



World Health Organization

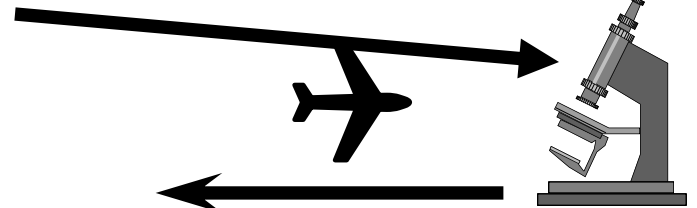
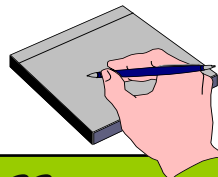
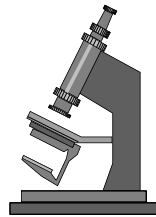
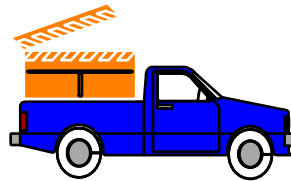
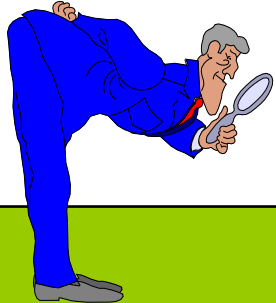


Republic of Sudan



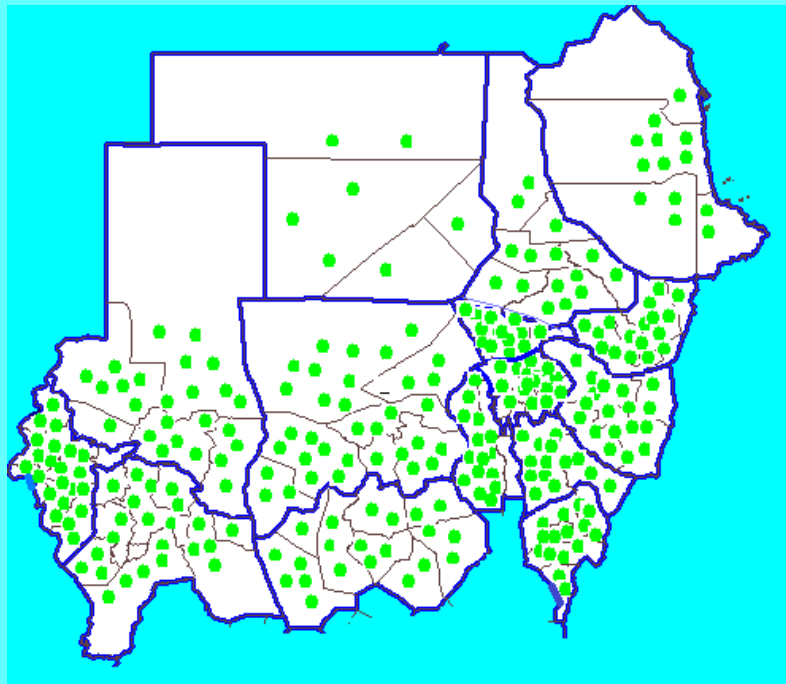
**Weekly AFP surveillance report
week 1**

