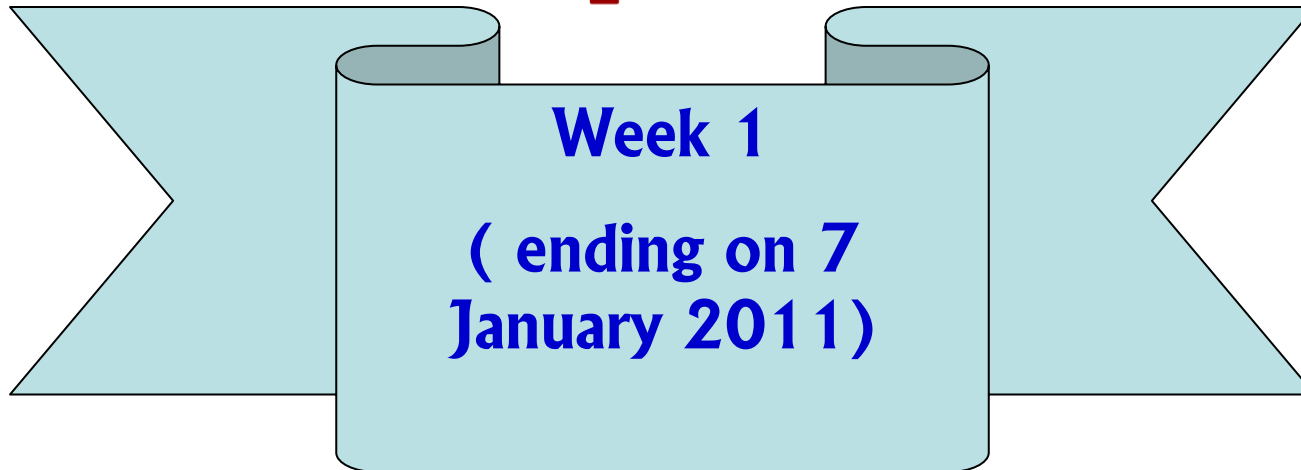




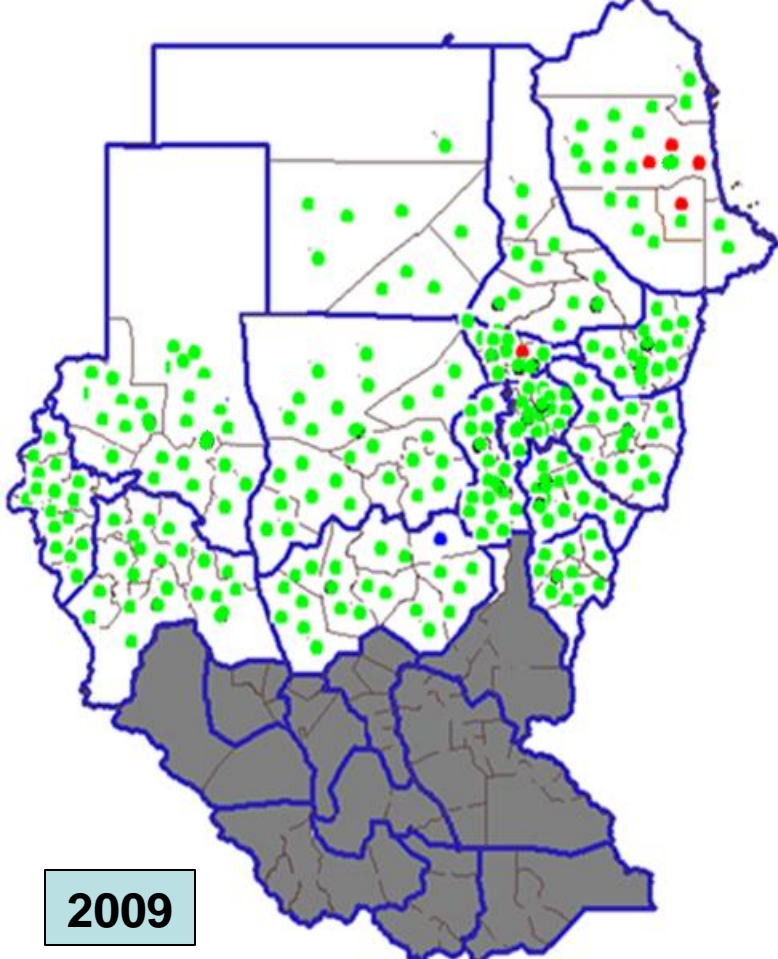
Sudan Weekly AFP surveillance report



