



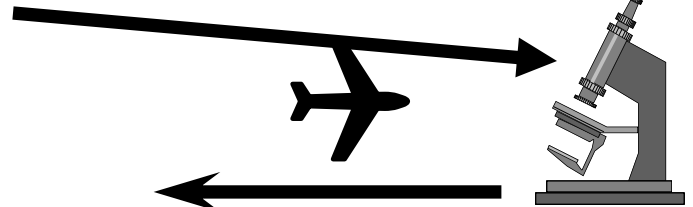
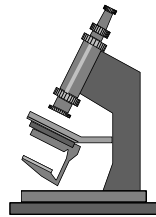
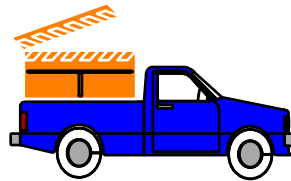
World Health Organization



Republic of Sudan

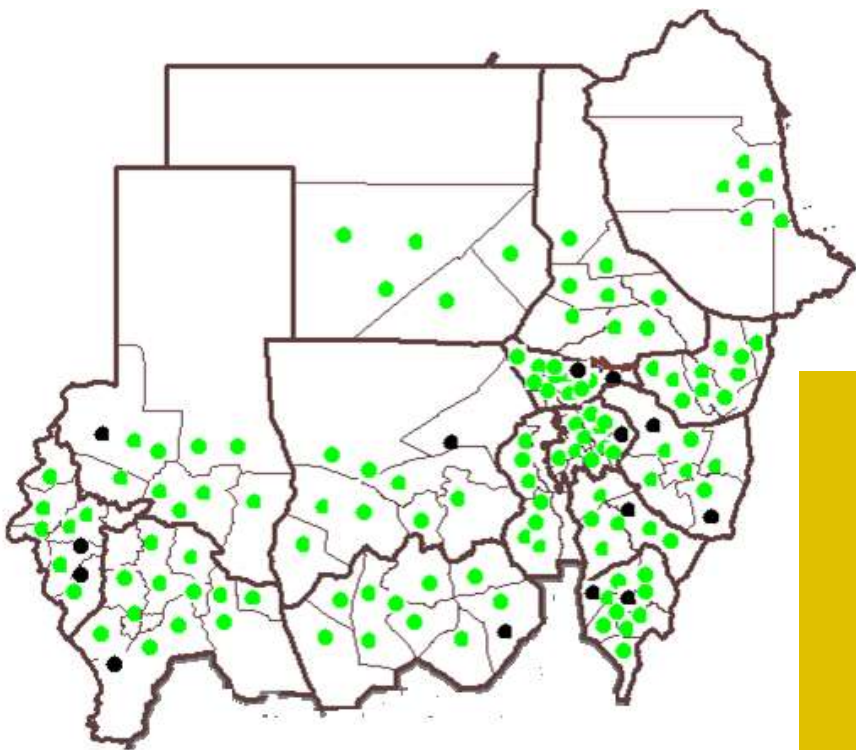


**Weekly AFP surveillance report
week 23
Ending on 10 June 2012**

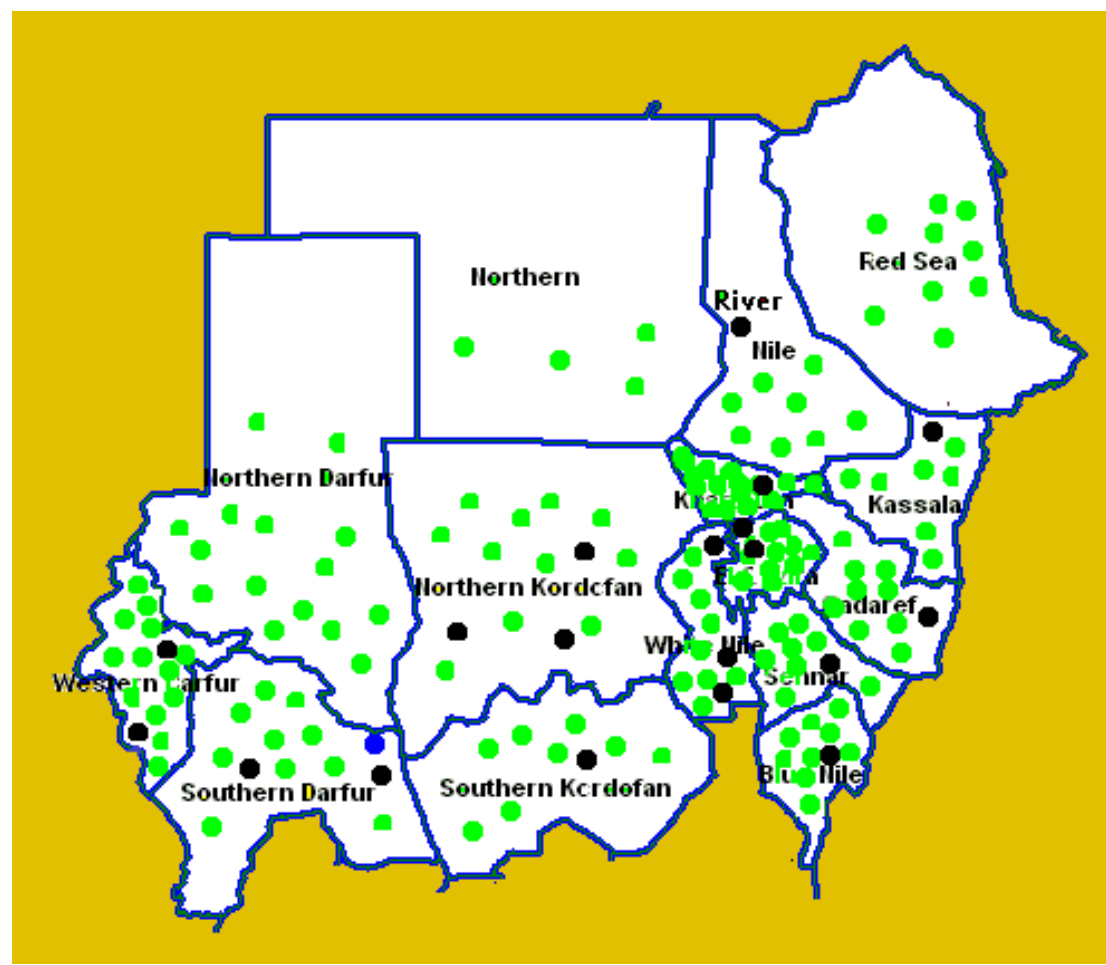


AFP Surveillance central unit

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



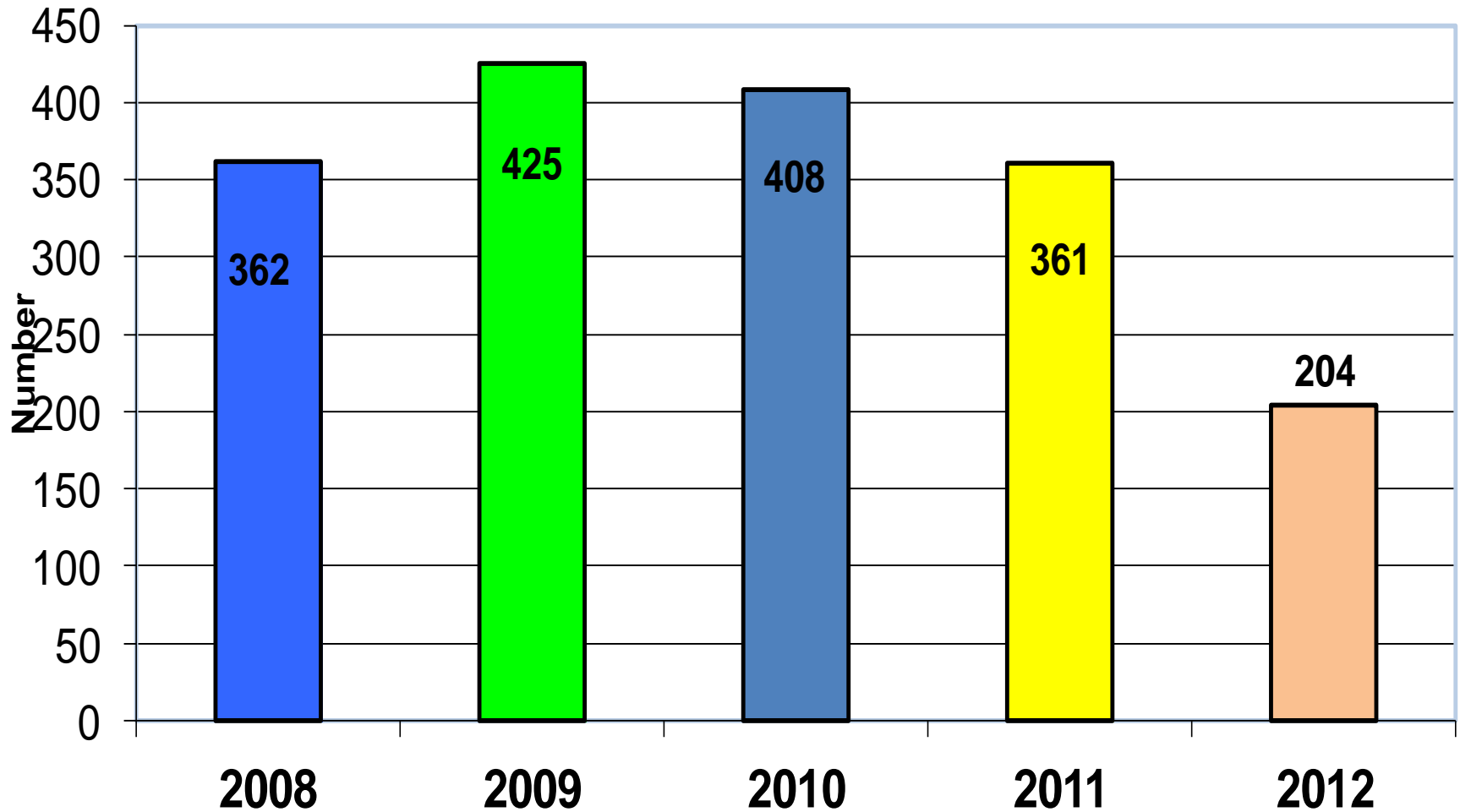
Map 2. Distribution of AFP cases by classification, Sudan, 2012*