Ending on 8 January 2012

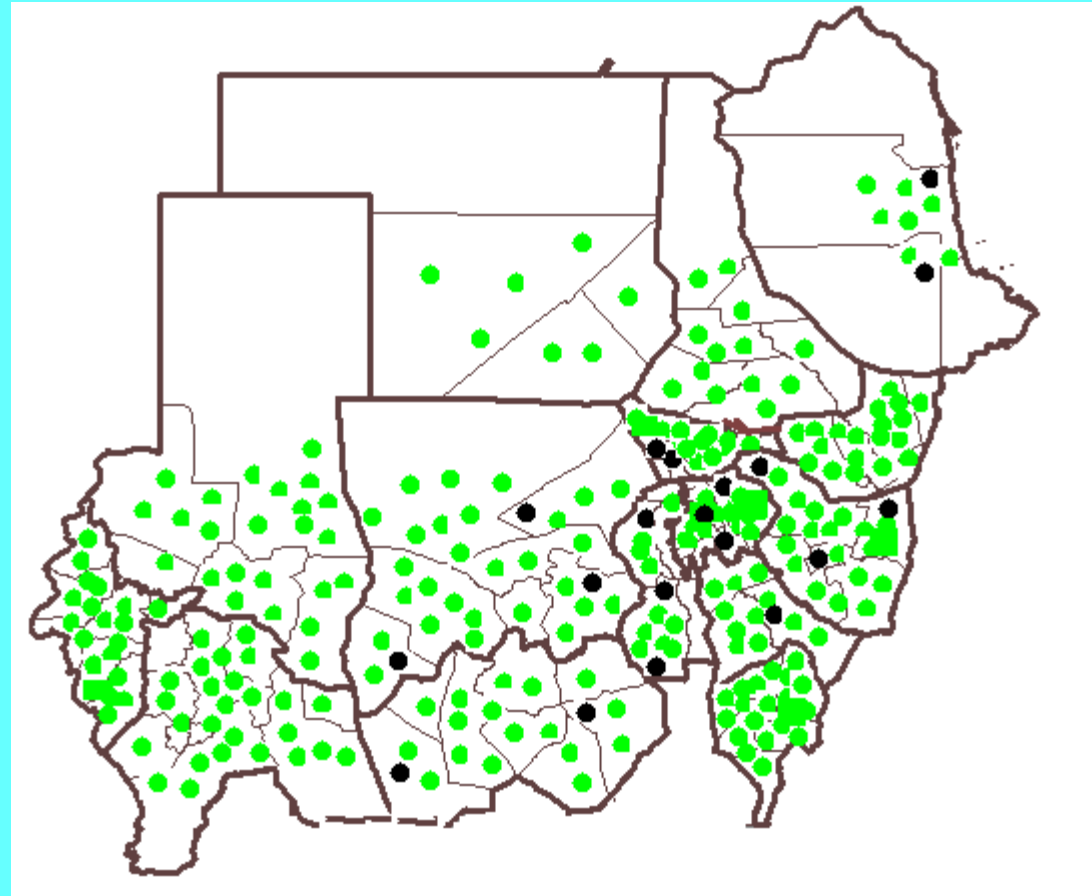


AFP Surveillance central unit

Map 1. Distribution of AFP cases by classification, Sudan, 2010



Map 2. Distribution of AFP cases by classification, Sudan, 2011



- Non-polio AFP
- Pending classification

**Fig. 1: Total AFP cases
Sudan, 2008-2011**

