



World Health Organization

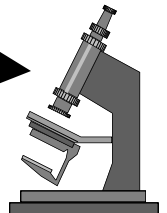
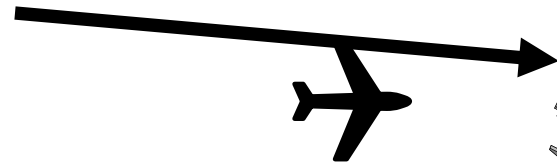
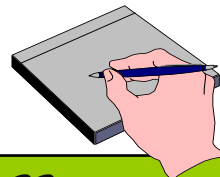
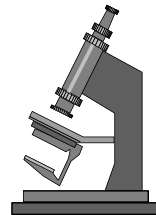
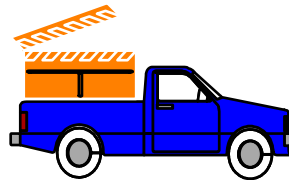
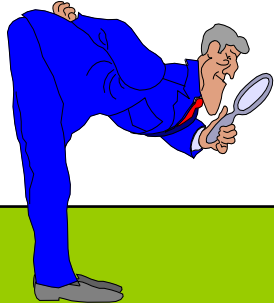


Republic of Sudan



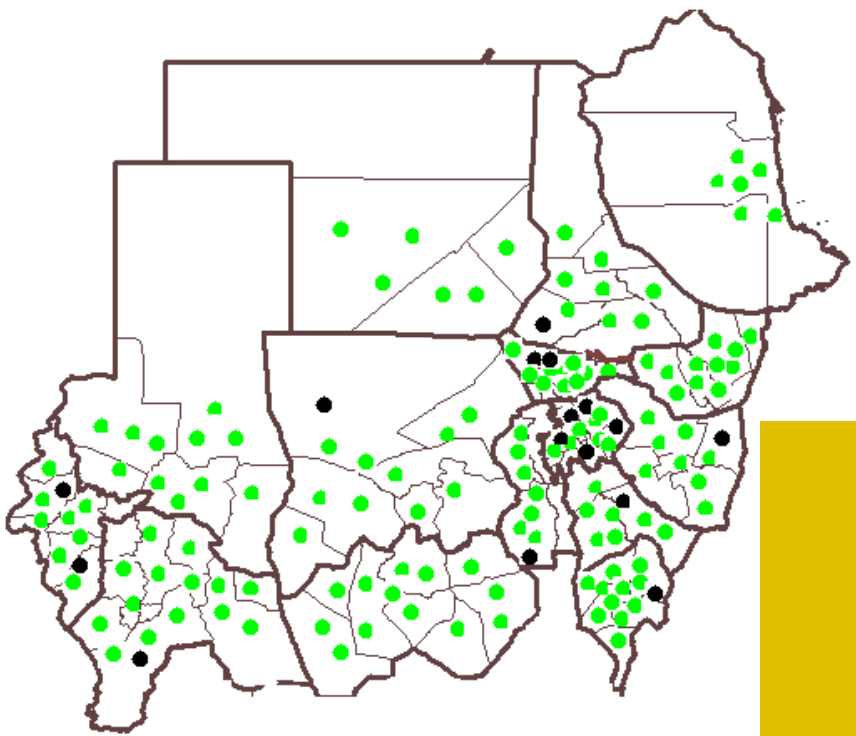
**Weekly AFP surveillance report
week 27**