- Non-polio AFP
- Pending classification
- VDPV

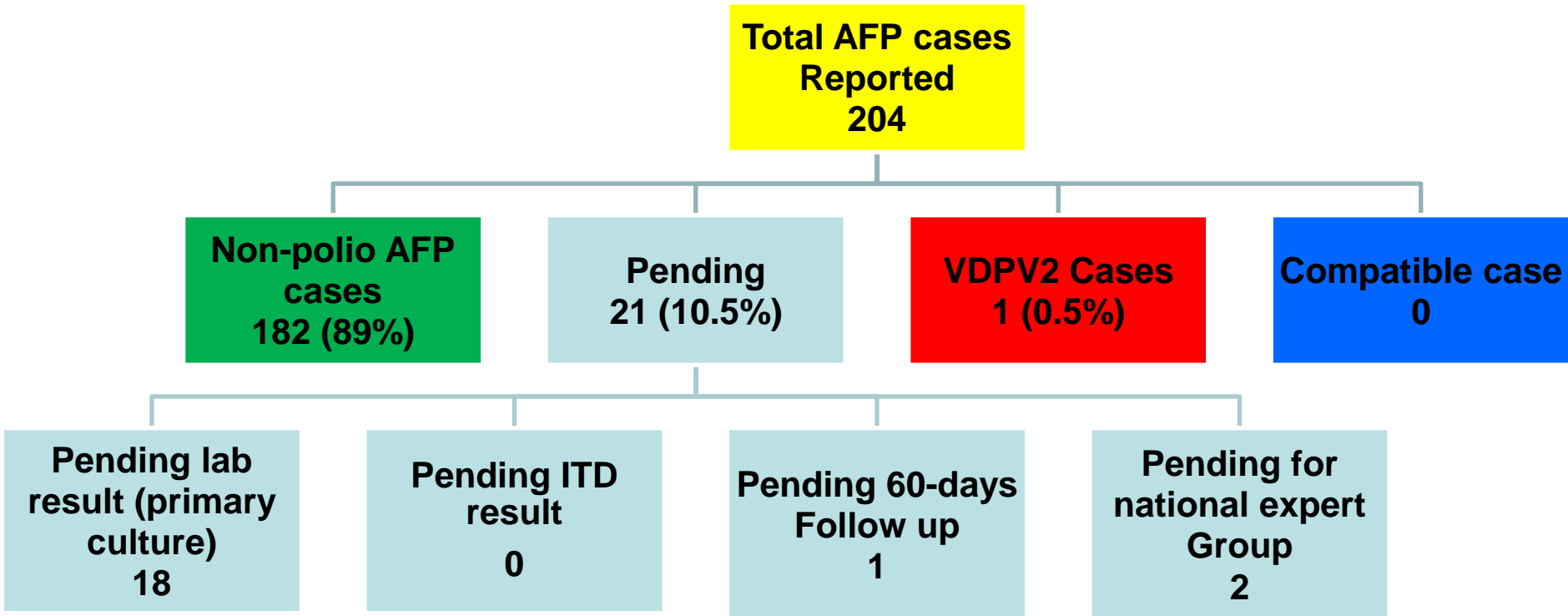
***Up to week 23**

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



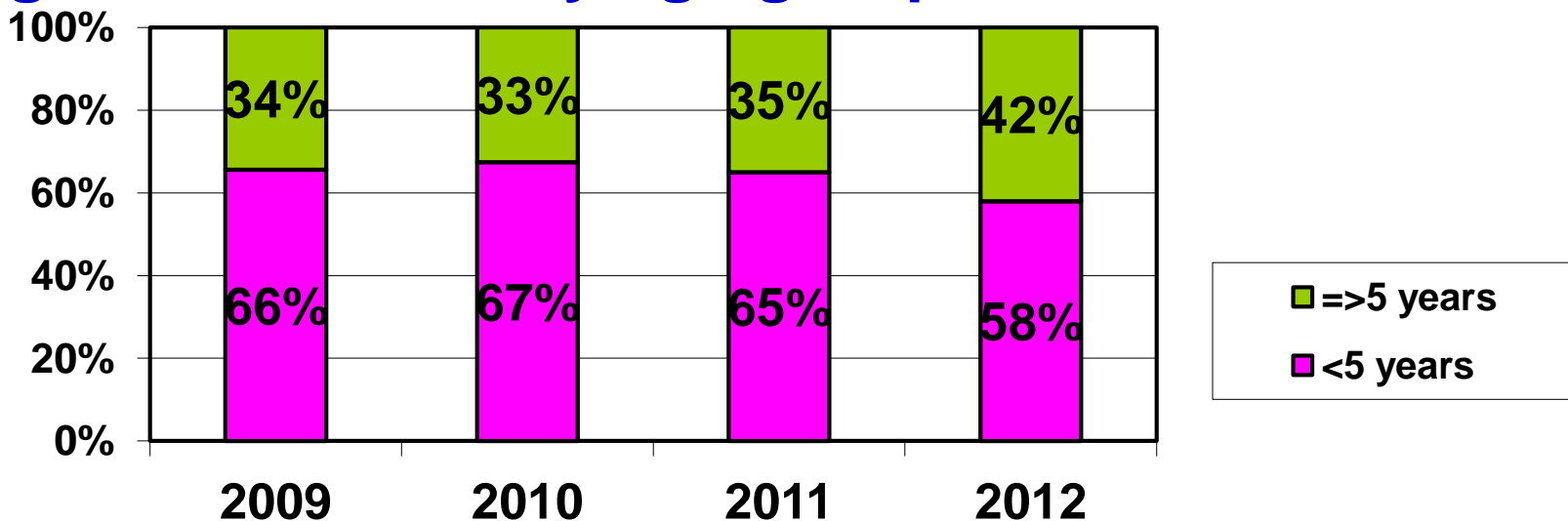
***Up to week 23**

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



***Up to week 23**

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



*Up to week 23

Fig. 4: AFP cases by sex 2009 – 2012*

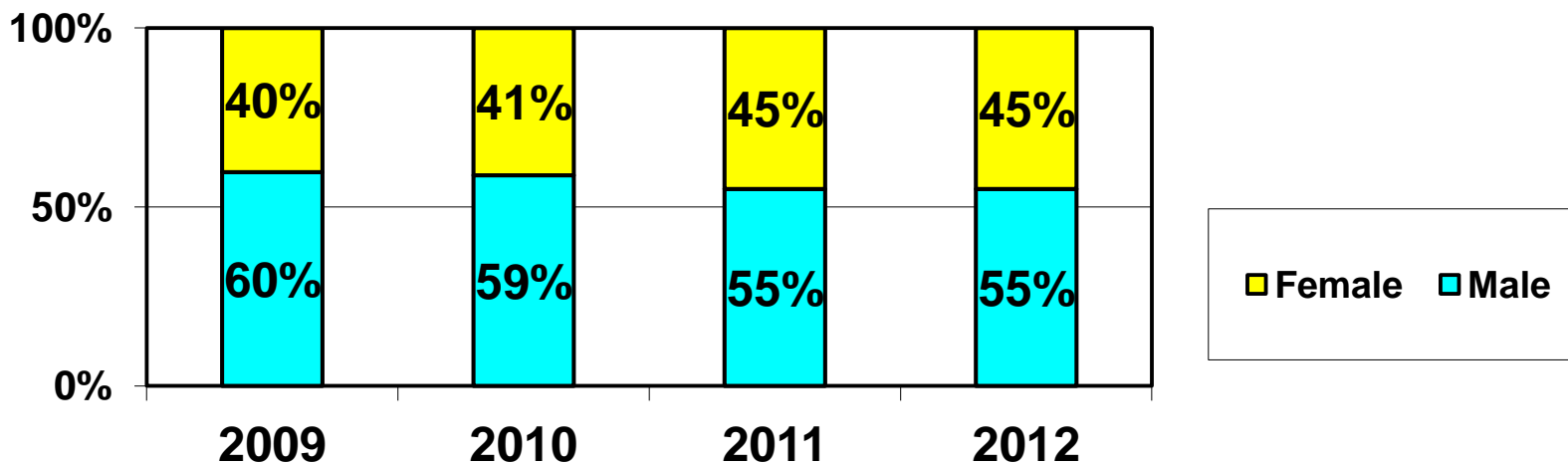


Fig. 5: Percent distribution of AFP cases by time of detection, 2011*

N = 151 AFP cases

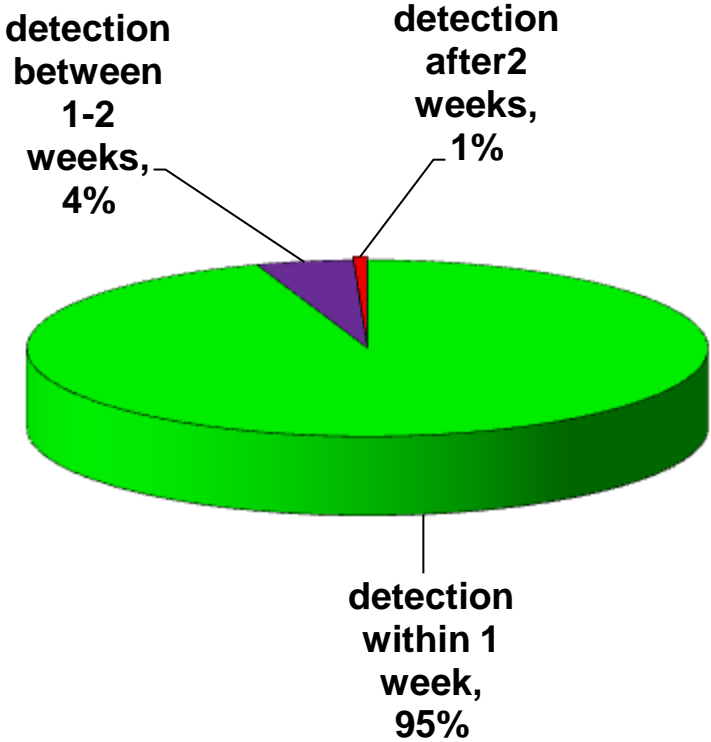
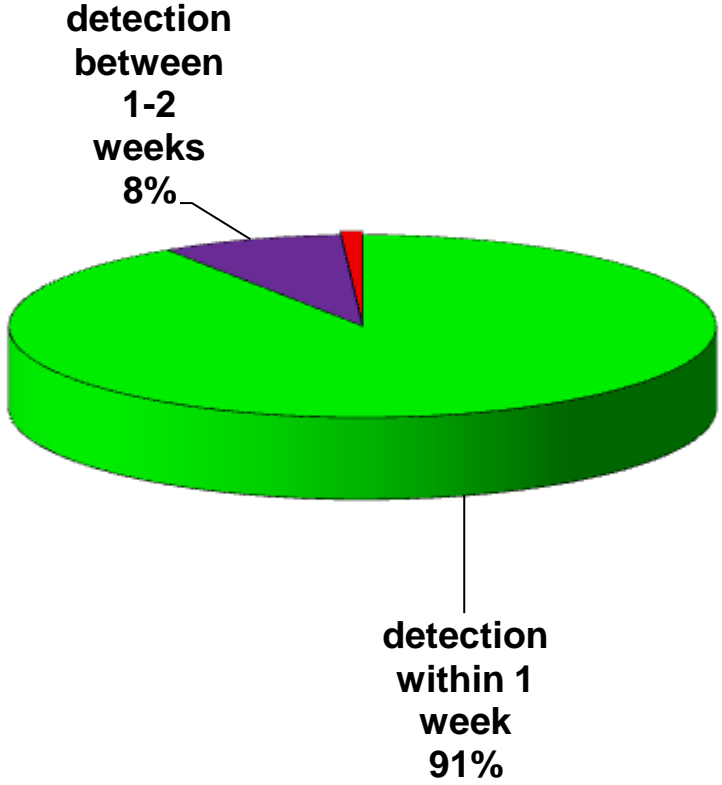