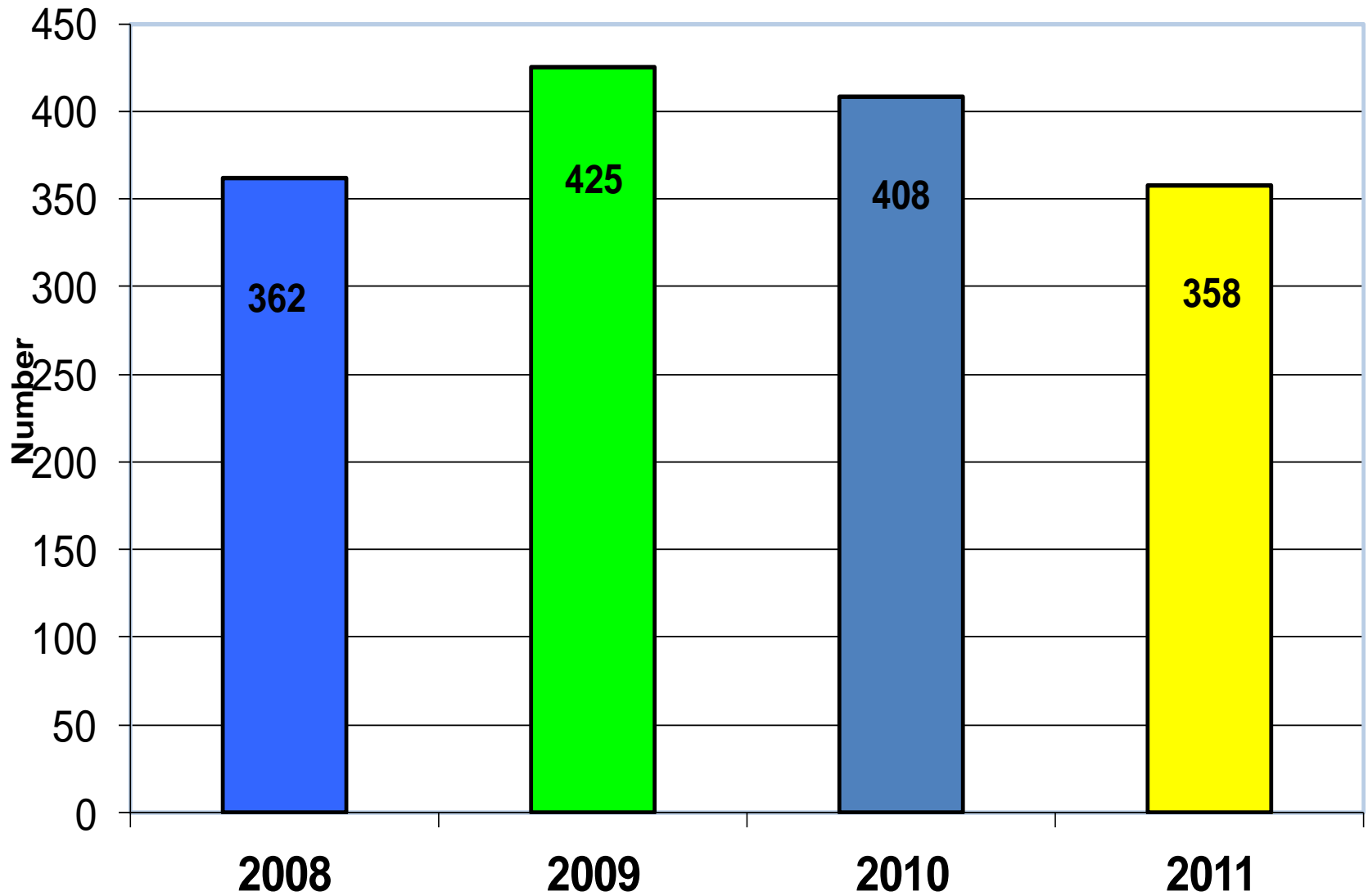


Fig. 2: Total AFP cases by classification, Sudan, 2011

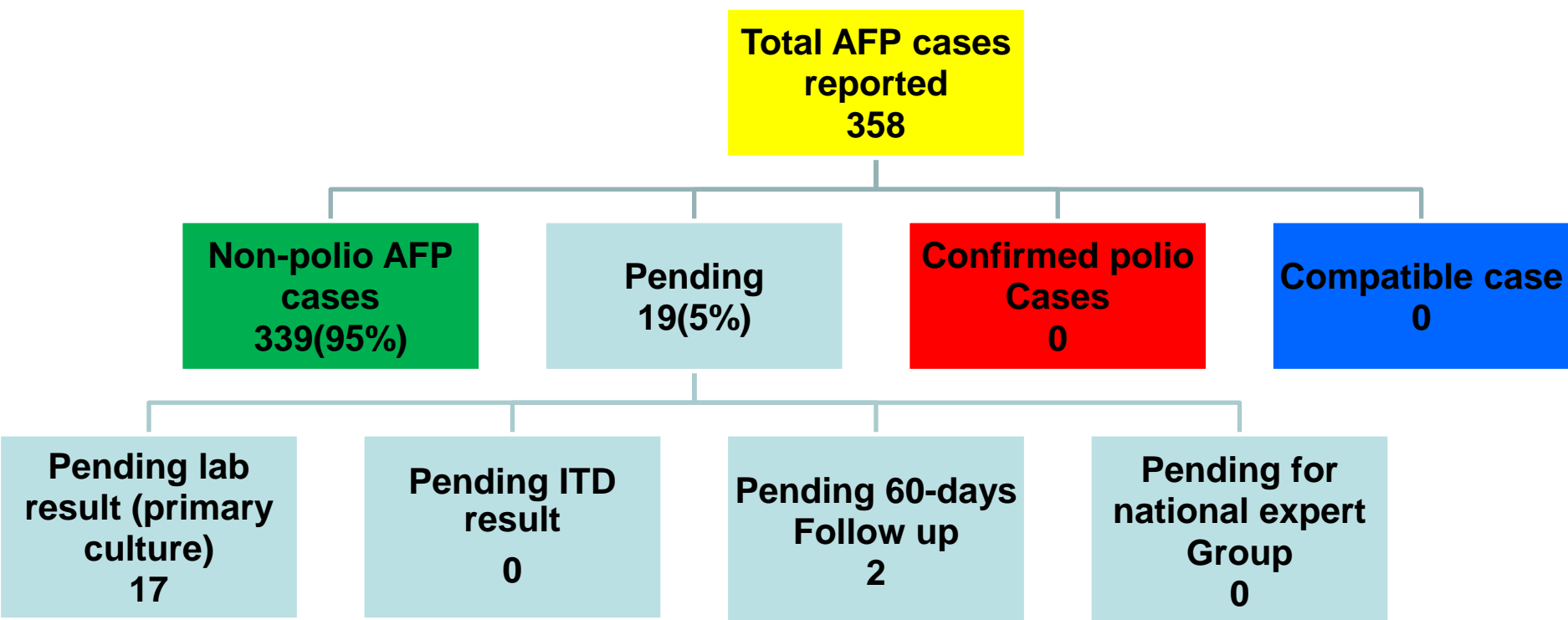


Fig. 3: AFP cases by age group, 2008 – 2011

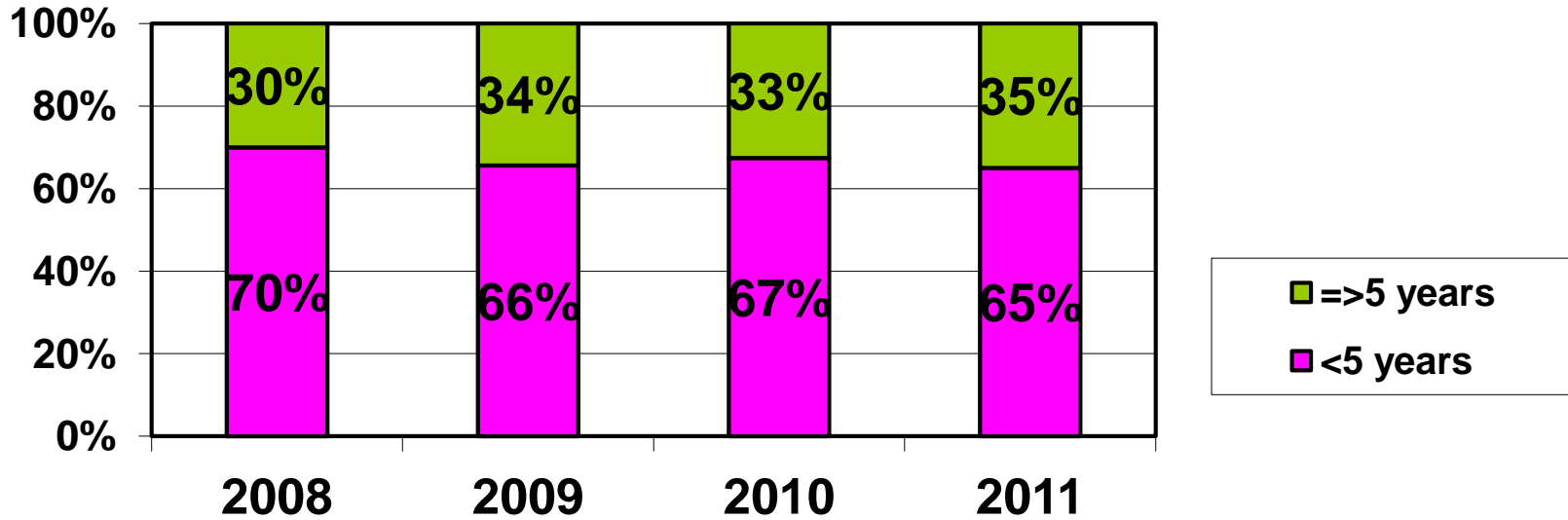


Fig. 4: AFP cases by sex 2008 – 2011

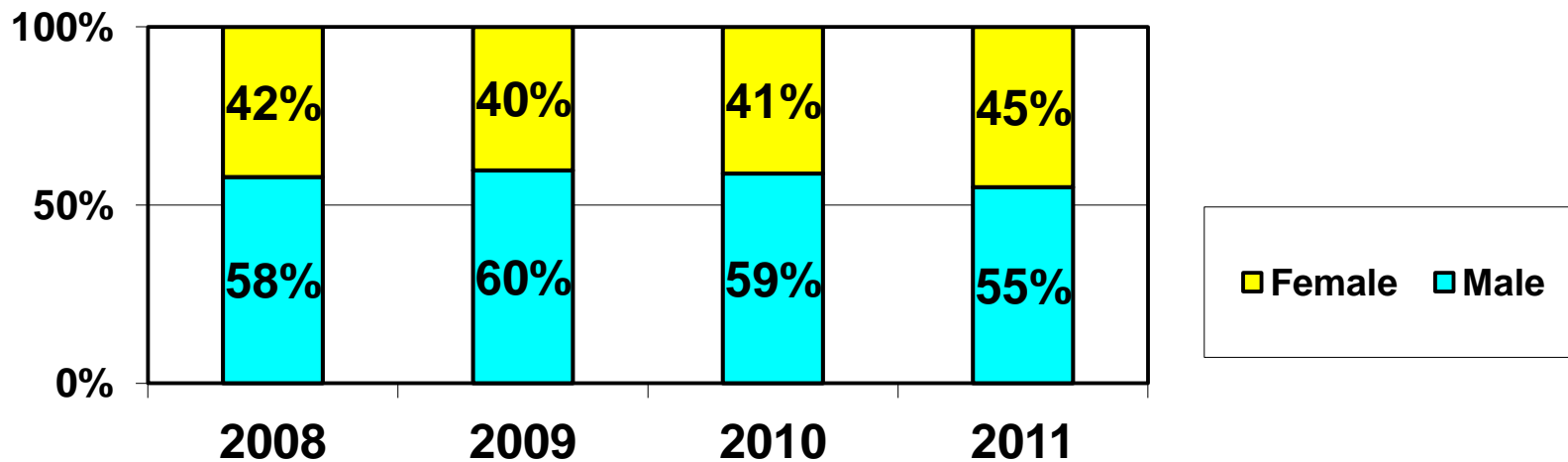