**AFP surveillance
system North sudan**

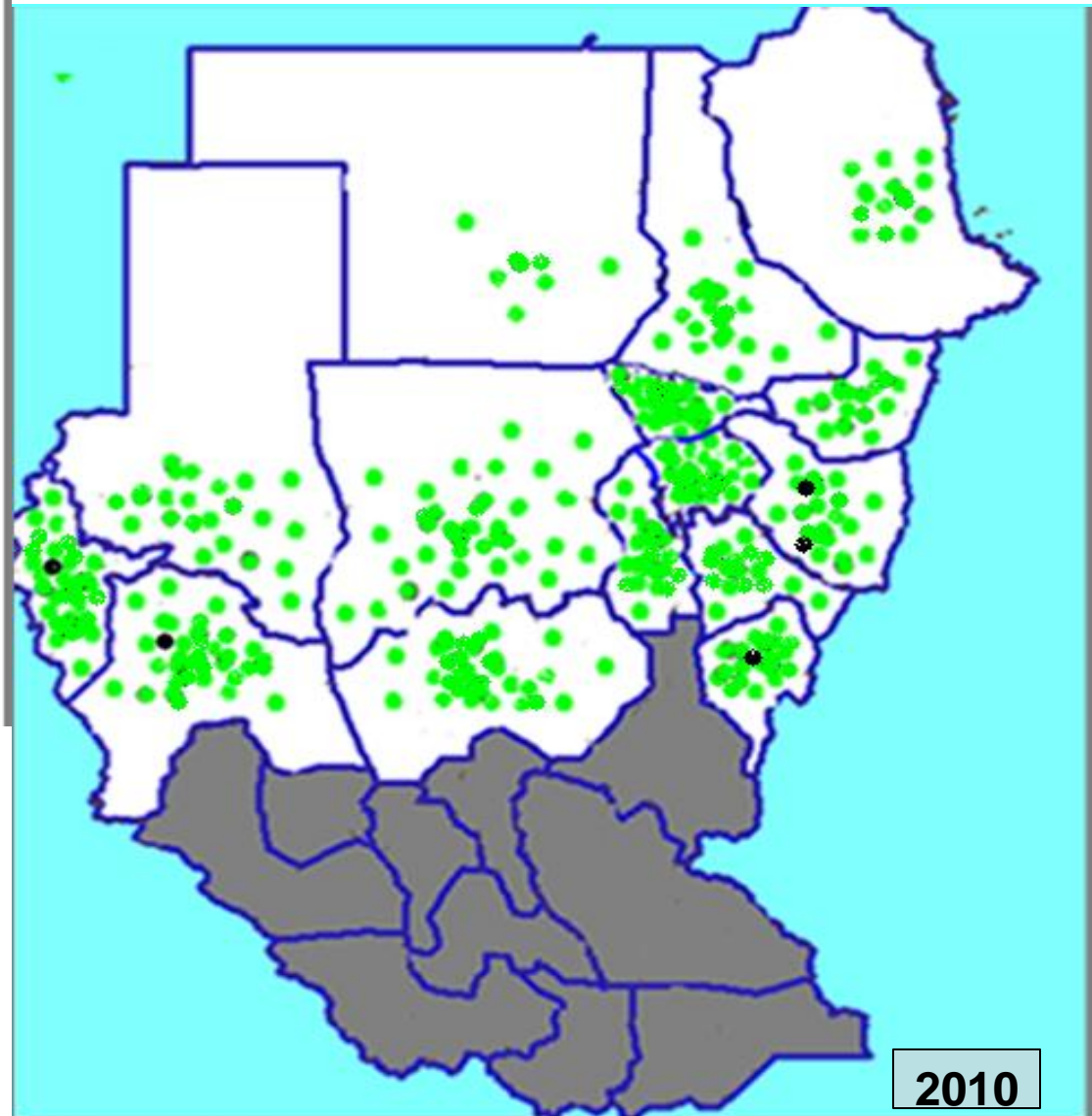
Map 2. Distribution of AFP cases by classification