Ending on 8 July 2012

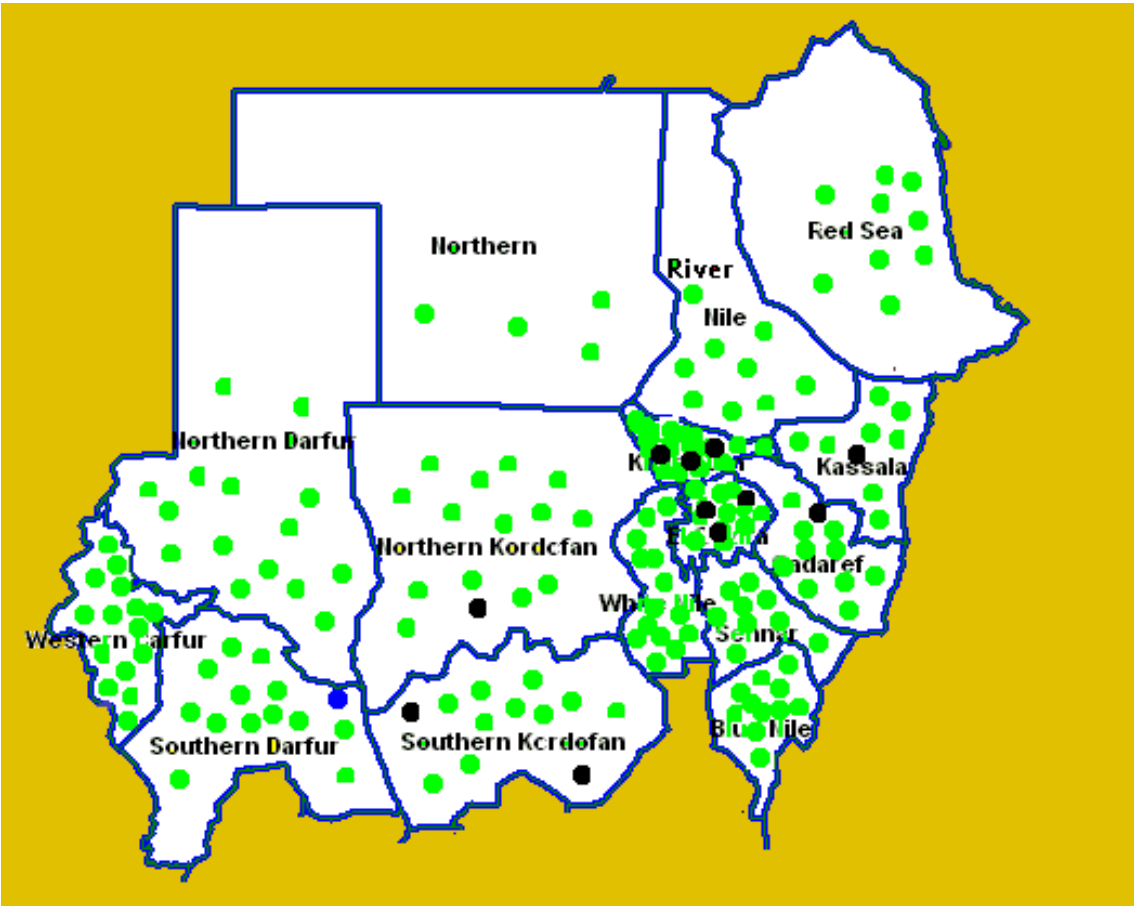


AFP Surveillance central unit

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



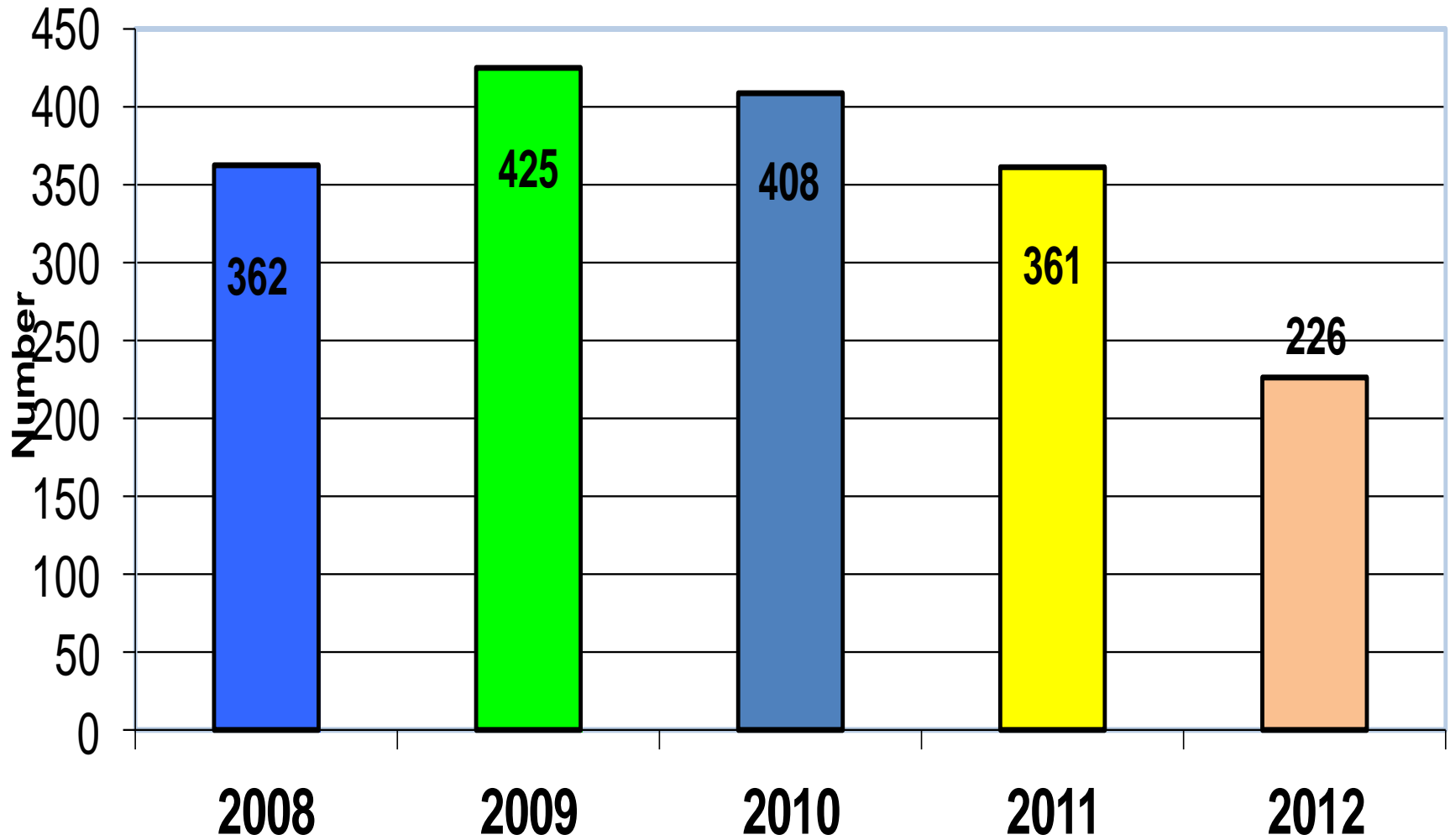
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