Fig. 5: Percent distribution of AFP cases by time of detection, 2010

N = 408 AFP cases

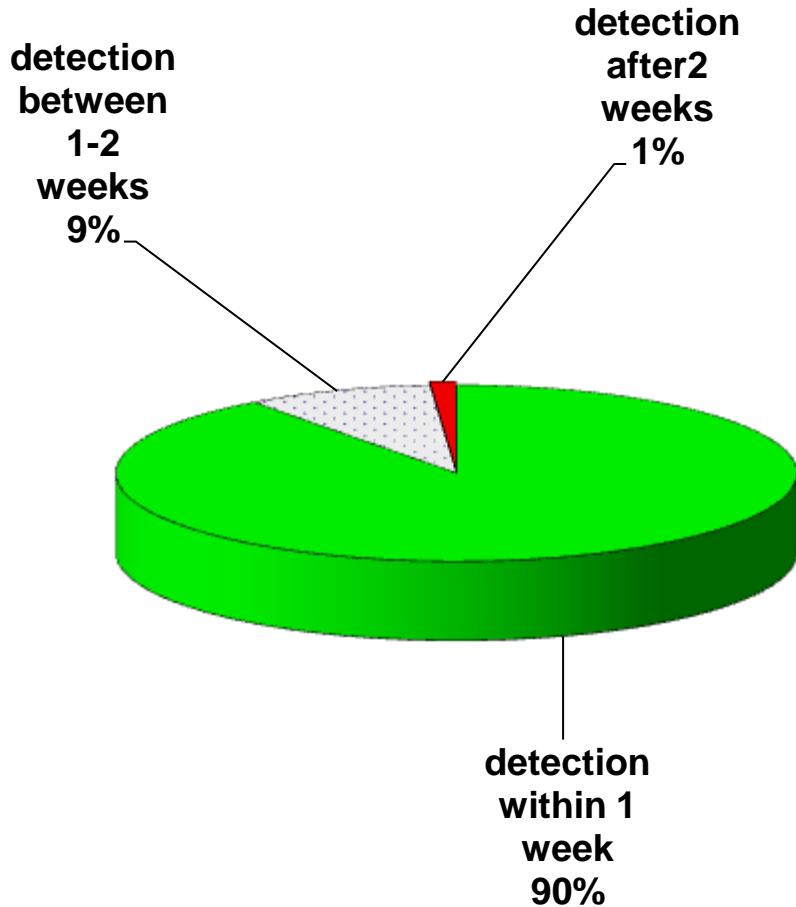


Fig. 6: Percent distribution of AFP cases by time of detection, 2011

N = 358 AFP cases

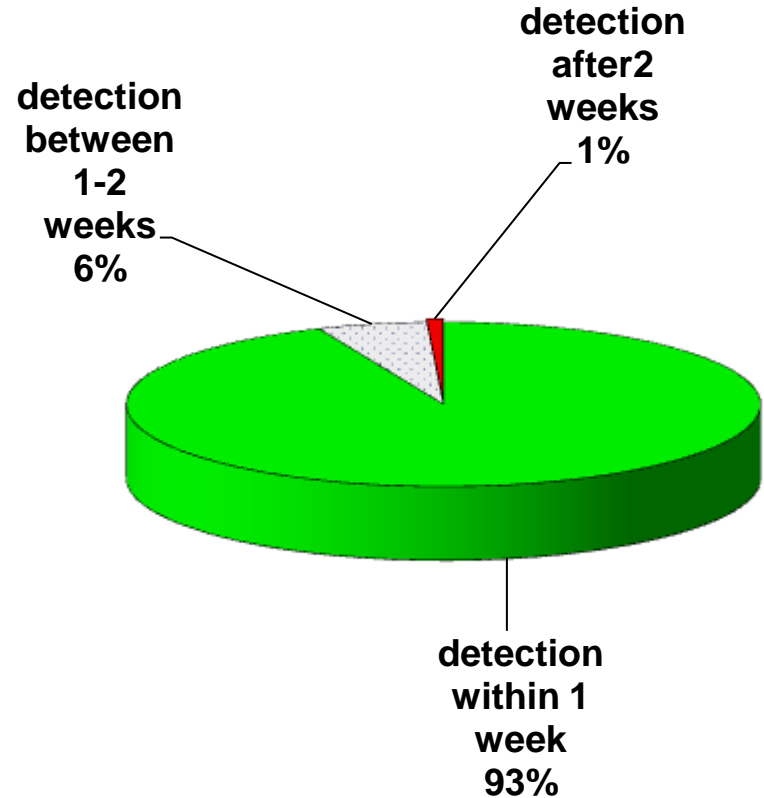


Fig. 7: Percent distribution of AFP cases according to the timeliness of detection by states, 2011