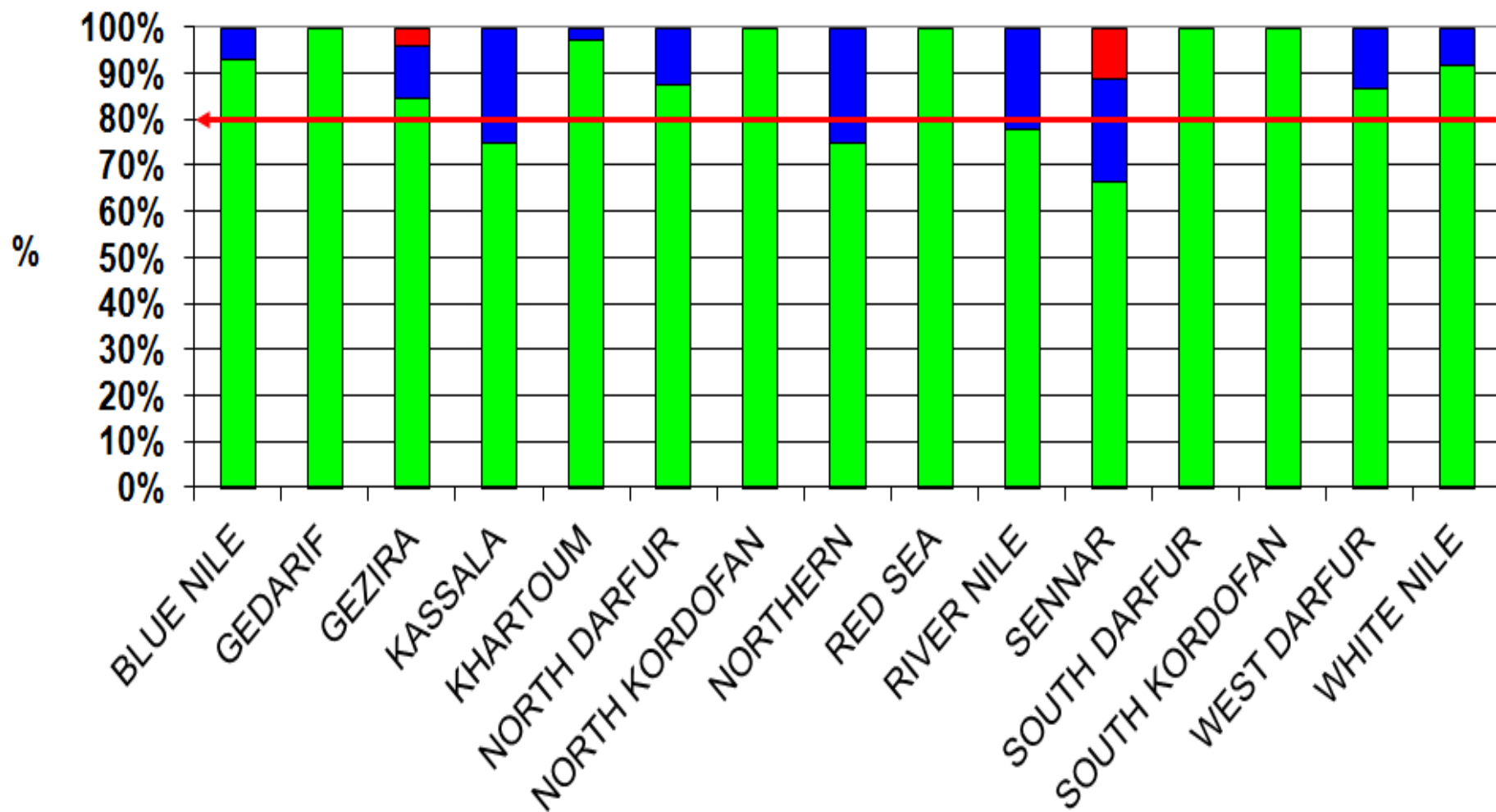
Fig. 6: Percent distribution of AFP cases by time of detection, 2012*