- Non-polio AFP
- Pending classification
- VDPV

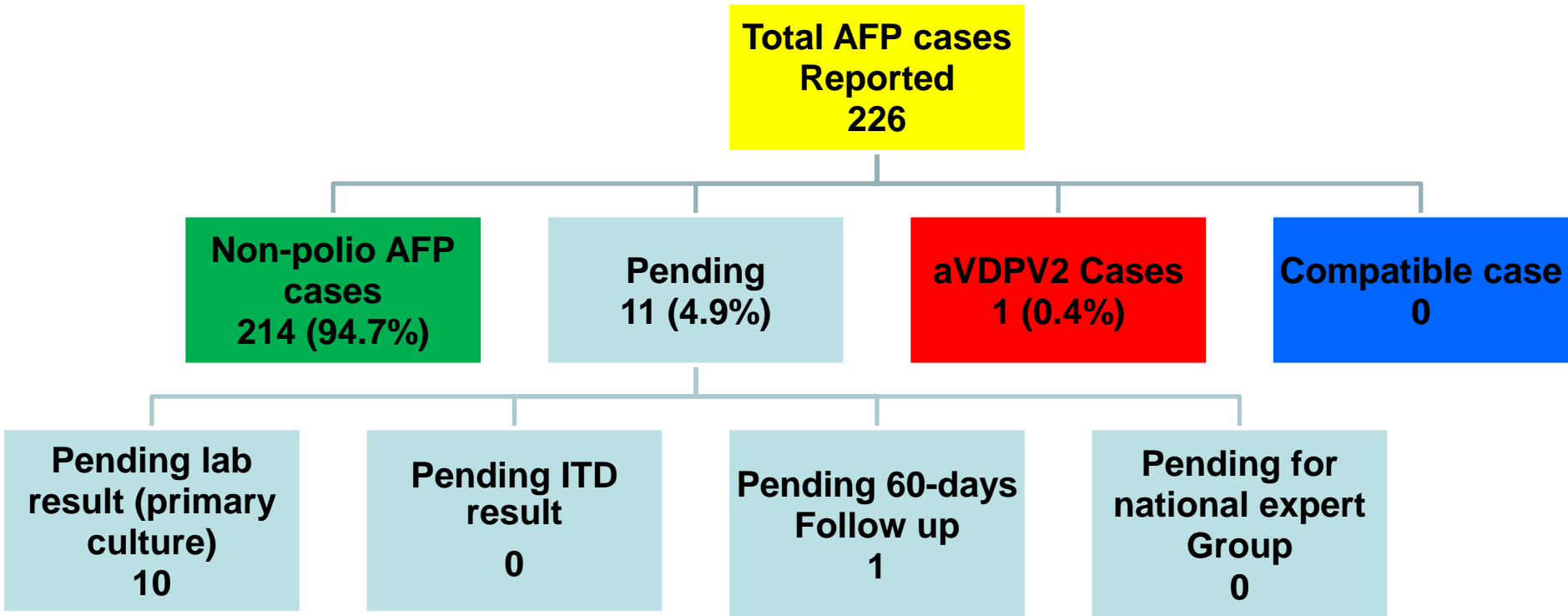
***Up to week 27**

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



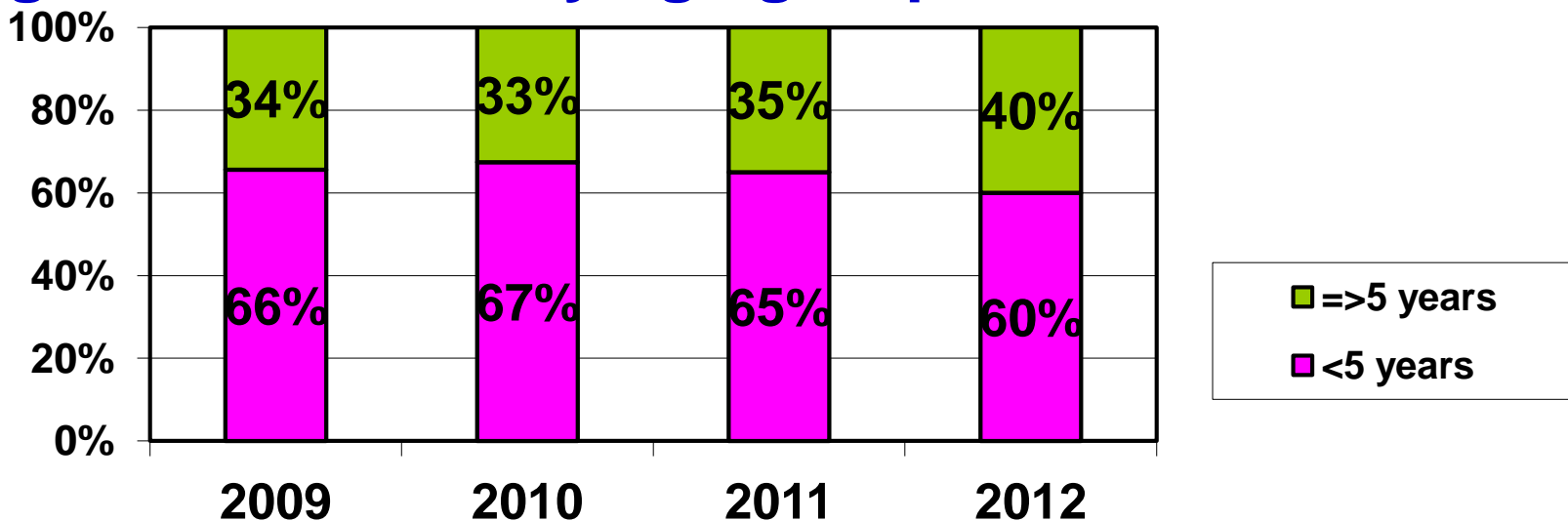
***Up to week 27**

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



***Up to week 27**

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



*Up to week 27

Fig. 4: AFP cases by sex 2009 – 2012*

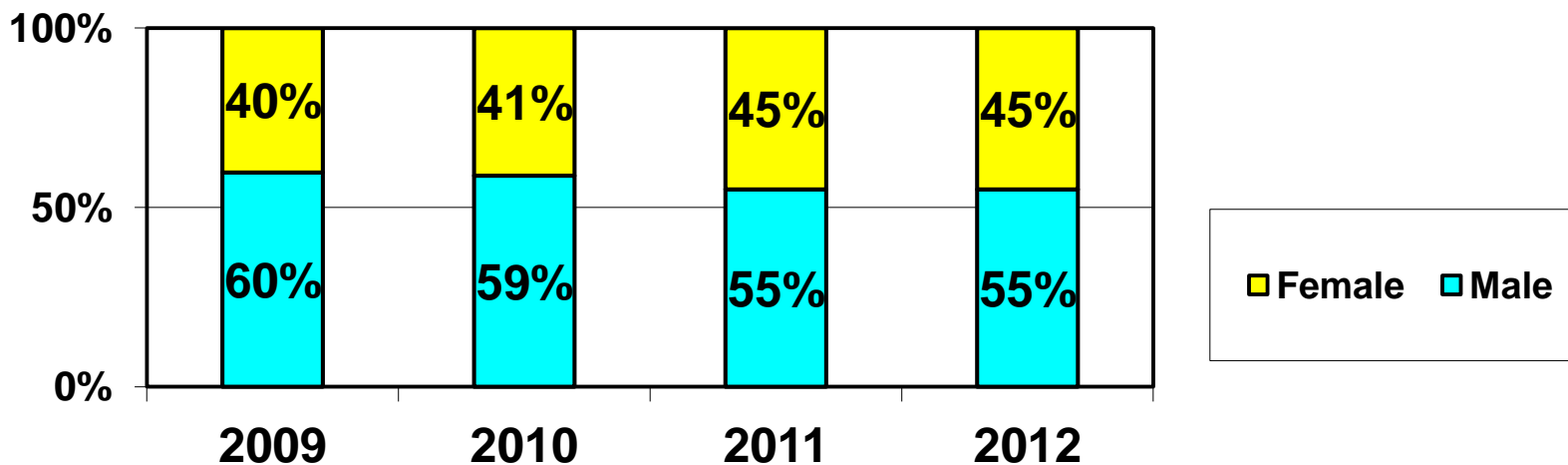


Fig. 5: Percent distribution of AFP cases by time of detection, 2011*

N = 177 AFP cases

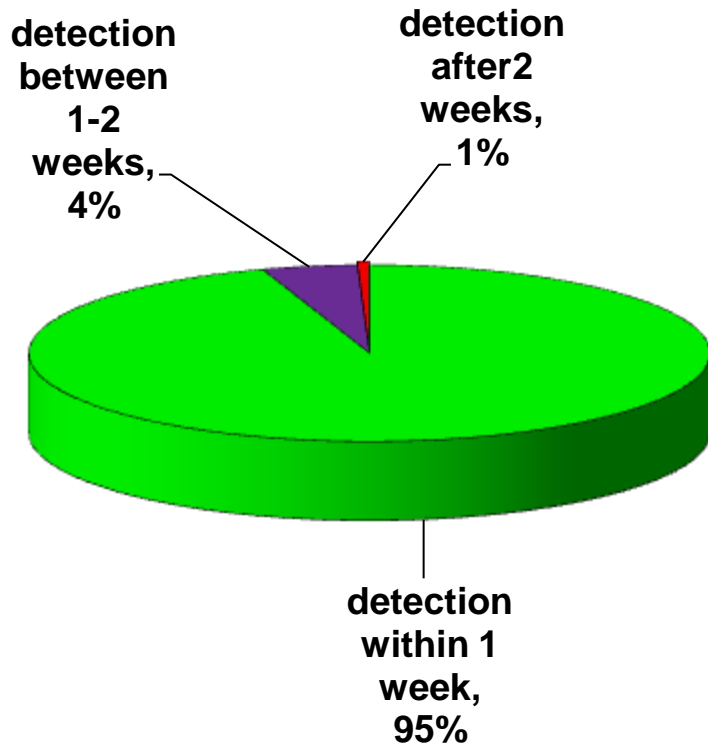
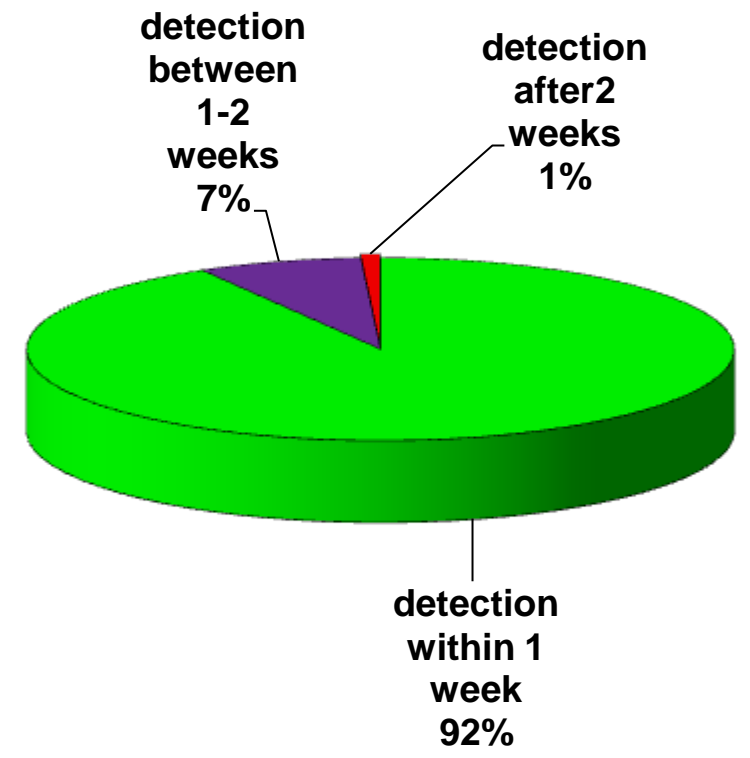


Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 226 AFP cases



***Up to week 27**

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

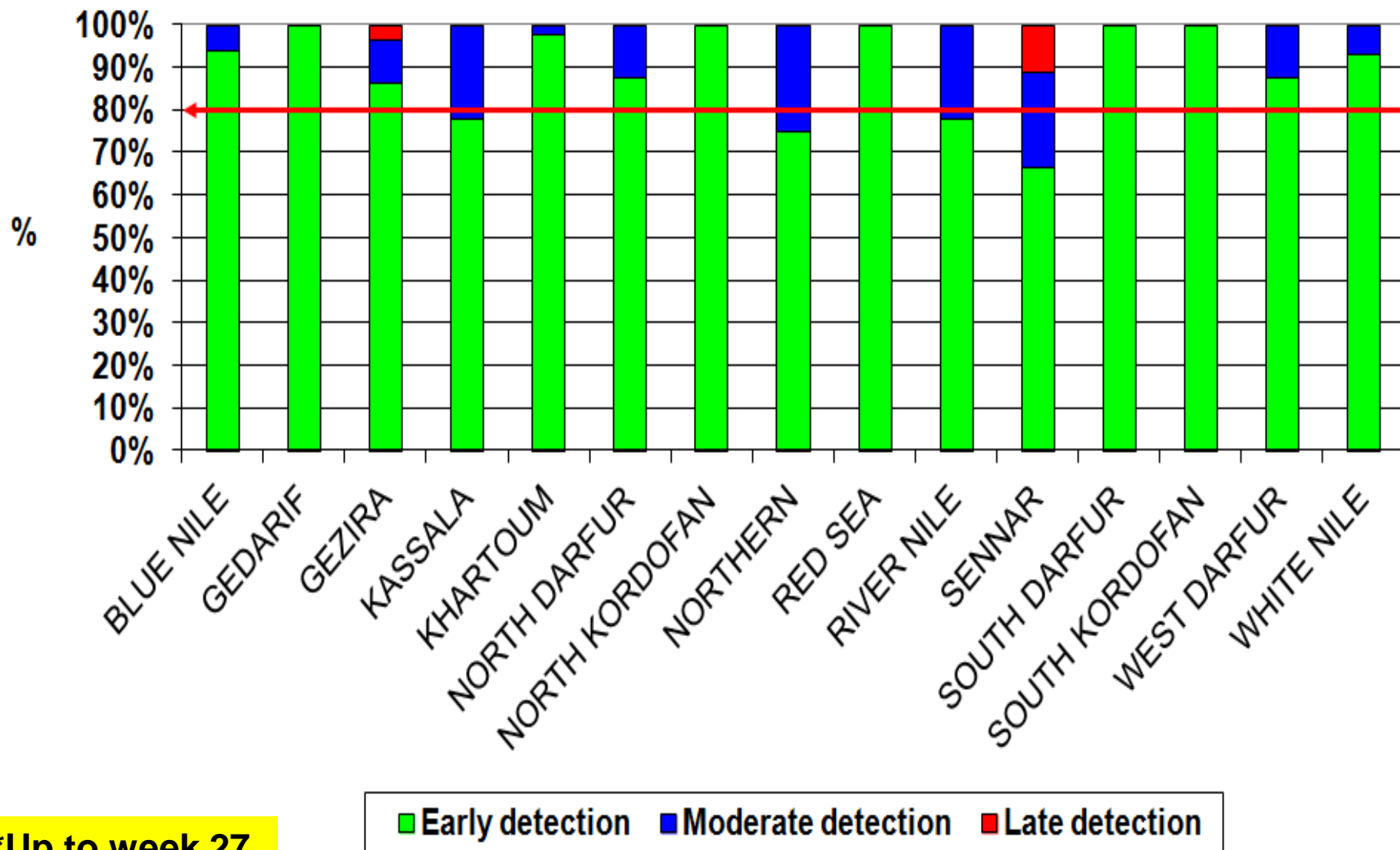
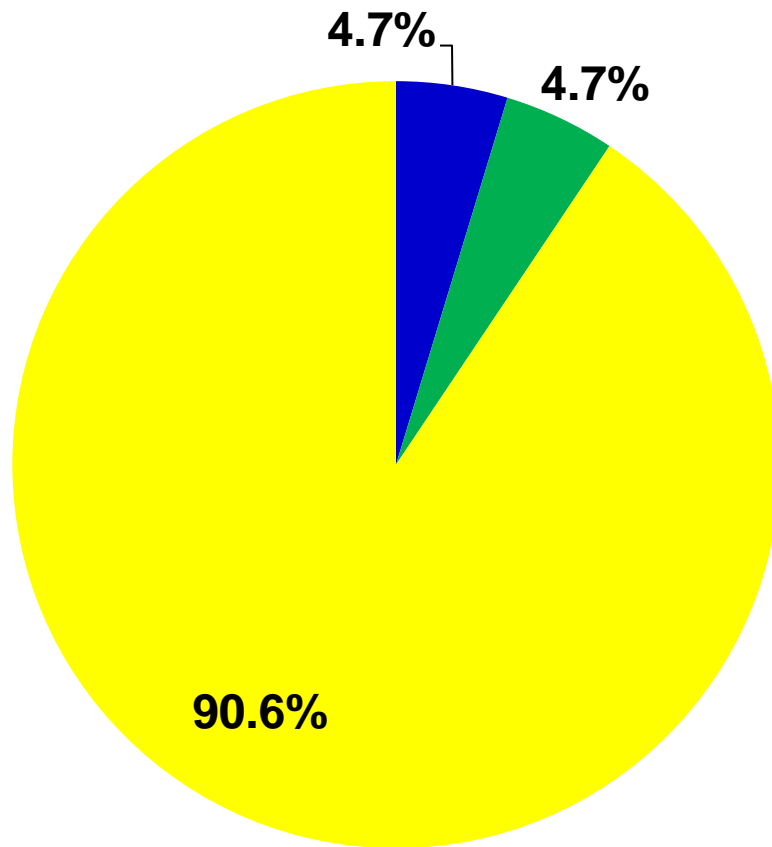


Table 1. Major AFP surveillance performance indicators, up to week 27, 2012

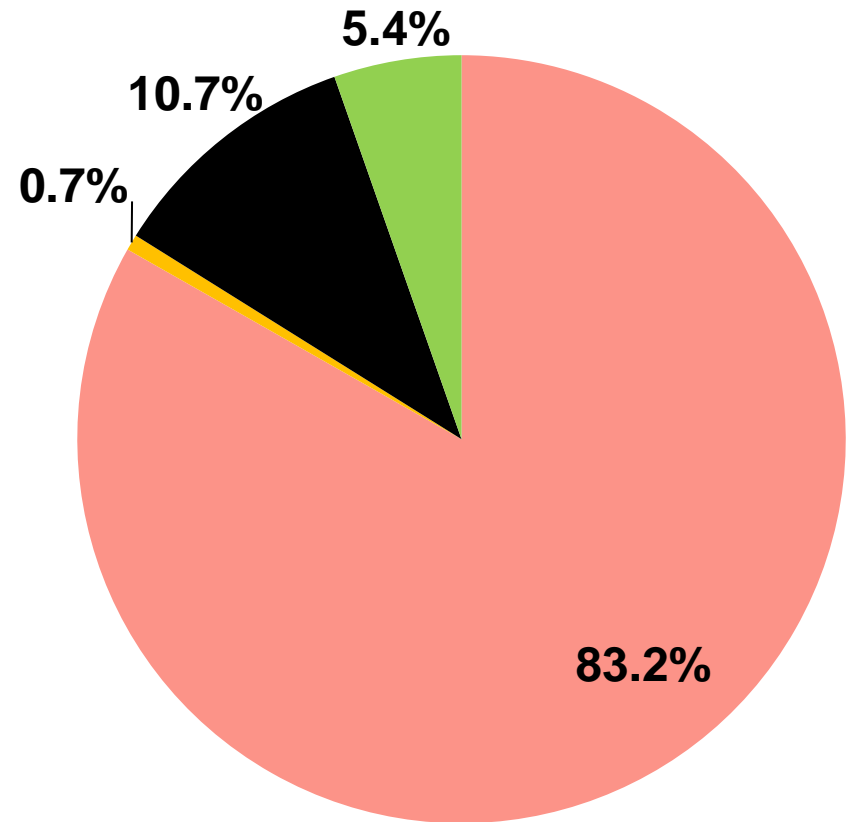
State	U 15 yrs population	Total reported AFP cases	Non-polio AFP cases	Pending classification	VDPV	Compatible cases	% Adequate stools	Annualized AFP rate	% NPEV
B. Nile	551,519	16	16	0	0	0	94%	5.6	13%
Gedarif	887,810	11	10	1	0	0	91%	2.4	10%
Gezira	1,974,675	29	26	3	0	0	97%	2.8	23%
Kasala	857,183	9	8	1	0	0	100%	2.0	11%
Khartoum	2,489,151	42	39	3	0	0	98%	3.2	12%
N.Darf	890,317	16	16	0	0	0	100%	3.5	13%
N.Kord	1,281,448	16	15	1	0	0	94%	2.4	13%
Northern	271,479	4	4	0	0	0	75%	2.8	25%
Red Sea	331,008	9	9	0	0	0	100%	5.2	11%
River Nile	470,091	9	9	0	0	0	100%	3.7	11%
Sennar	735,588	9	9	0	0	0	89%	2.4	22%
S.Darfur	1,806,686	16	13	2	1	0	94%	1.7	7%
S. Kord	974,048	10	10	0	0	0	100%	2.0	0%
W.Darfur	971,638	16	16	0	0	0	100%	3.2	25%
W. Nile	855,181	14	14	0	0	0	100%	3.2	14%
Total	15,347,822	226	214	11	1	0	96%	2.8	14%