N Sudan 2009-2010*



2009

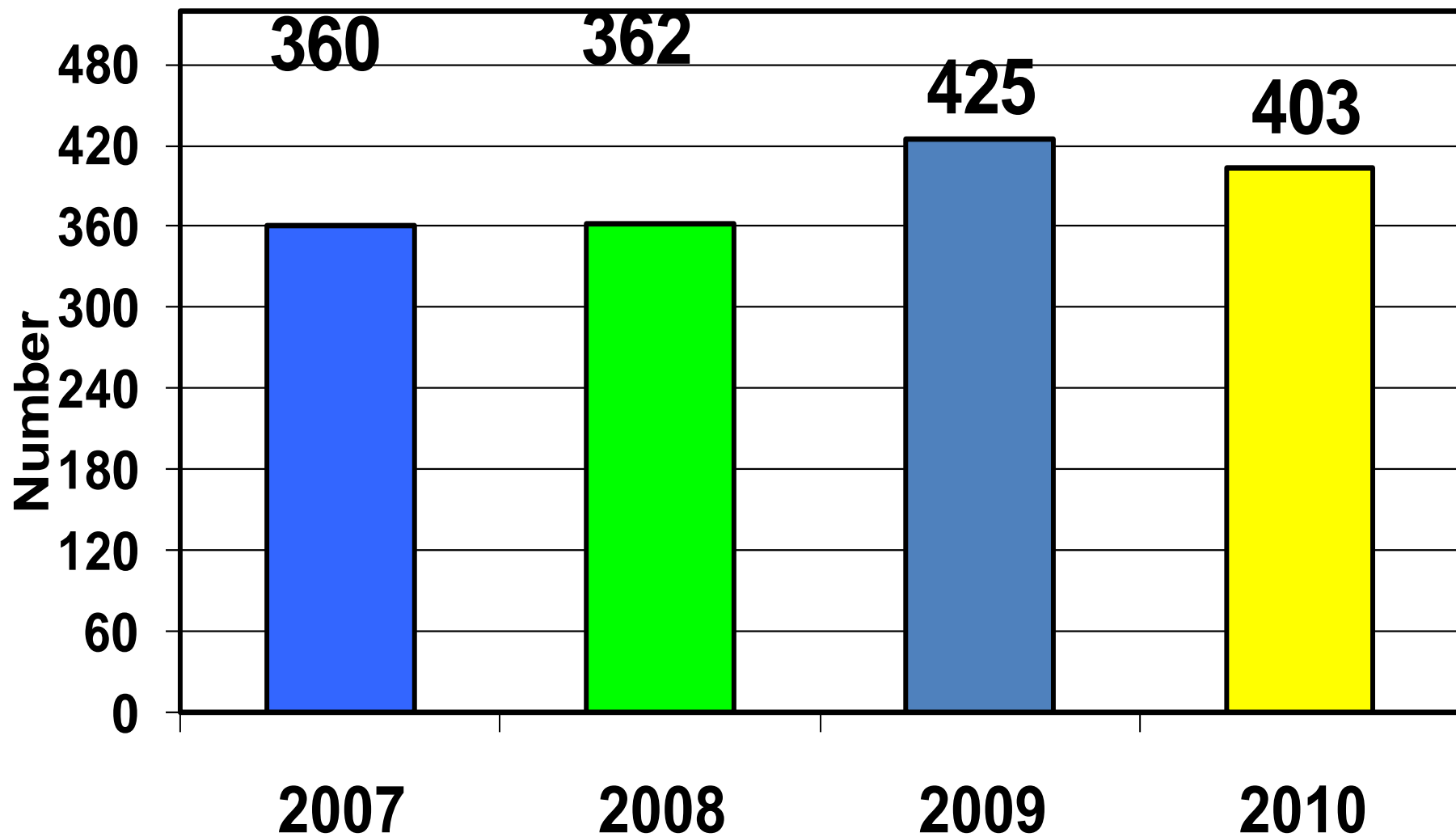
- Polio case P1
- Compatible case
- Non-polio AFP
- Pending classification



