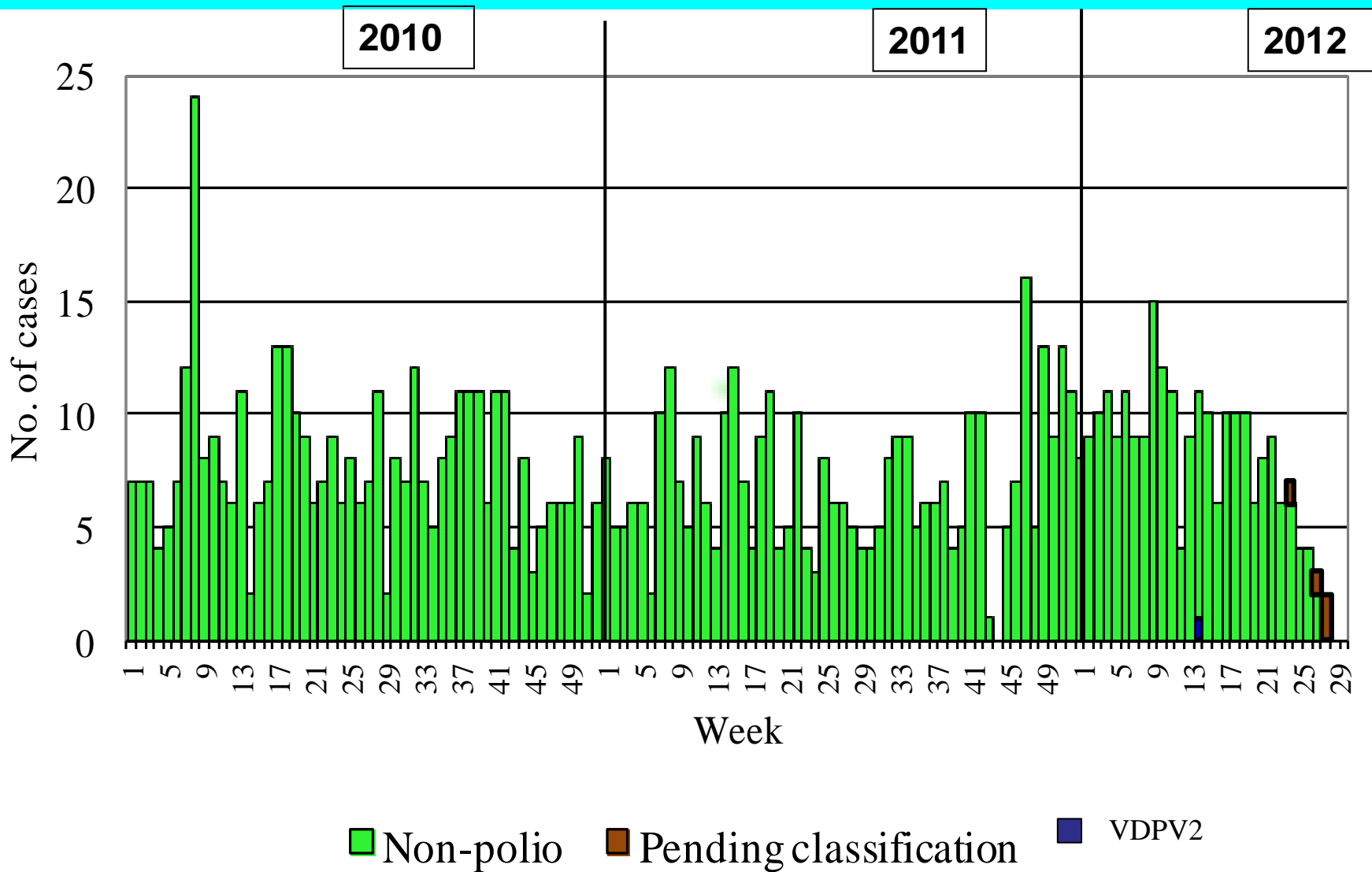
***Up to week 29**

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 29

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

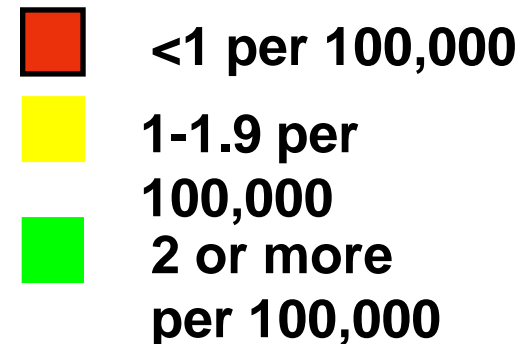


*Up to week 29

Map 3. Non-polio AFP rate by state, 2011 up to W29



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W29



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W29



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W29



■ <60%
 ■ 60% - 79%
■ 80% - 100%

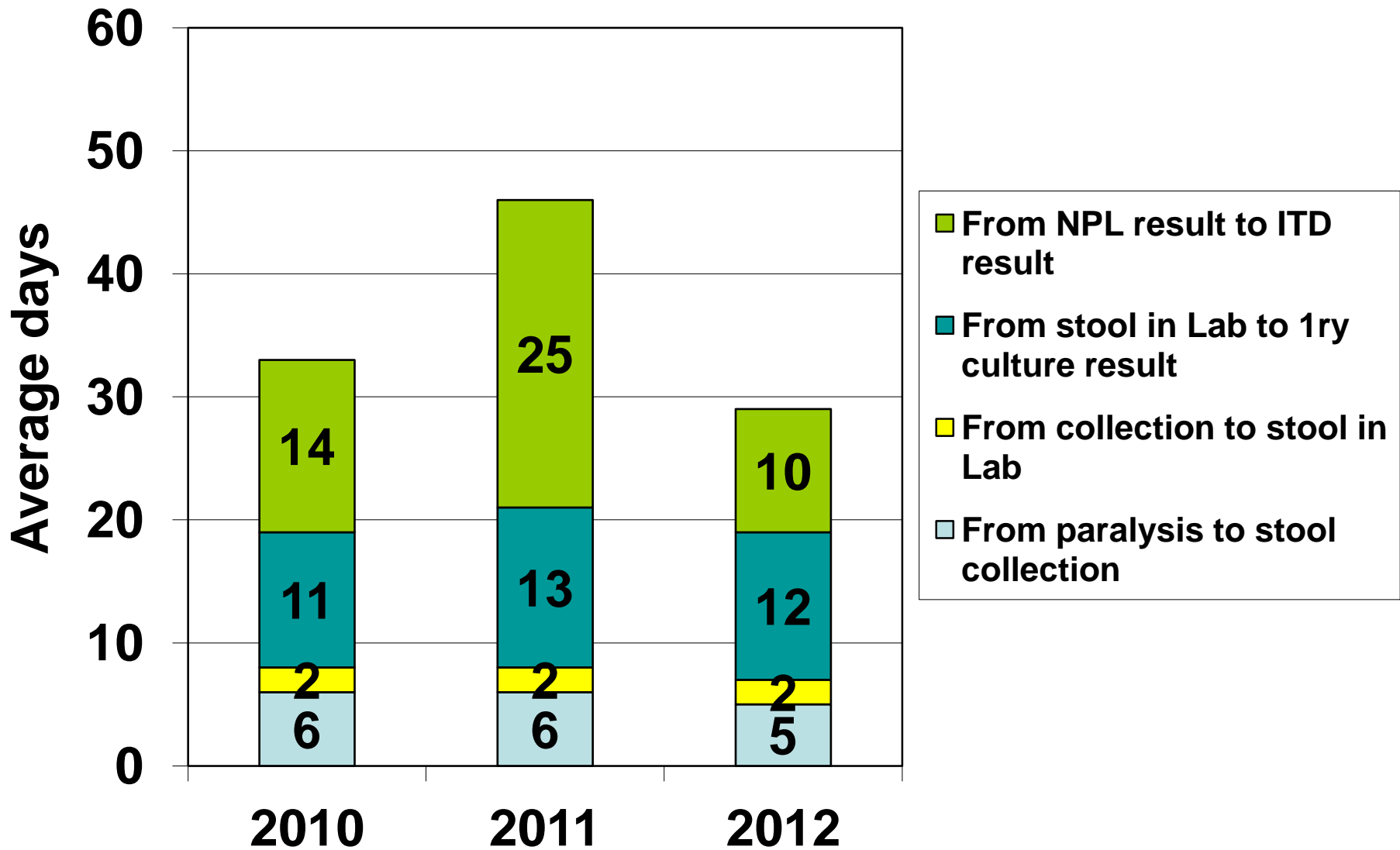
Table 2. National polio lab performance indicators 2010-2012 up to week 29

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	230	188	232
Cases with aVDPV2	0	0	1
Cases with non-polio enterovirus	13%	18%	14%
SL viruses No. & (%) from AFP cases	3(1.5%)	6(3.3%)	3(1.3%)
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	116	116	181
Contacts with non-polio enterovirus	8.8%	13%	11%
Sabin like viruses No. & (%) from contacts	0	5(4.8%)	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 29	230	12	2	188	28	13%	90%	86%	99%
2011 up to week 29	188	8	0	148	32	17%	84%	83%	100%
2012 up to week 29	232	3	0	197	32	14%	93%	85%	99%

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



*Up to week 29