Fig. 8: Sources of AFP cases up to week 27



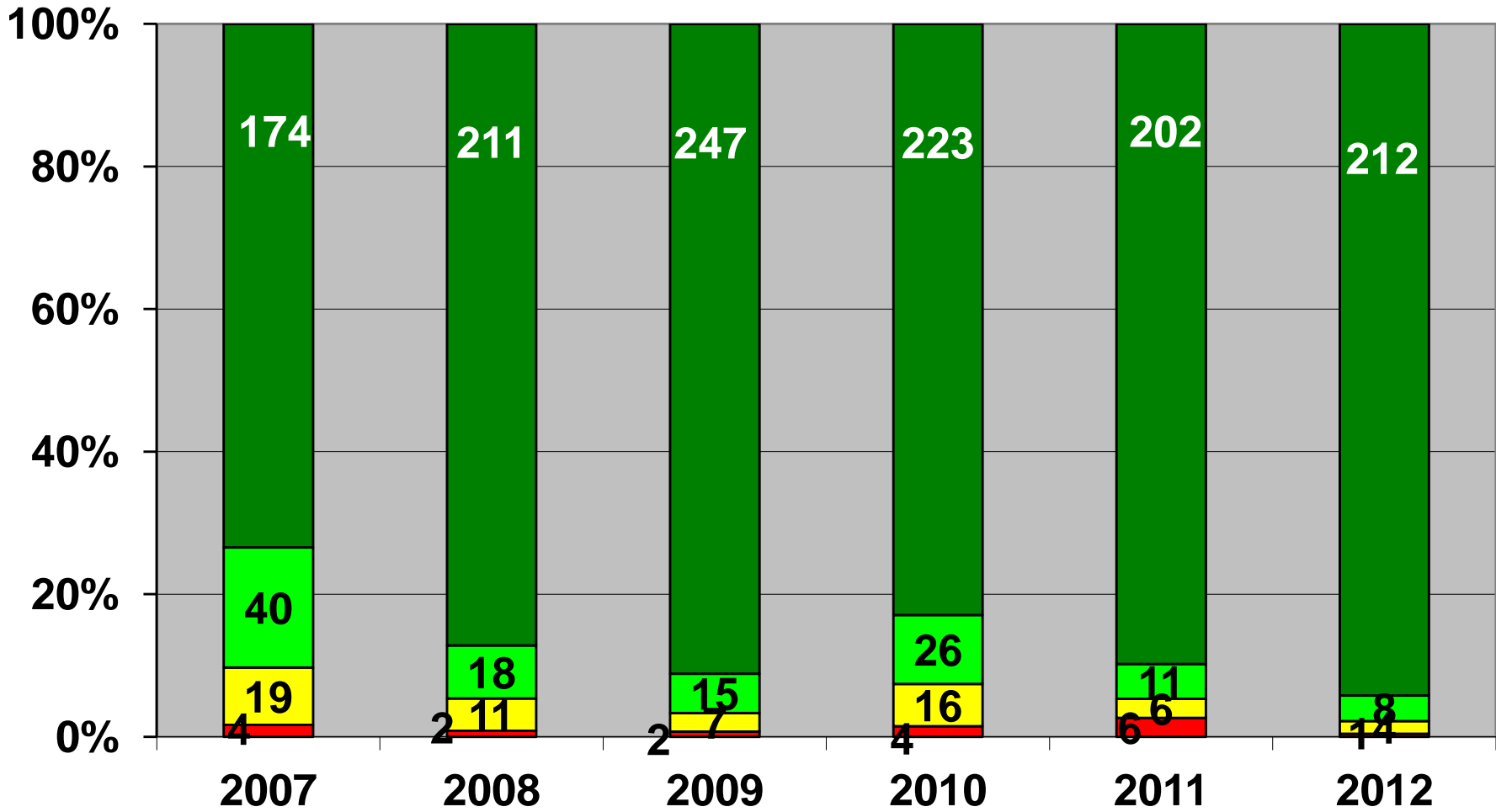
IDPs **Nomads** **Residents**

Fig. 9: Types of reporting sites up to week 27



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

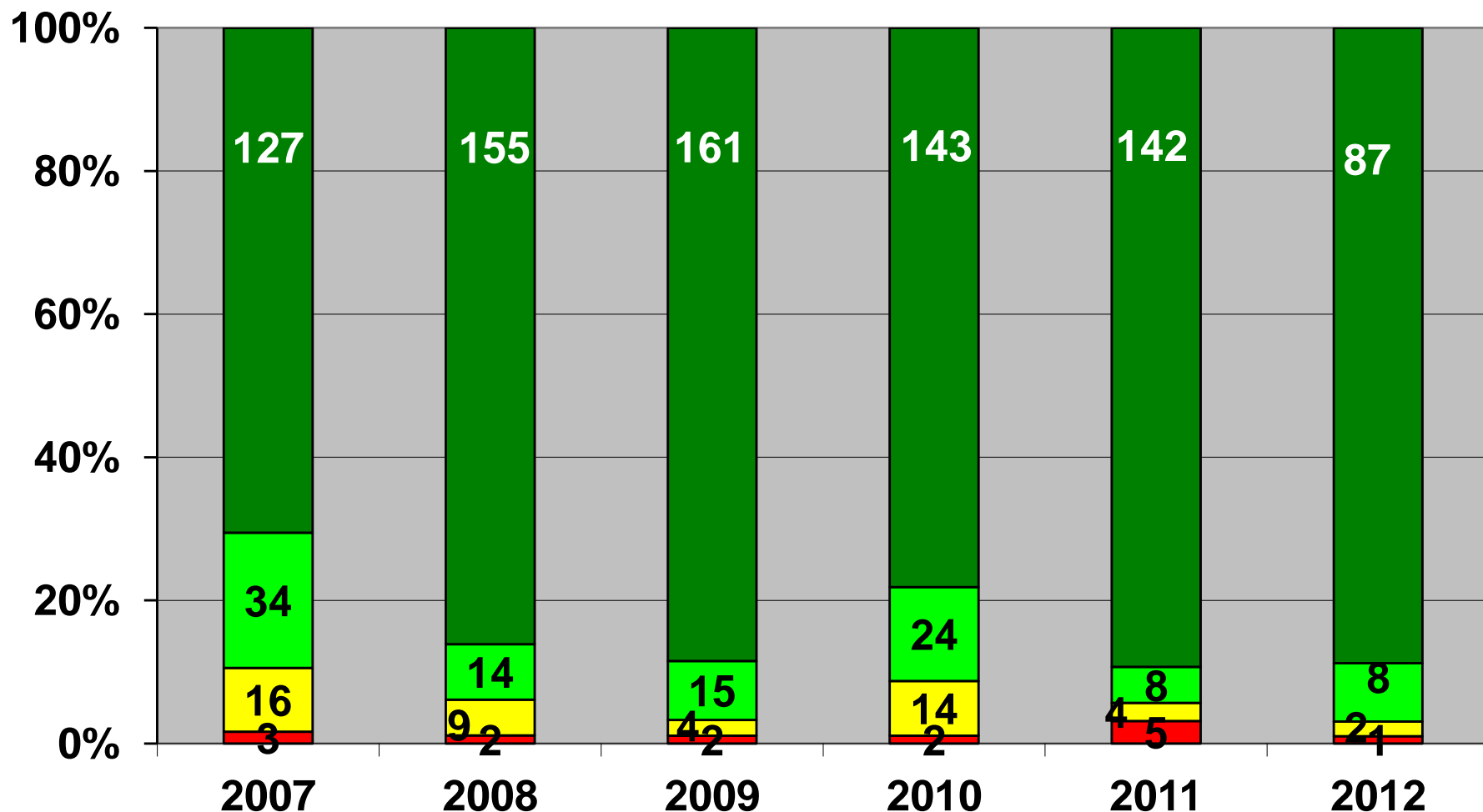
Fig. 10: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012*