N = 204 AFP cases



***Up to week 23**

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



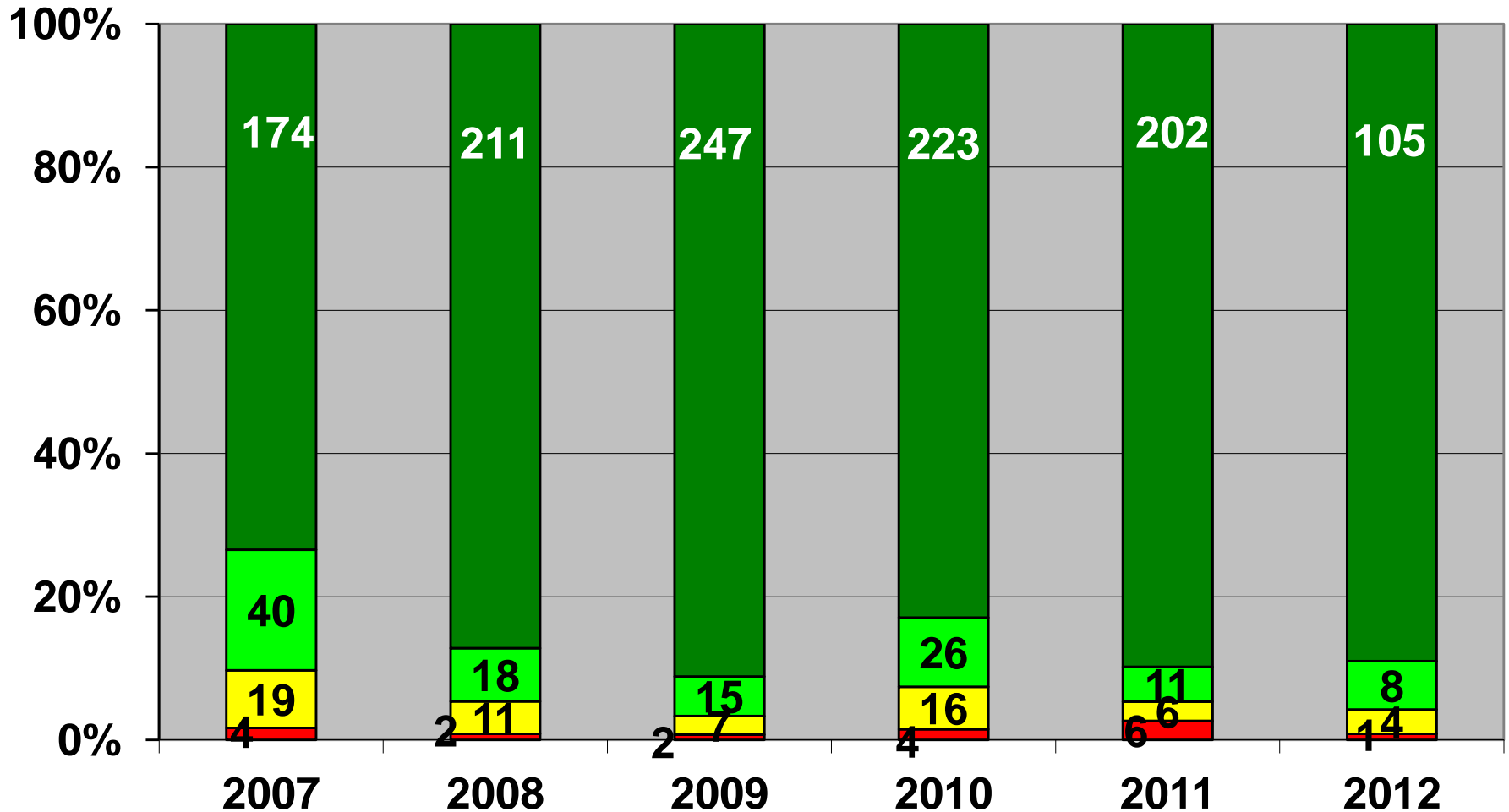
***Up to week 23**

■ Early detection ■ Moderate detection ■ Late detection

Table 1. Major AFP surveillance performance indicators, up to week 23, 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	451,519	14	13	1	0	0	93%	7.0	14%
Gedarif	887,810	10	9	1	0	0	90%	2.5	11%
Gezira	1,974,675	26	24	2	0	0	96%	3.0	25%
Kasala	857,183	8	7	1	0	0	100%	2.1	13%
Khartoum	2,489,151	35	32	3	0	0	100%	3.2	11%
N.Darf	890,317	16	16	0	0	0	100%	4.1	13%
N.Kord	1,281,448	15	12	3	0	0	93%	2.6	13%
Northern	271,479	4	4	0	0	0	75%	3.3	25%
Red Sea	331,008	9	9	0	0	0	100%	6.1	11%
River Nile	470,091	9	8	1	0	0	100%	4.3	11%
Sennar	735,588	9	8	1	0	0	89%	2.8	22%
S.Darfur	1,806,686	13	10	2	1	0	92%	1.6	8%
S. Kord	974,048	9	8	1	0	0	100%	2.1	0%
W.Darfur	971,638	15	13	2	0	0	100%	3.5	20%
W. Nile	855,181	12	9	3	0	0	100%	3.2	17%
Total	15,247,822	204	182	21	1	0	97%	3.0	16%

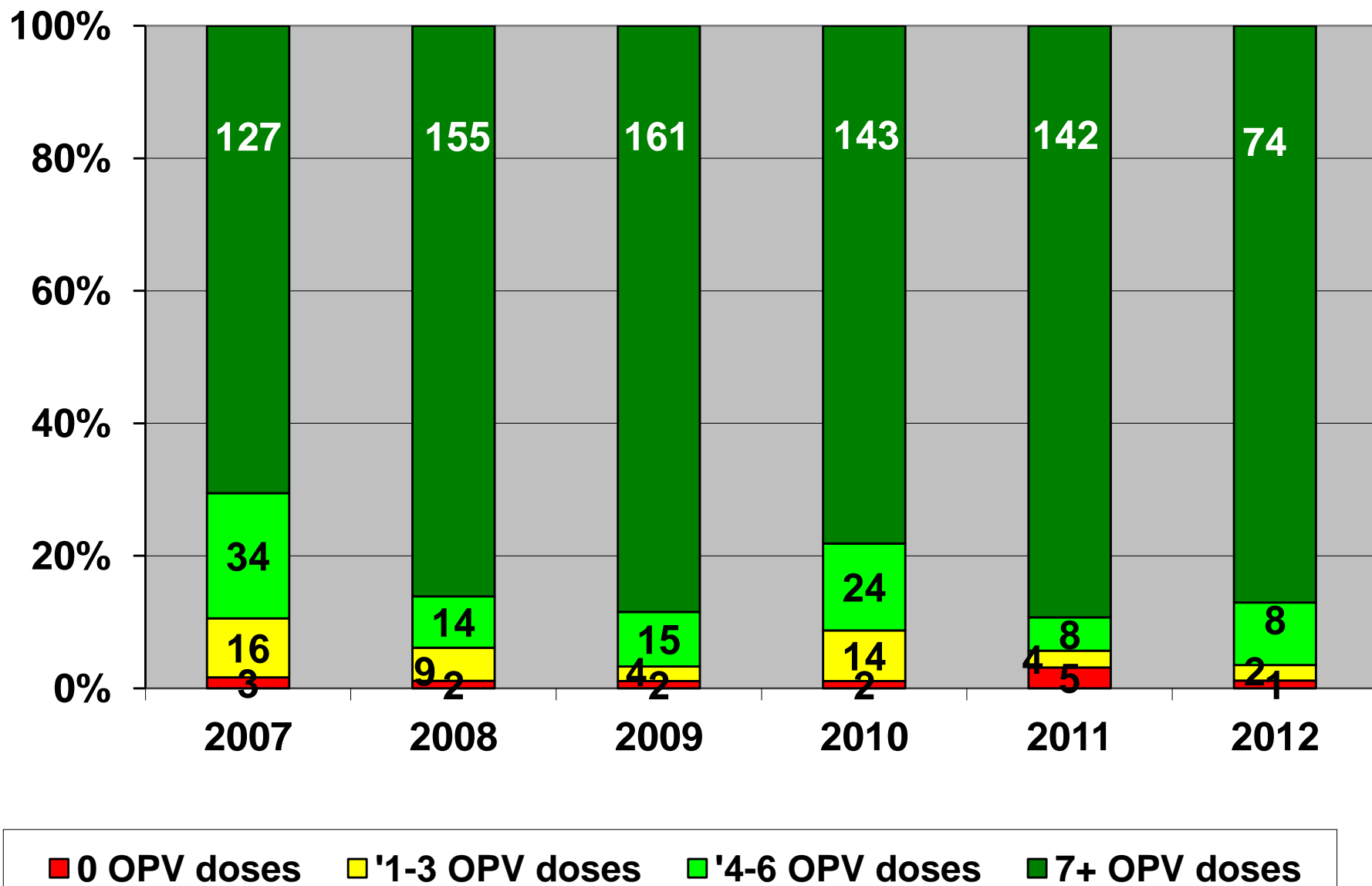
Fig. 8: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012*