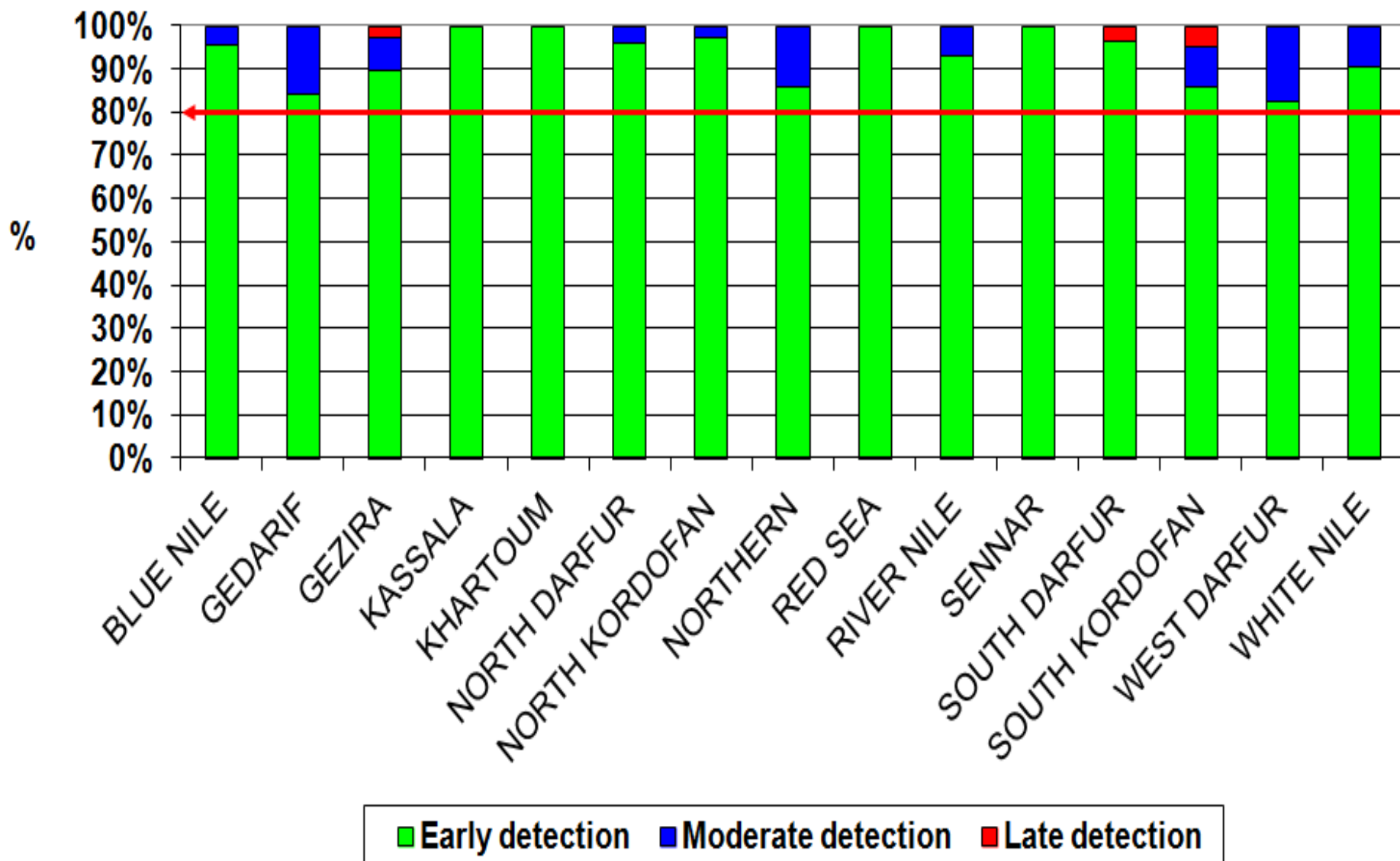


Table 1. Major AFP surveillance performance indicators, 2011

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	365,591	23	23	0	0	0	100%	6.3	13%
Gedarif	860,364	25	22	3	0	0	96%	2.9	9%
Gezira	1,921,077	39	36	3	0	0	92%	2.0	22%
Kasala	836,195	21	21	0	0	0	100%	2.5	19%
Khartom	2,401,033	53	51	2	0	0	100%	2.2	18%
N.Darf	863,045	24	24	0	0	0	96%	2.8	17%
N.Kord	1,262,262	37	34	3	0	0	95%	2.9	9%
Northern	267,256	7	7	0	0	0	100%	2.6	29%
Red Sea	330,018	9	7	2	0	0	100%	2.7	29%
River Nile	461,734	14	14	0	0	0	93%	3.0	14%
Sennar	717,437	14	13	1	0	0	100%	2.0	8%
S.Darfur	1,747,110	27	27	0	0	0	96%	1.5	22%
S. Kord	960,789	21	19	2	0	0	95%	2.2	16%
W.Darfur	949,143	23	23	0	0	0	96%	2.4	9%
W. Nile	834,567	21	18	3	0	0	100%	2.5	11%
Total	14,777,621	358	339	19	0	0	97%	2.4	16%

Fig. 8: Percent distribution of AFP cases < 60 months by number of OPV doses, 2006-2011