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

*Up to week 27

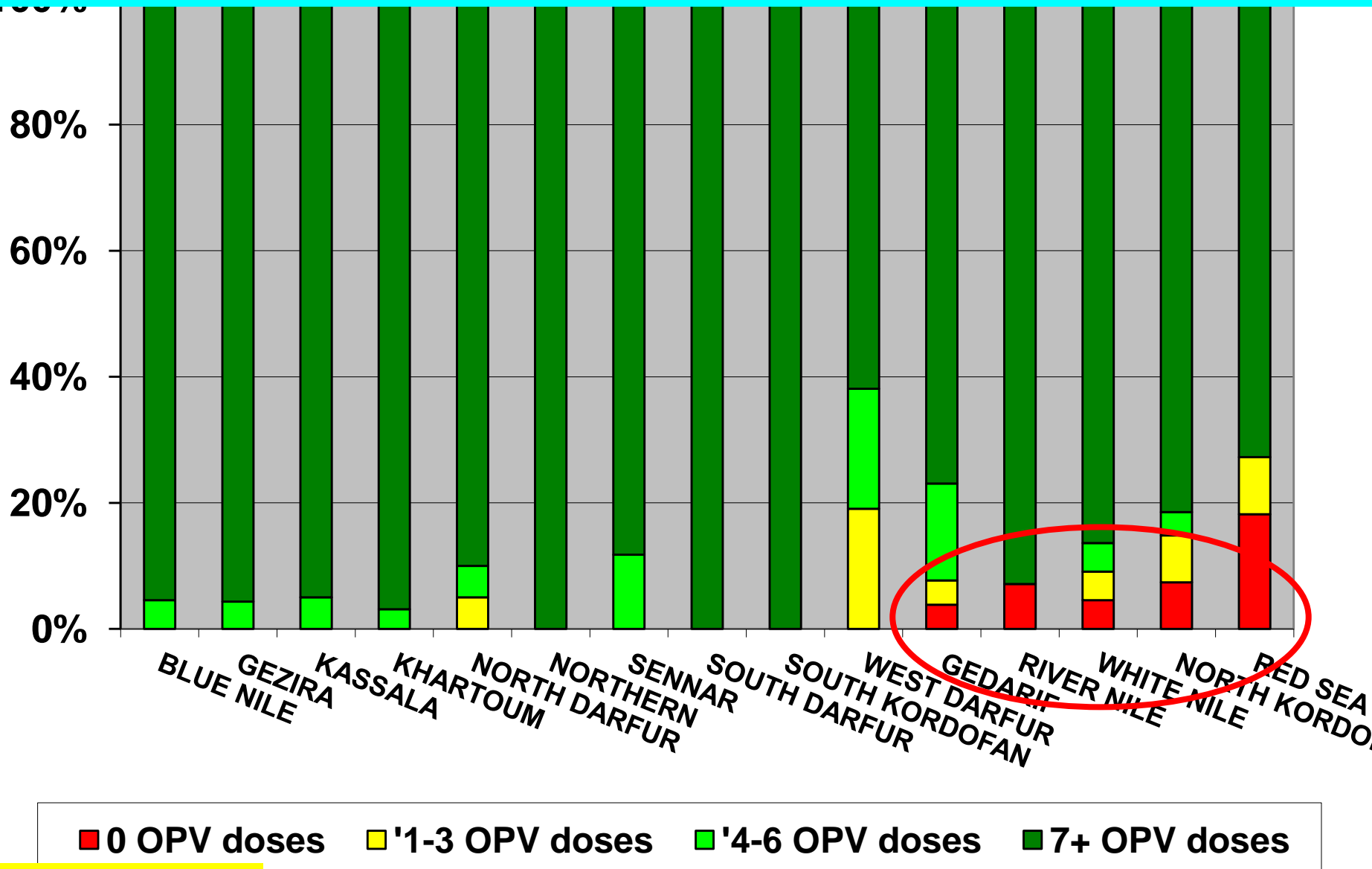
Fig. 11: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012*