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

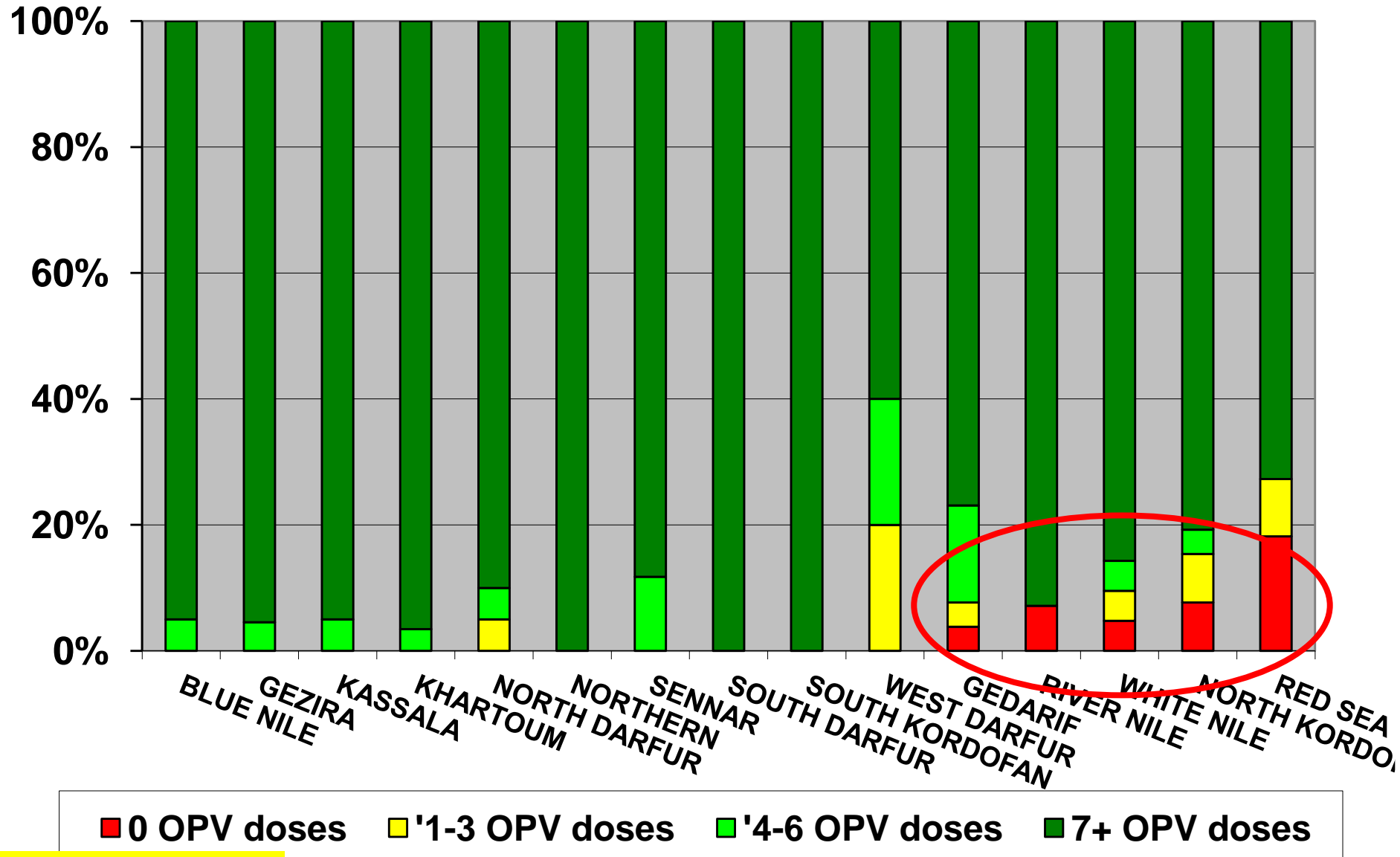
*Up to week 23

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



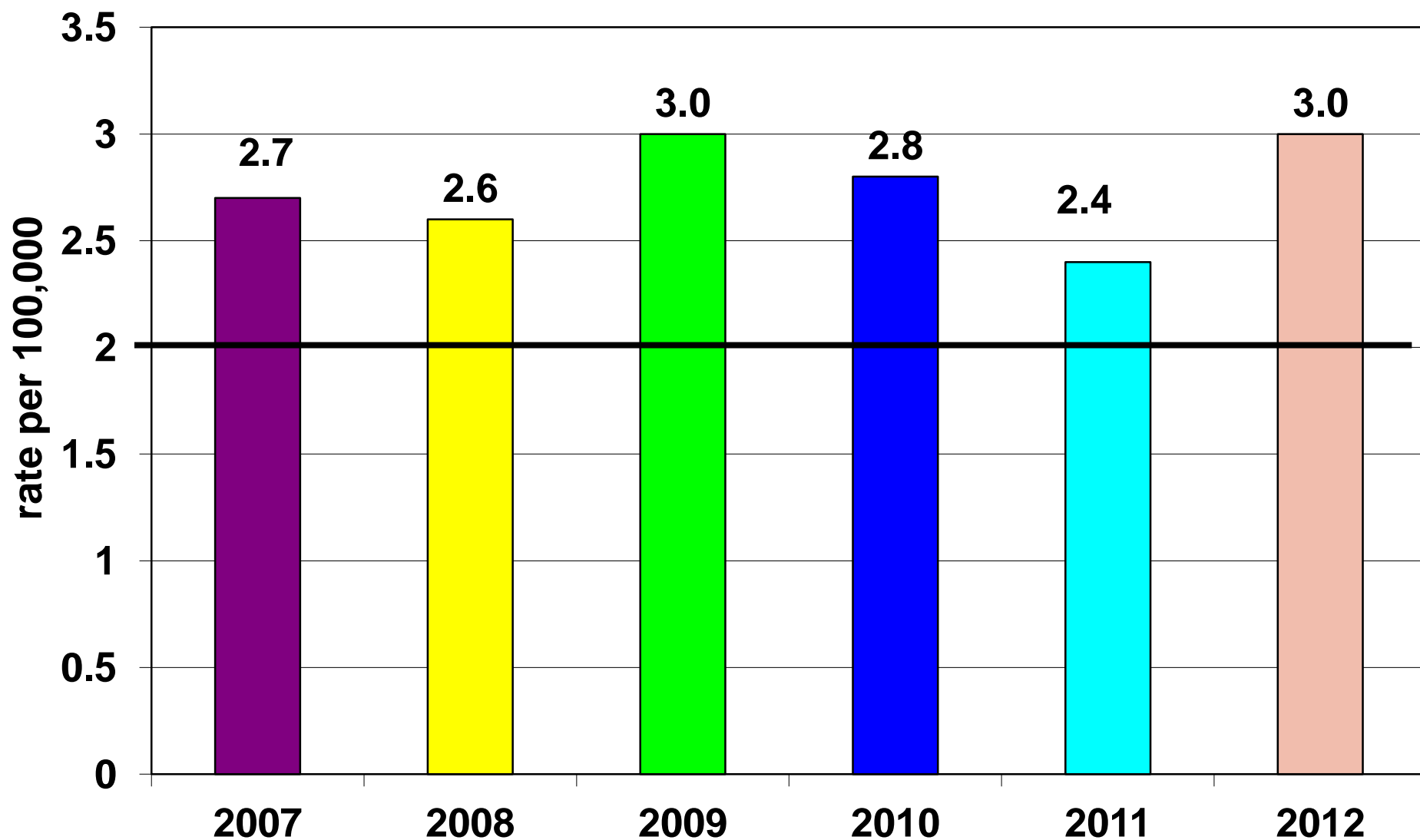
*Up to week 23

Fig. 10: Percent distribution of AFP cases 6-59 months by number of OPV doses and states, 2011-2012*