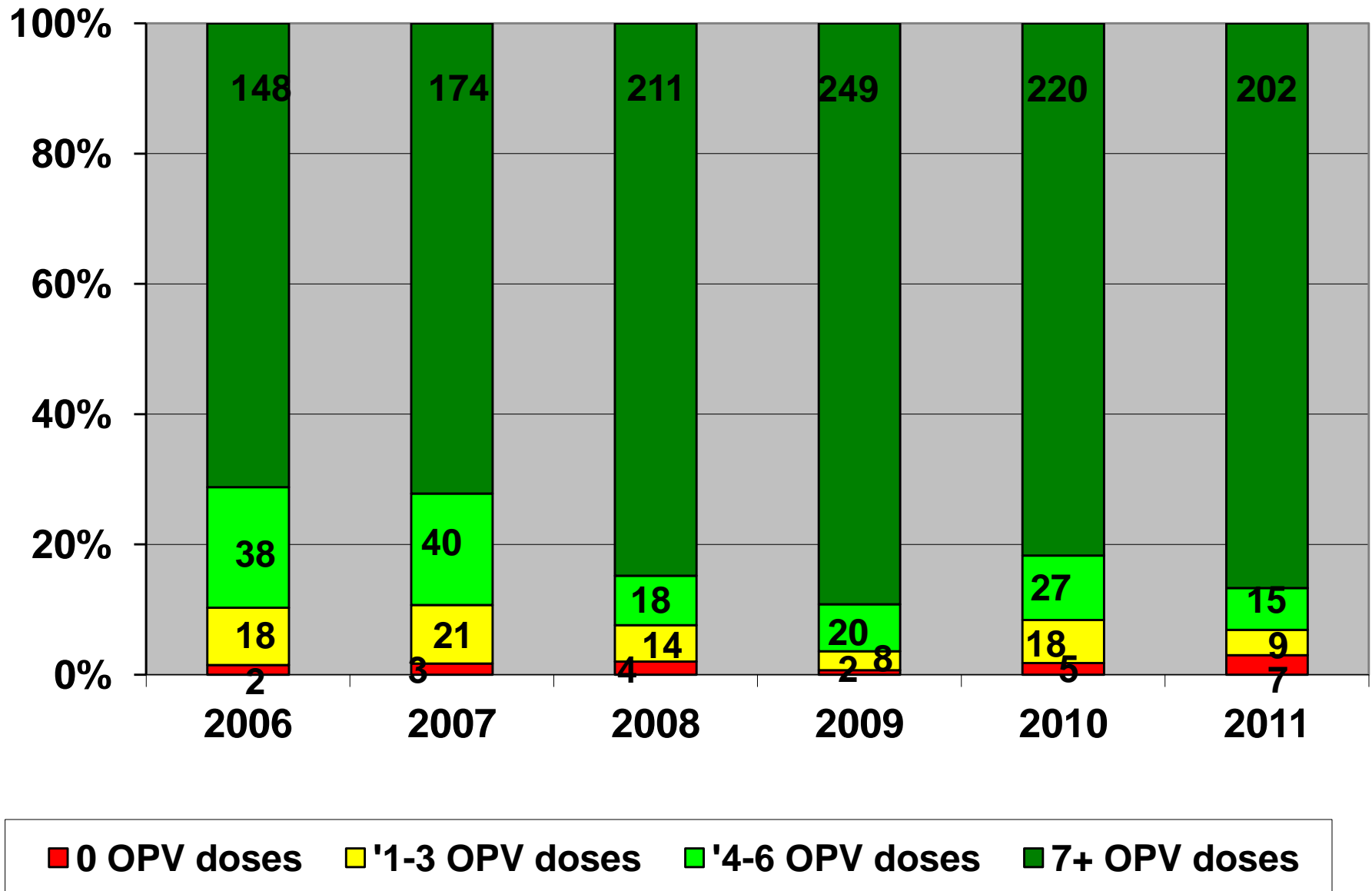


Fig. 9: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2006-2011

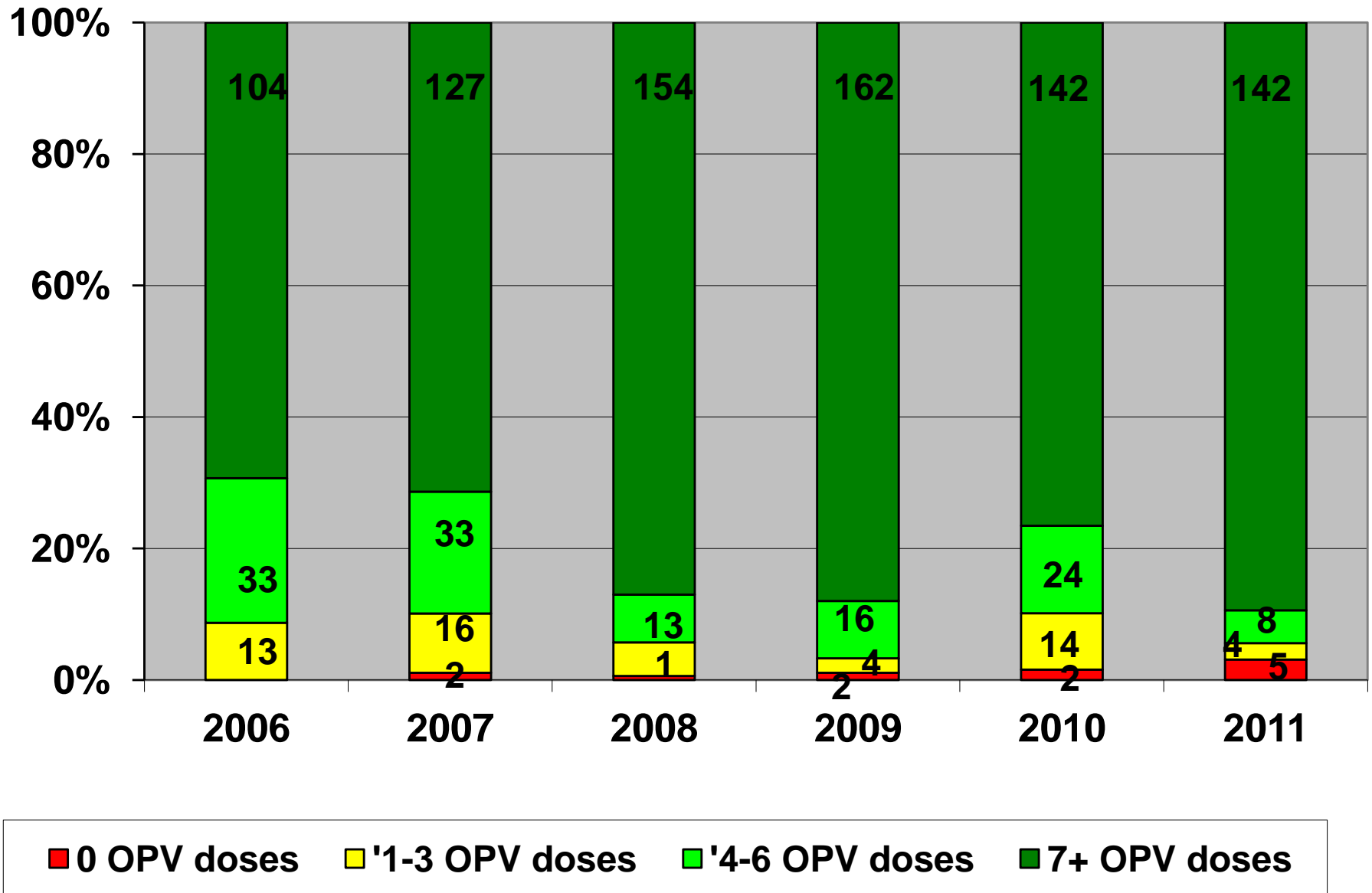


Fig. 10: Non-Polio AFP rate per 100,000 children under 15 years of age, 2007 – 2011