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

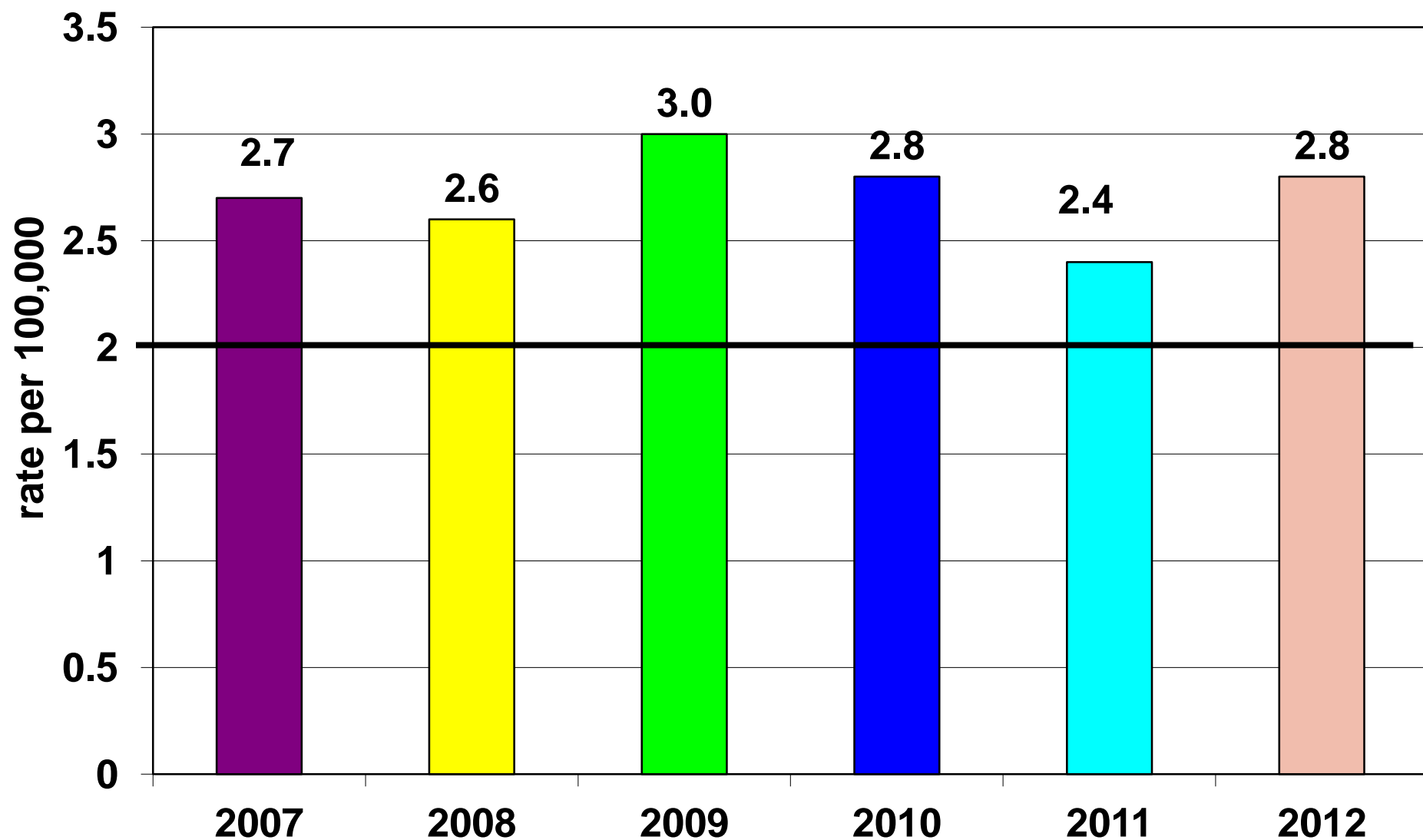
*Up to week 27

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



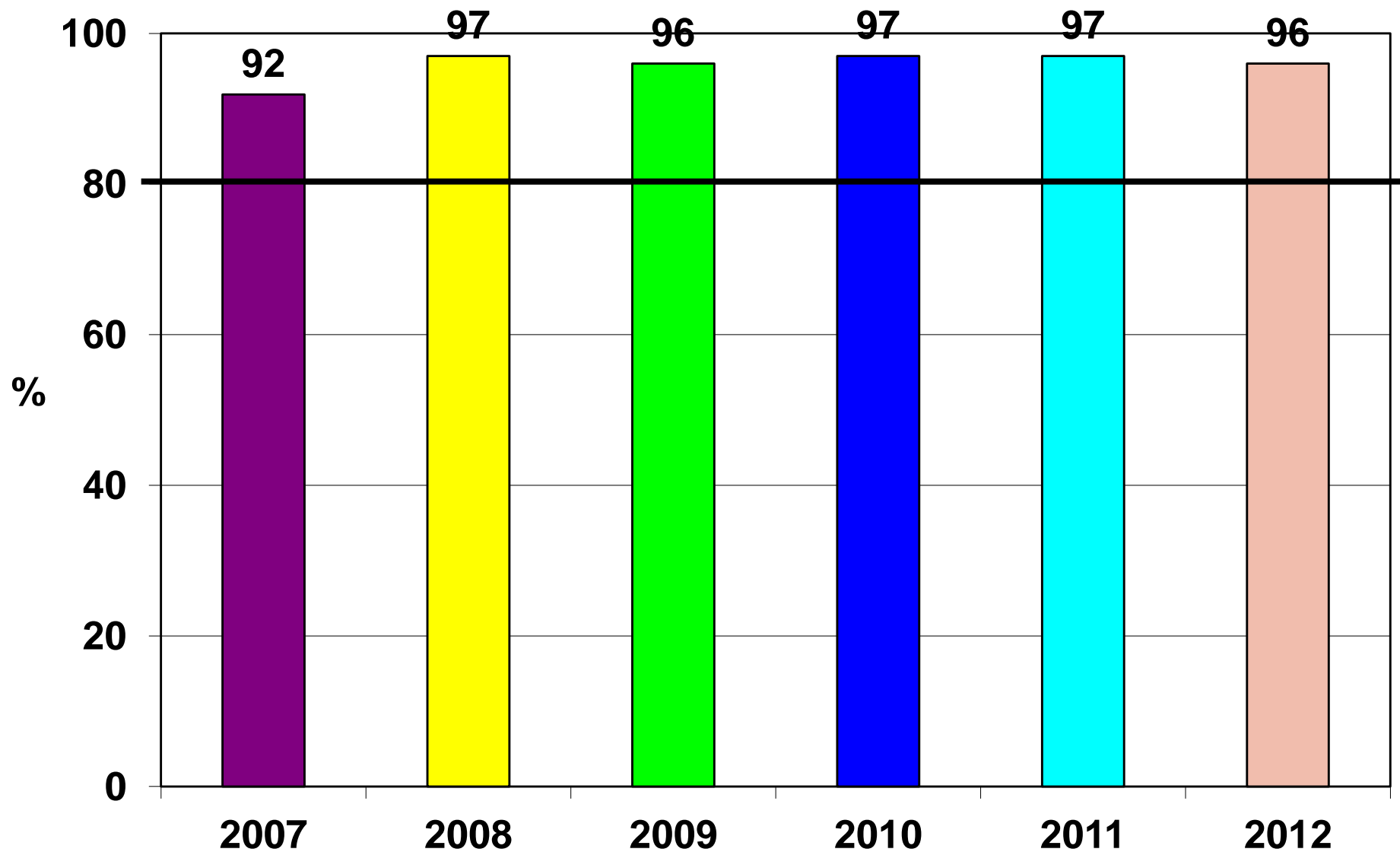
*Up to week 27

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



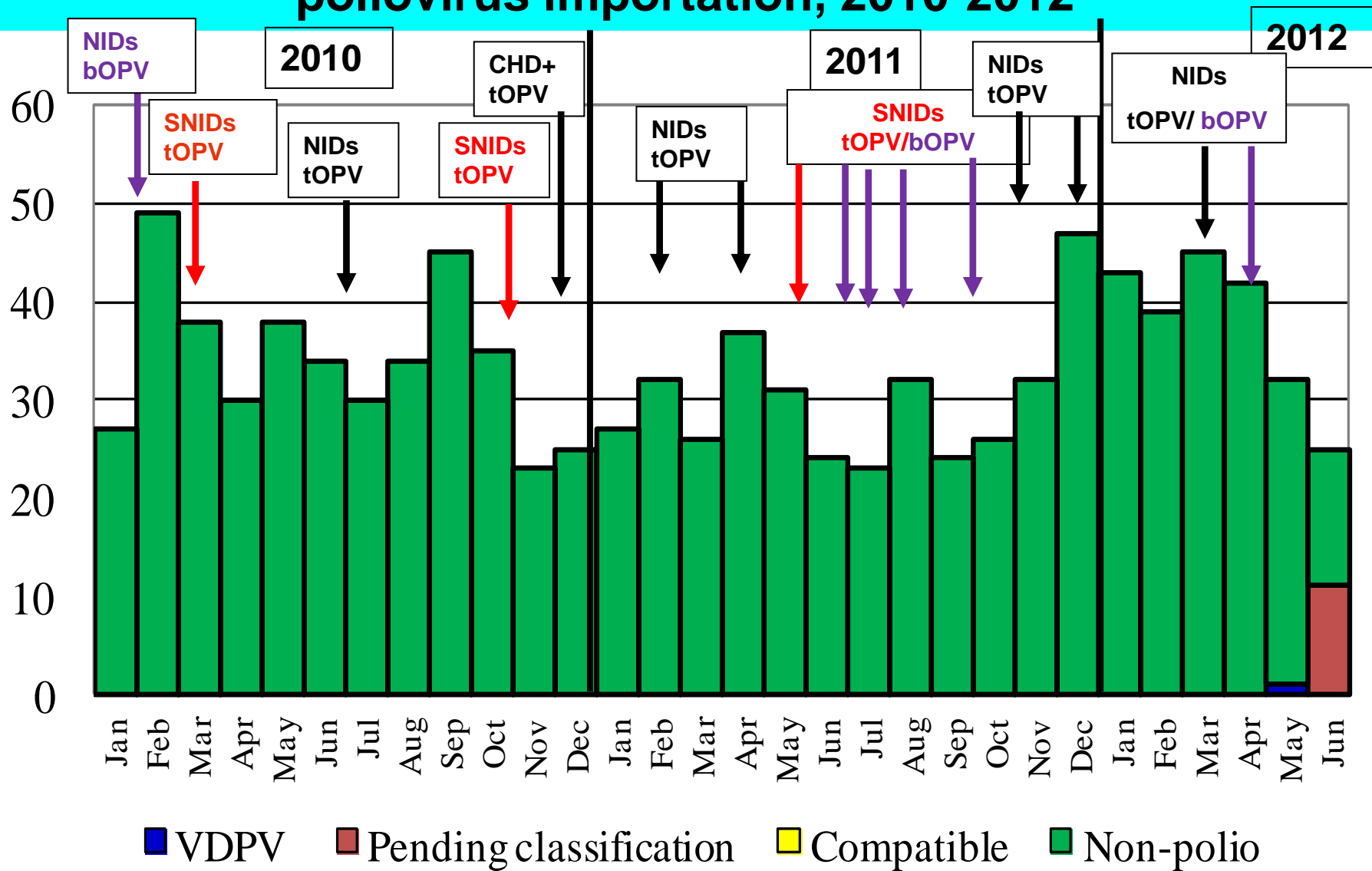
***Up to week 27**

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



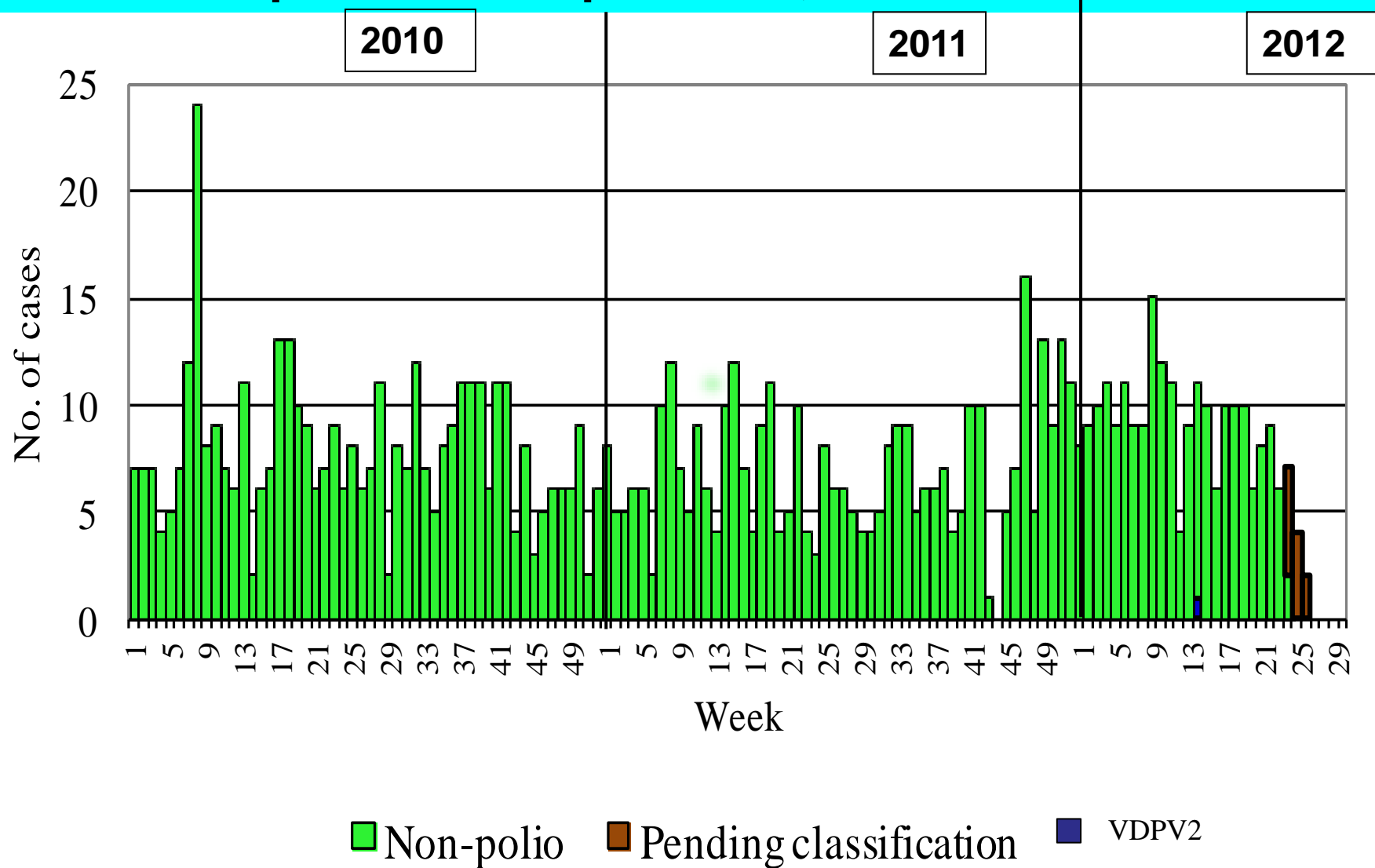
***Up to week 27**

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 27

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

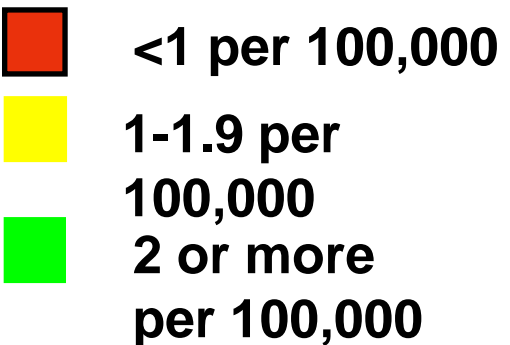


***Up to week 27**

Map 3. Non-polio AFP rate by state, 2011 up to W27



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W27



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W27