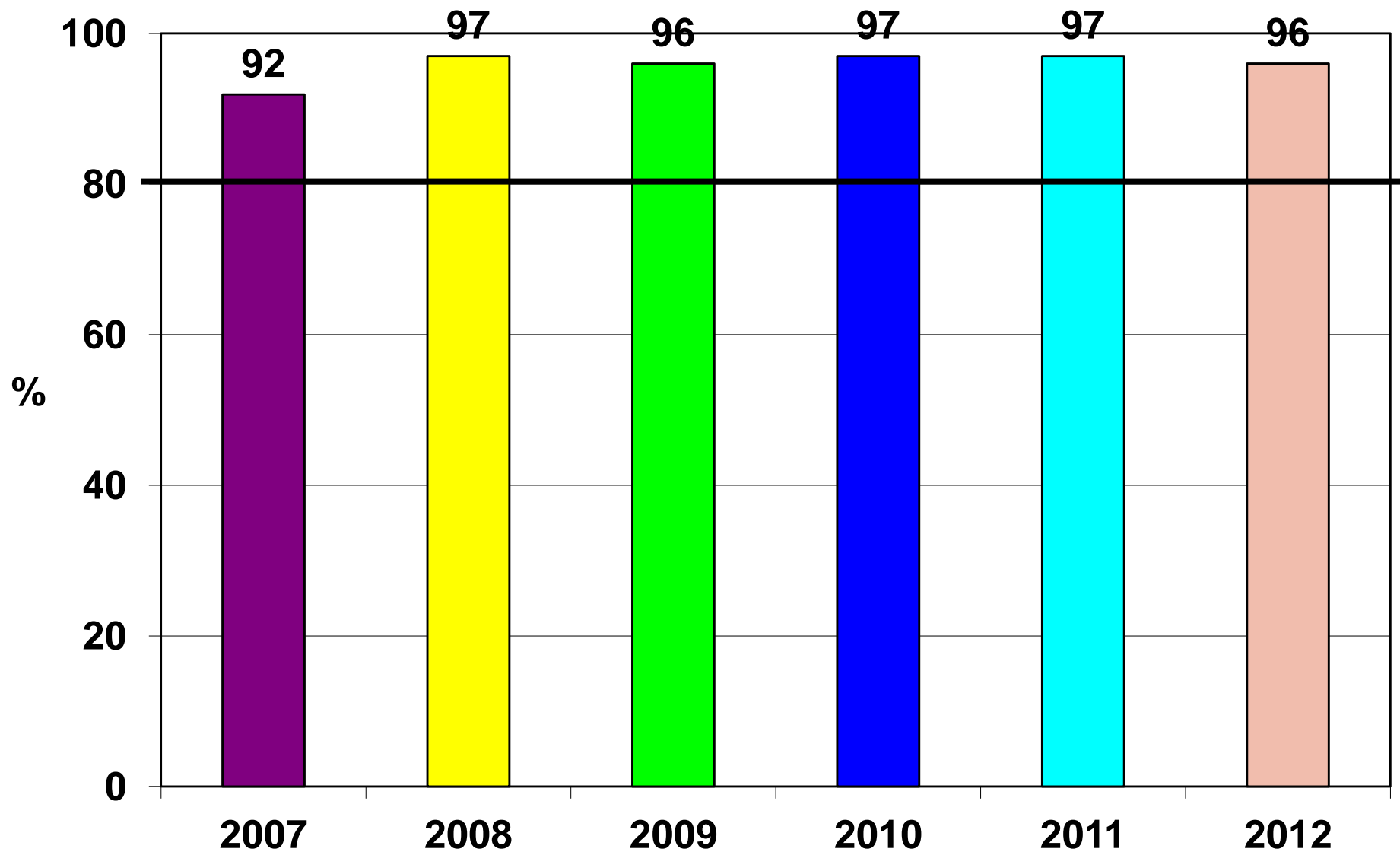
*Up to week 23

Fig. 11: Non-Polio AFP rate per 100,000 children under 15 years of age, 2007 – 2012*