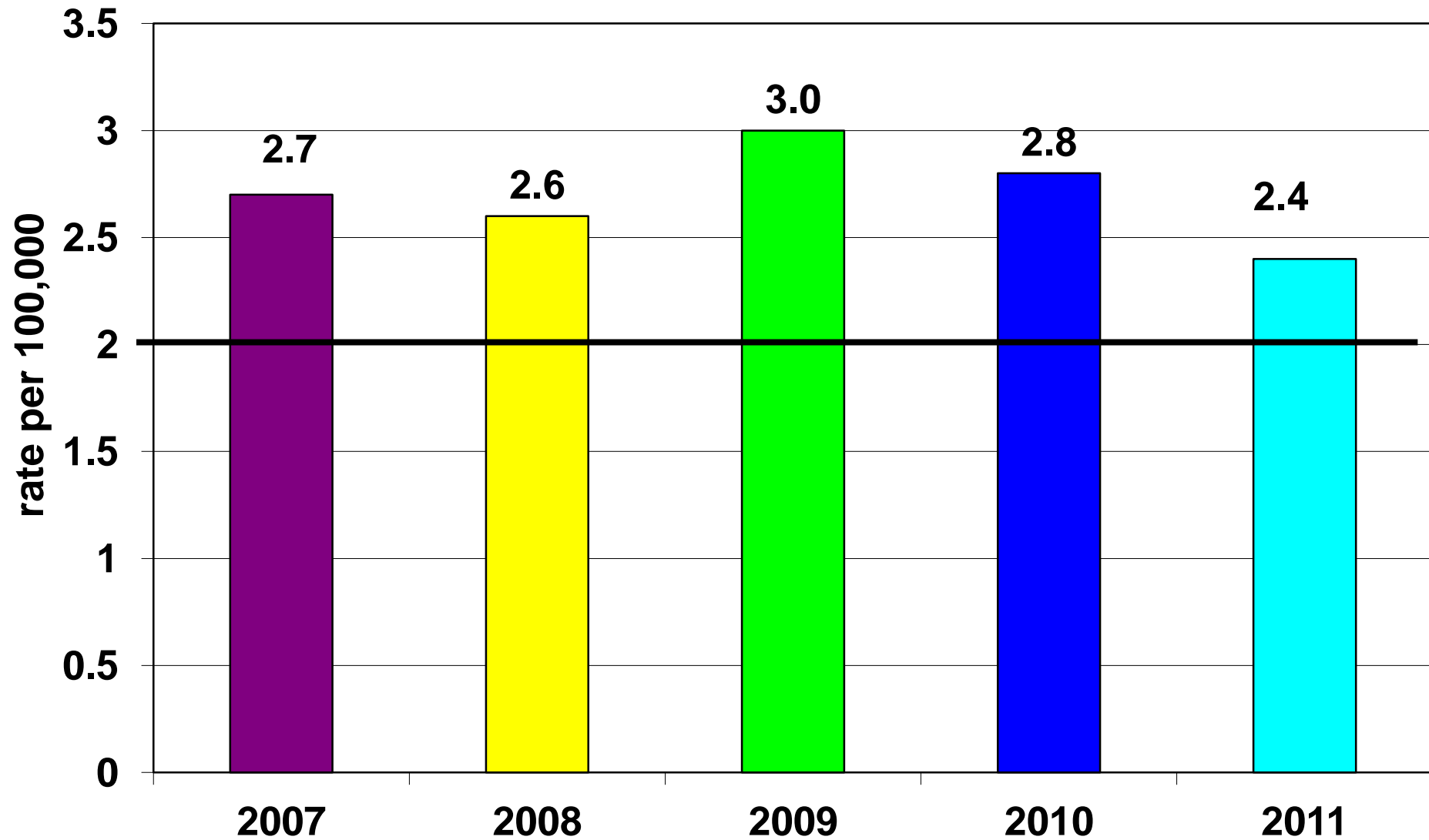


Fig. 11: Adequate stool collection rate, 2007 – 2011

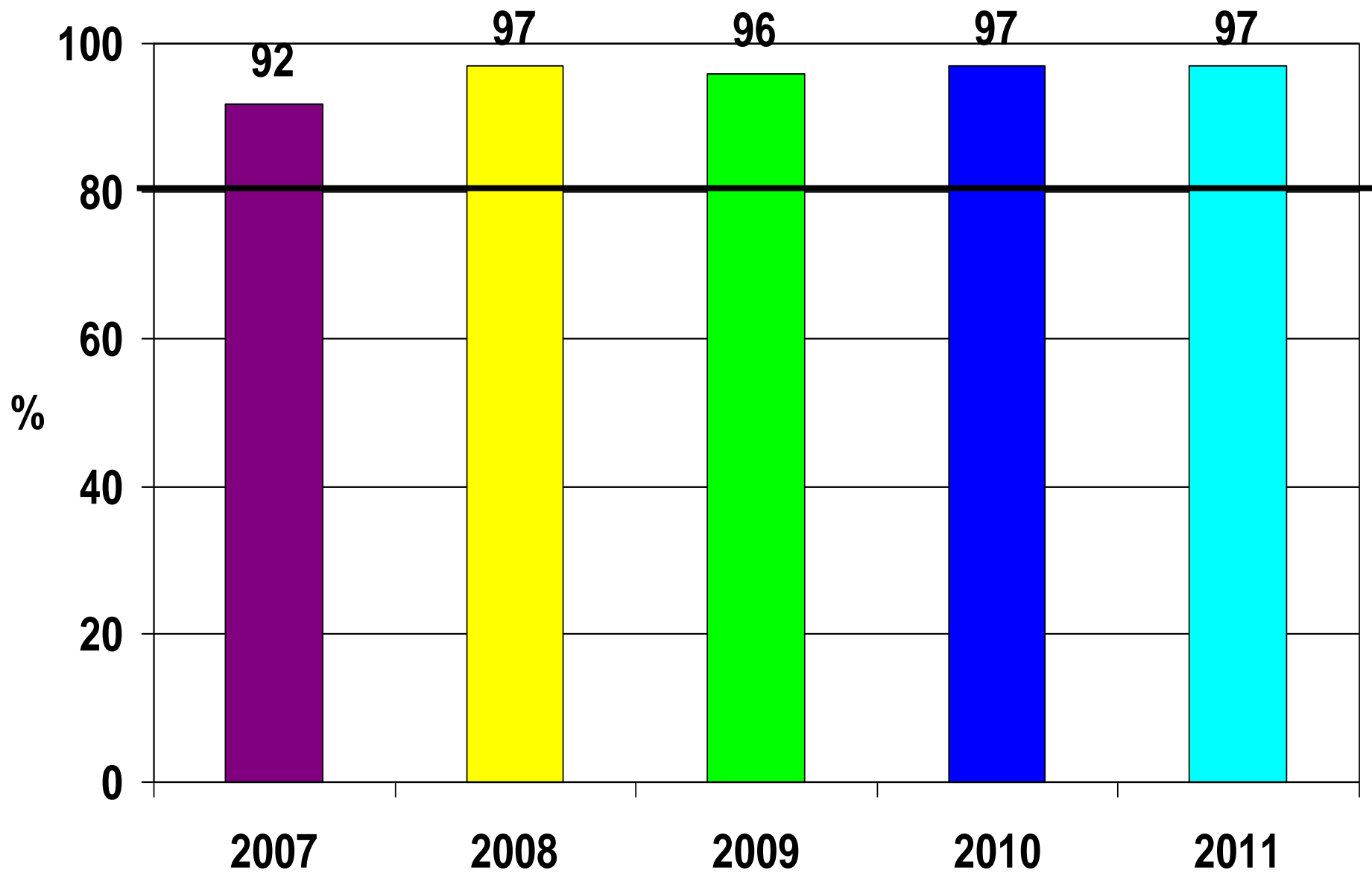


Fig 12. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2009-2011

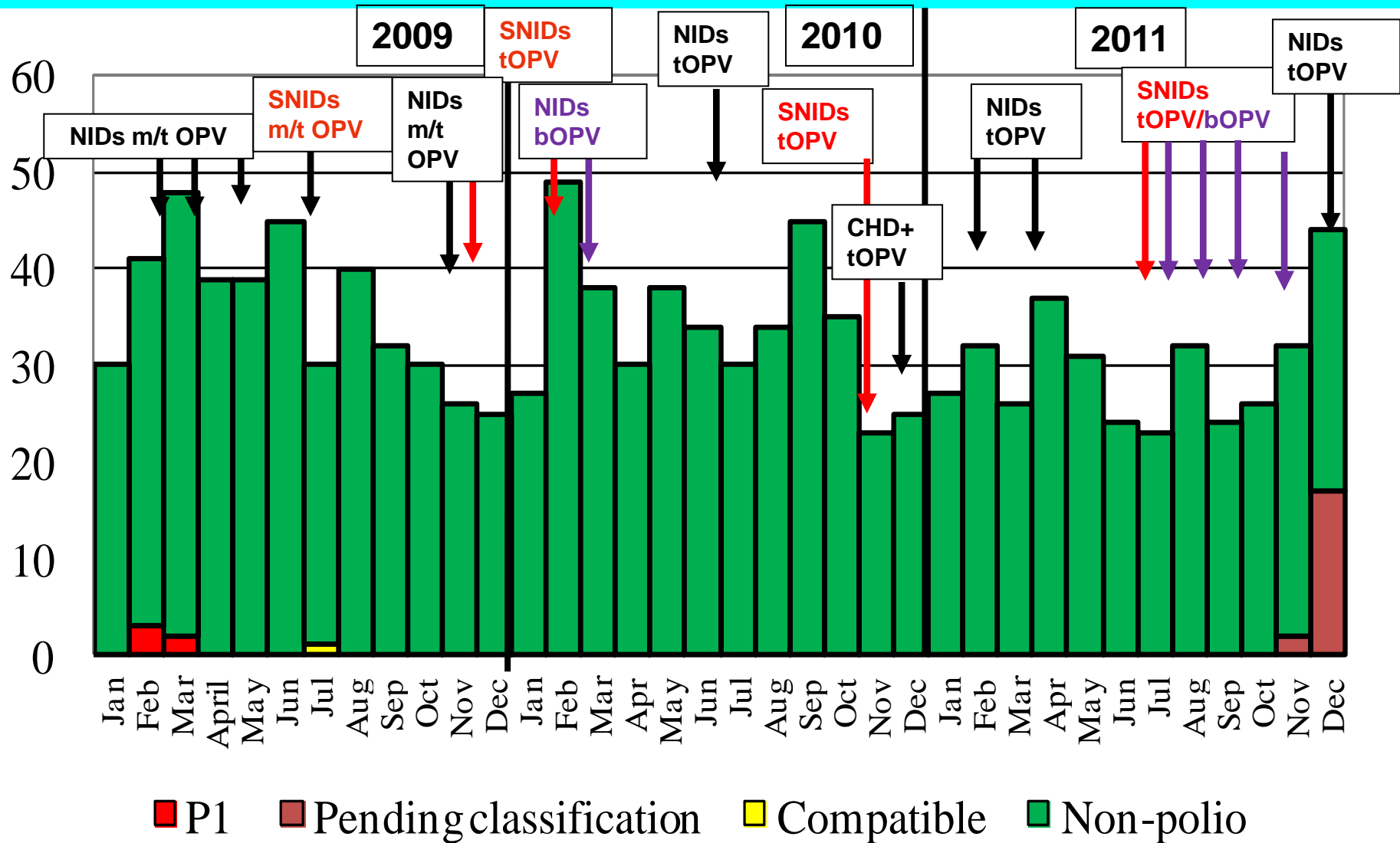
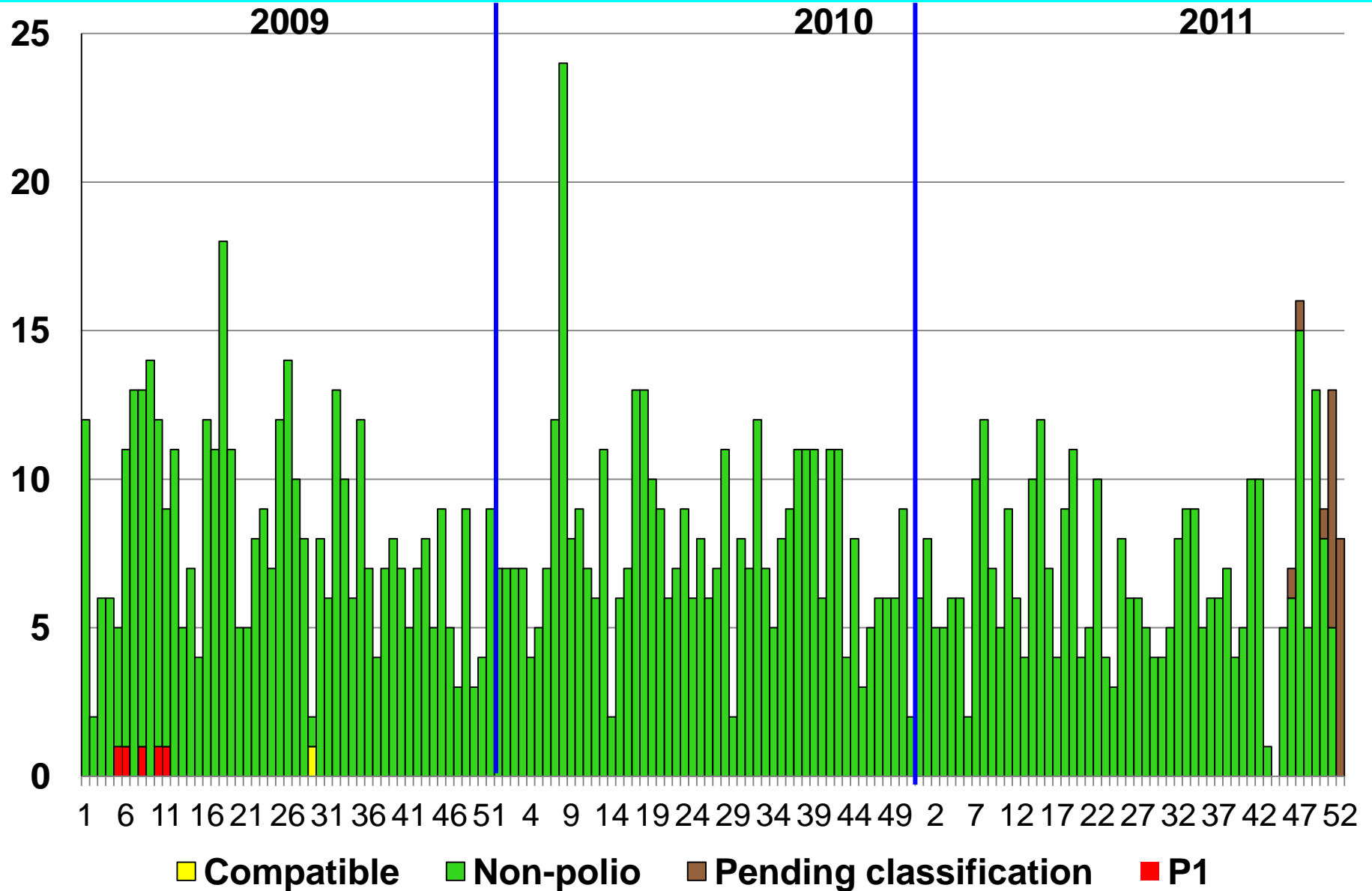


Fig. 13: Distribution of AFP cases by classification and week of onset, 2009 – 2011



Map 3. Non-polio AFP rate by state, 2010

Map 4. Annualized Non-polio AFP rate by state 2011



Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2010

Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2011

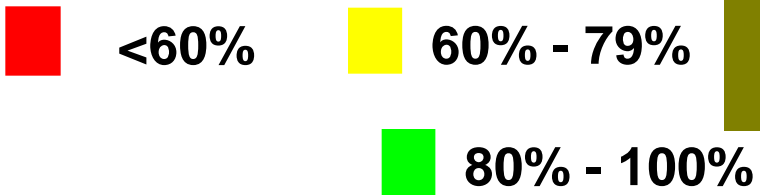


Table 2. National polio lab performance indicators 2009-2011

Indicator	2009	2010	2011
AFP cases with samples tested in NPL	403	401	358
Cases with wild poliovirus (imported P1)	5	0	0
Cases with wild poliovirus (imported P3)	0	0	0
Cases with non-polio enterovirus	13%	15%	16%
SL viruses No. & (%) from AFP cases	7(1.8%)	6(1.6%)	8(2.3%)
Median days from the time of samples received in the lab to primary culture report or L20B result	12 days	12days	12 days
Number of samples from the AFP contacts tested in the NPL	473	247	227
Contacts with non-polio enterovirus	8.6%	14%	10%
Sabin like viruses No. & (%) from contacts	4(0.9%)	0	5(2.7%)
NSL like viruses from contacts	3	0	0

**Table 3. Polio lab performance
2009 - 2011**

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 2nd sample	Arrival within 3 days of being sent from the 2nd sample
2009	403	0	0	352	51	13%	90%	78%	97%
2010	401	0	0	341	60	15%	94%	84%	99%
2011	358	17	0	288	53	16%	91%	83%	100%

Fig. 14: AFP Specimens' median timeliness NPL 2009-2011