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W27

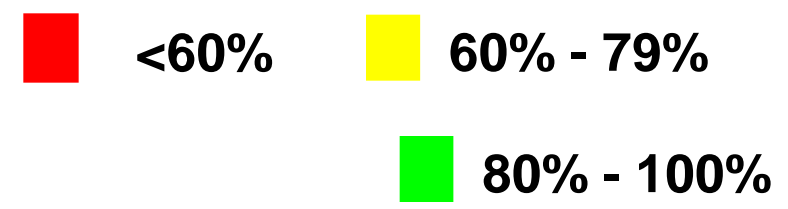


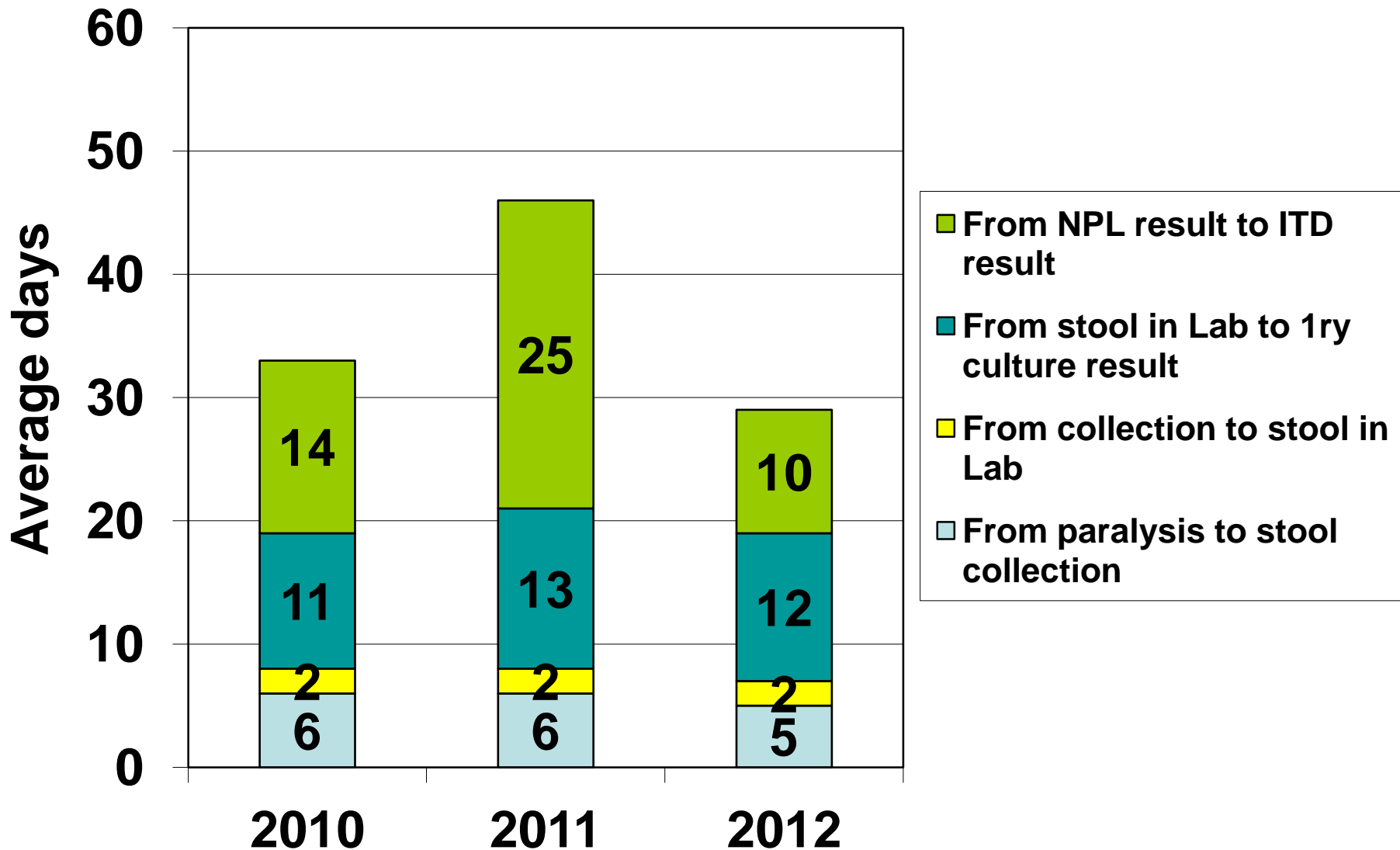
Table 2. National polio lab performance indicators 2010-2012 up to week 27

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	215	177	226
Cases with aVDPV2	0	0	1
Cases with non-polio enterovirus	9%	17%	14%
SL viruses No. & (%) from AFP cases	1(0.5%)	5(3.1%)	3(1.4%)
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	112	99	178
Contacts with non-polio enterovirus	8.8%	10.5%	12%
Sabin like viruses No. & (%) from contacts	0	5(5.3%)	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 27	215	12	2	185	18	9%	90%	86%	99%
2011 up to week 27	177	14	1	134	28	17%	83%	83%	100%
2012 up to week 27	226	10	0	184	31	14%	93%	85%	99%

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



*Up to week 27