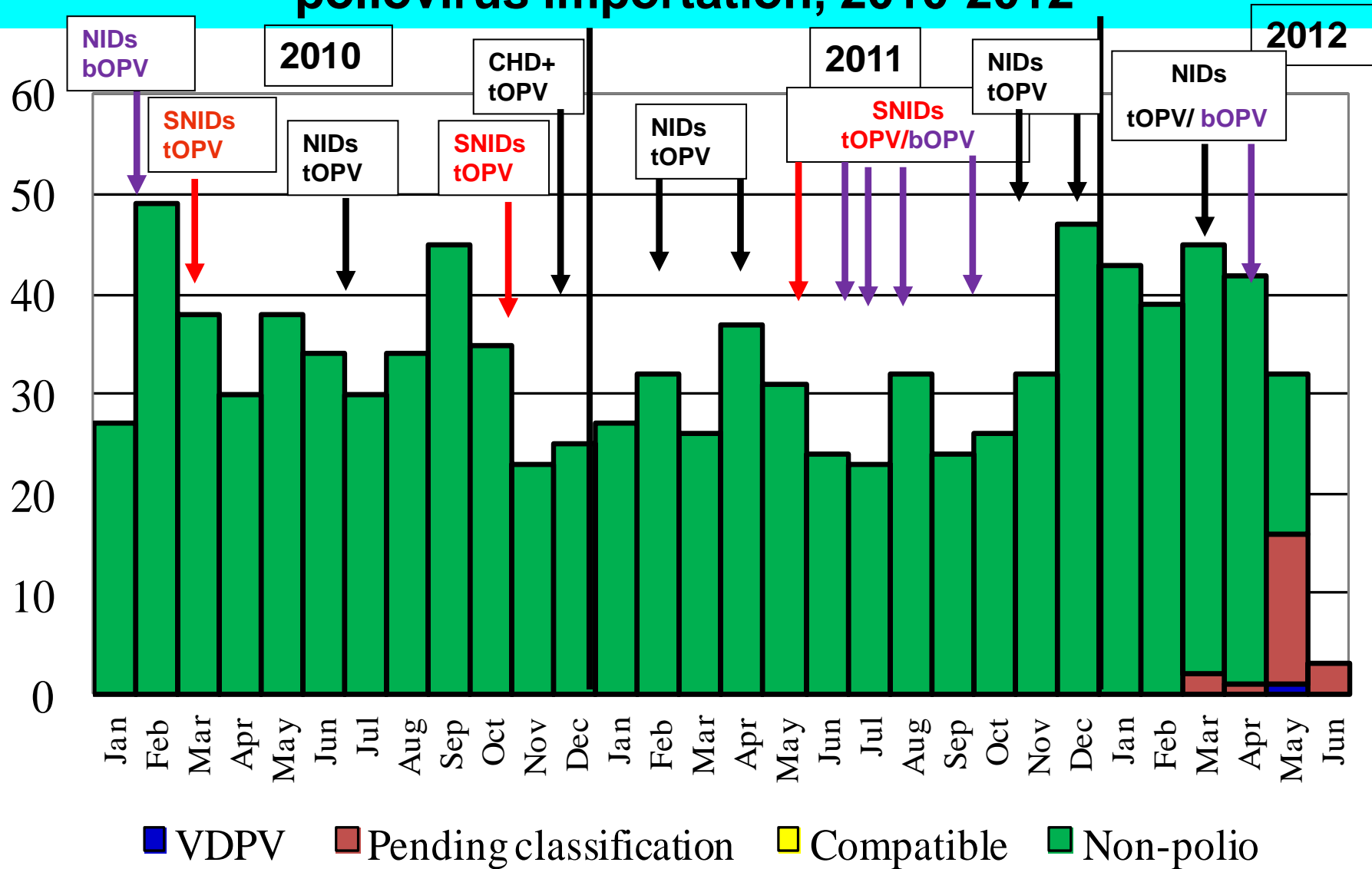
***Up to week 23**

Fig. 12: Adequate stool collection rate, 2007 – 2012*



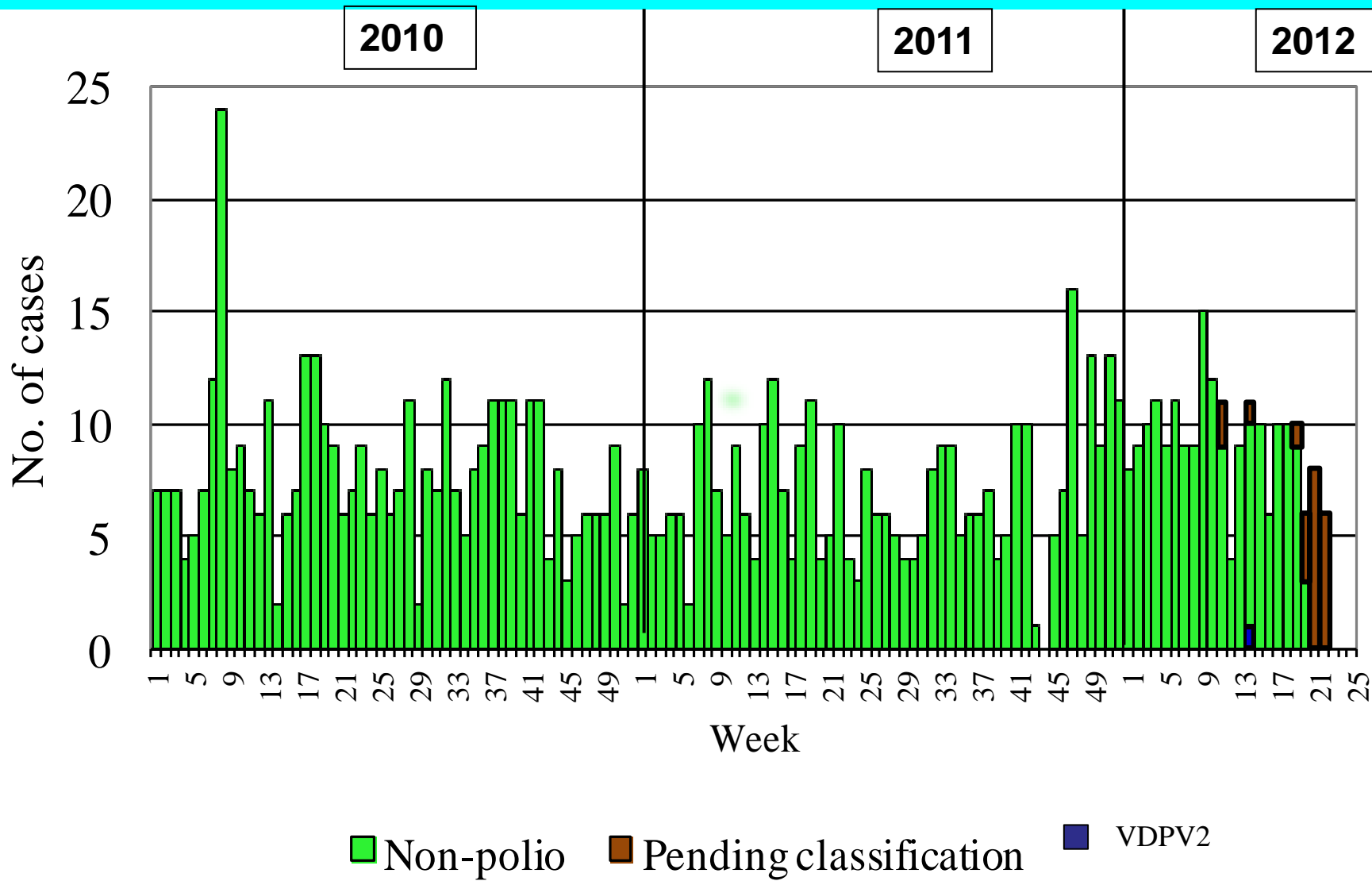
***Up to week 23**

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 23

Fig 14. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012*



*Up to week 23

Map 3. Non-polio AFP rate by state, 2011 up to W23



Map 4. Annualized Non-polio AFP rate by state, 2012 up to W23



<1 per 100,000
 1-1.9 per 100,000
 2 or more per 100,000

Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W23



Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W23

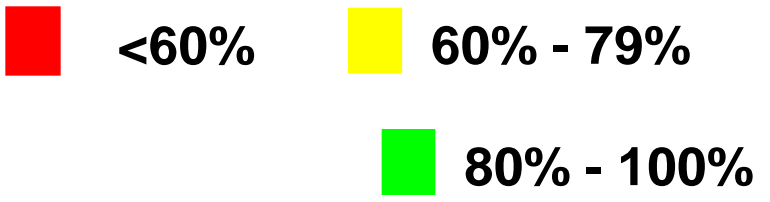


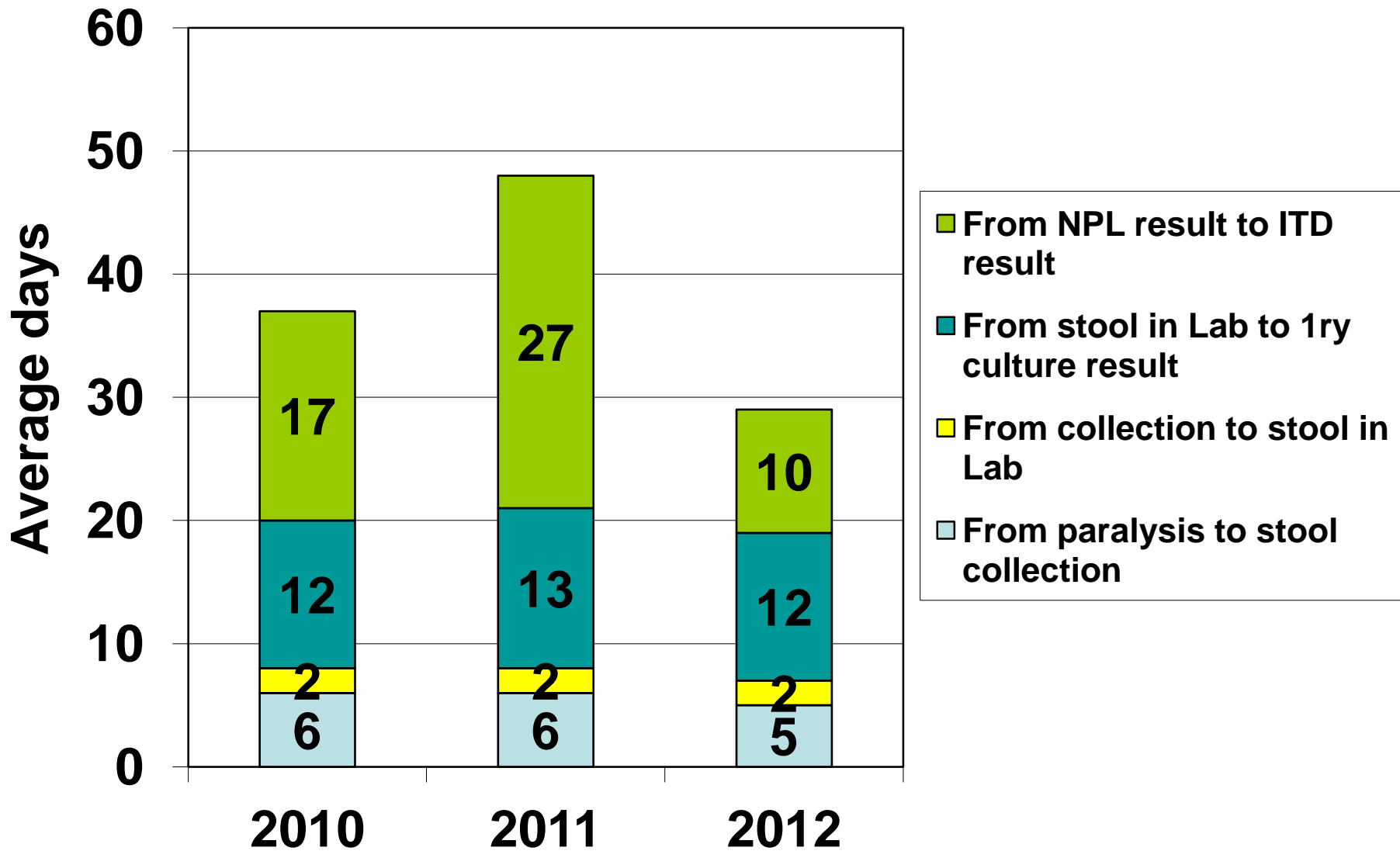
Table 2. National polio lab performance indicators 2010-2012 up to week 23

Indicator	2010	2011	2012
AFP cases with samples tested in NPL	186	151	203
Cases with VDPV2	0	0	1
Cases with non-polio enterovirus	10%	14%	16%
SL viruses No. & (%) from AFP cases	1(0.6%)	4(2.8%)	3(1.6%)
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	84	88	132
Contacts with non-polio enterovirus	9.5%	8%	13%
Sabin like viruses No. & (%) from contacts	0	5(5.7%)	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 23	186	11	0	157	18	10%	89%	88%	99%
2011 up to week 23	151	10	2	119	20	14%	80%	83%	100%
2012 up to week 23	203	18	0	156	29	16%	97%	85%	99%

Fig. 16: AFP Specimens' median timeliness NPL 2010-2012*



*Up to week 23