2010

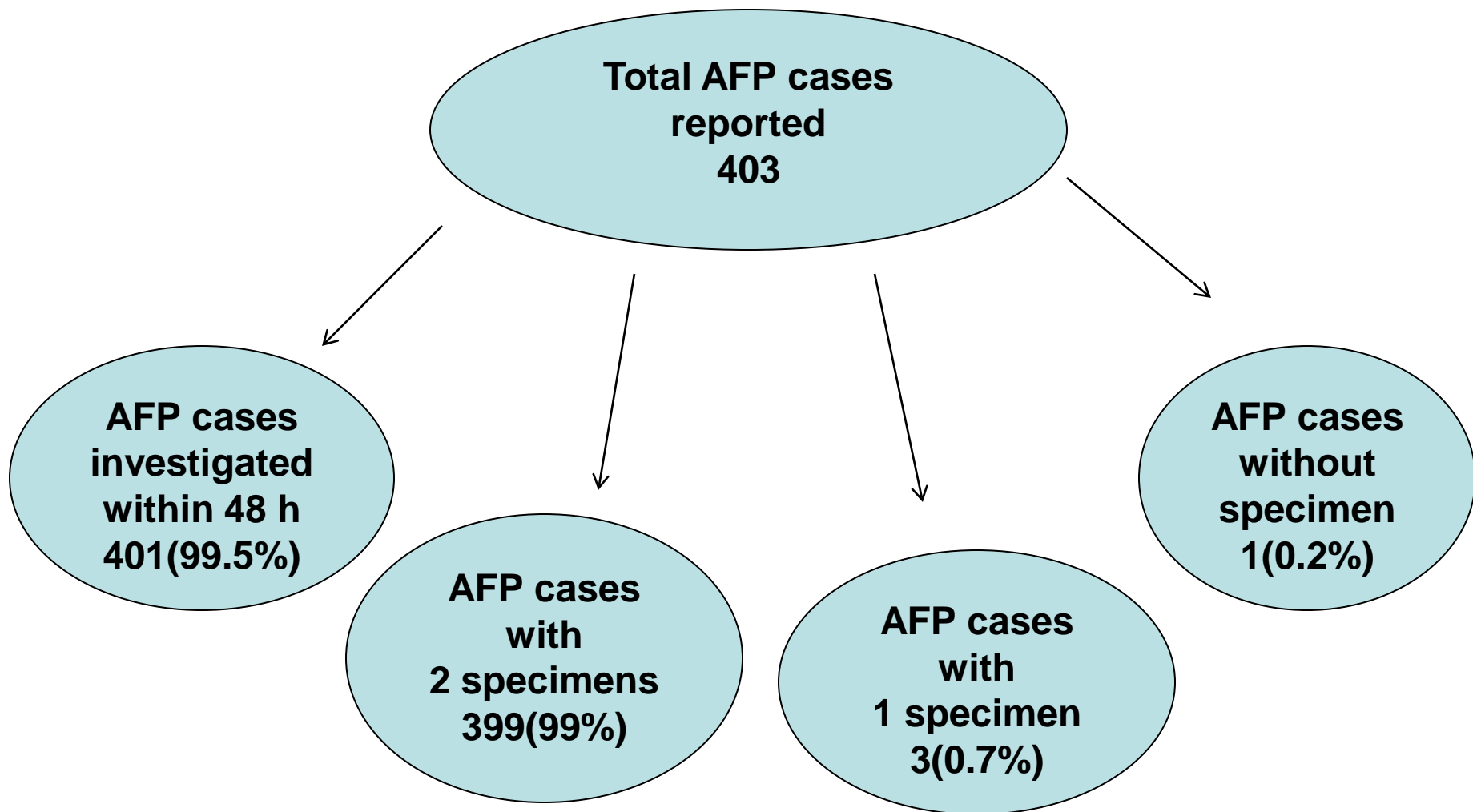
*Up to week 52

Fig 1. Total AFP cases, North Sudan 2007 - 2010*



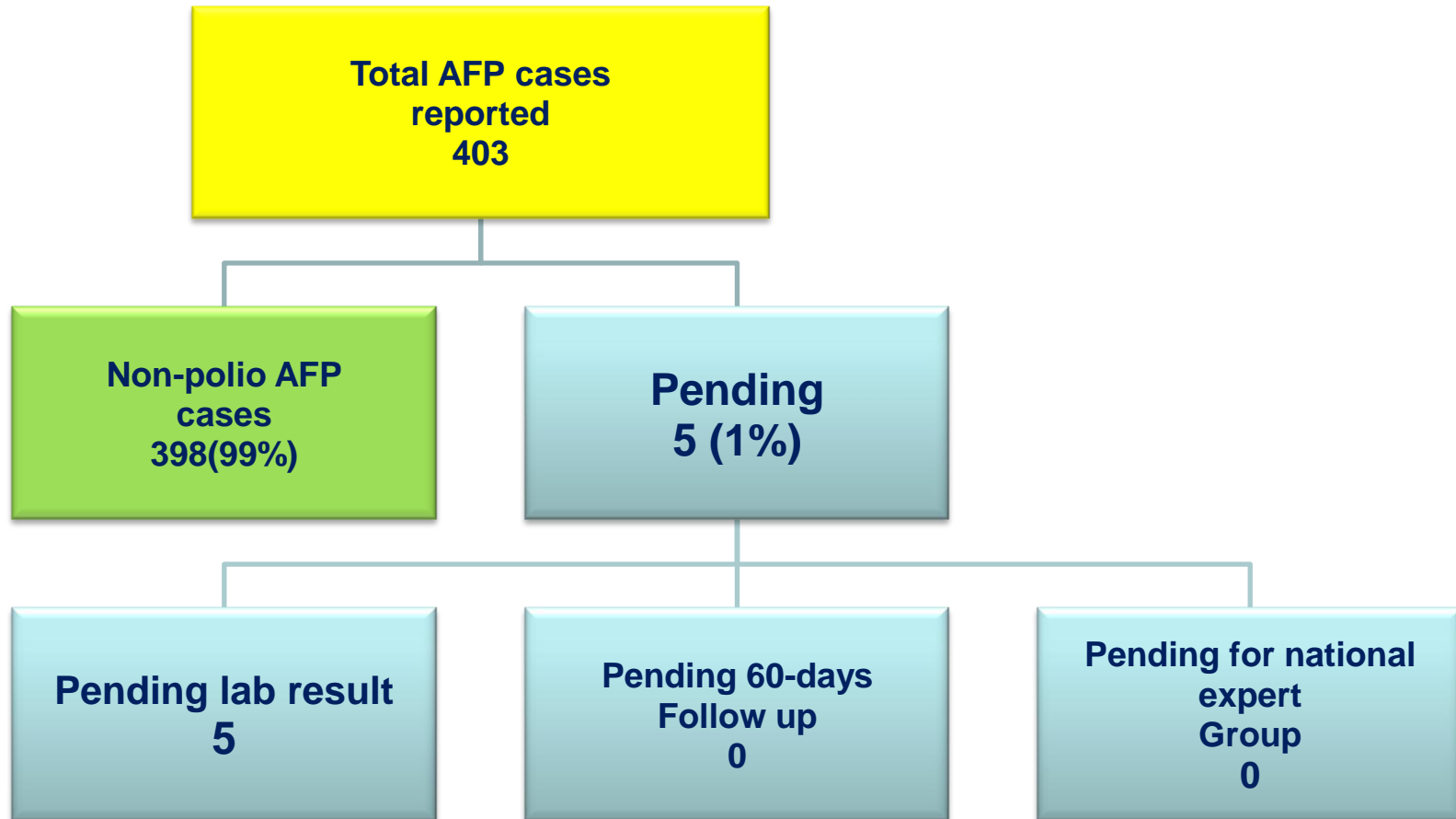
*Up to week 52

Fig 2. Timeliness of responding to reported AFP cases, North Sudan, 2010



***Up to week 52**

**Fig 2. Total AFP cases by classification,
North Sudan, 2010***



***Up to week 52**

Fig 3. North Sudan AFP cases by age group, 2009 and 2010*

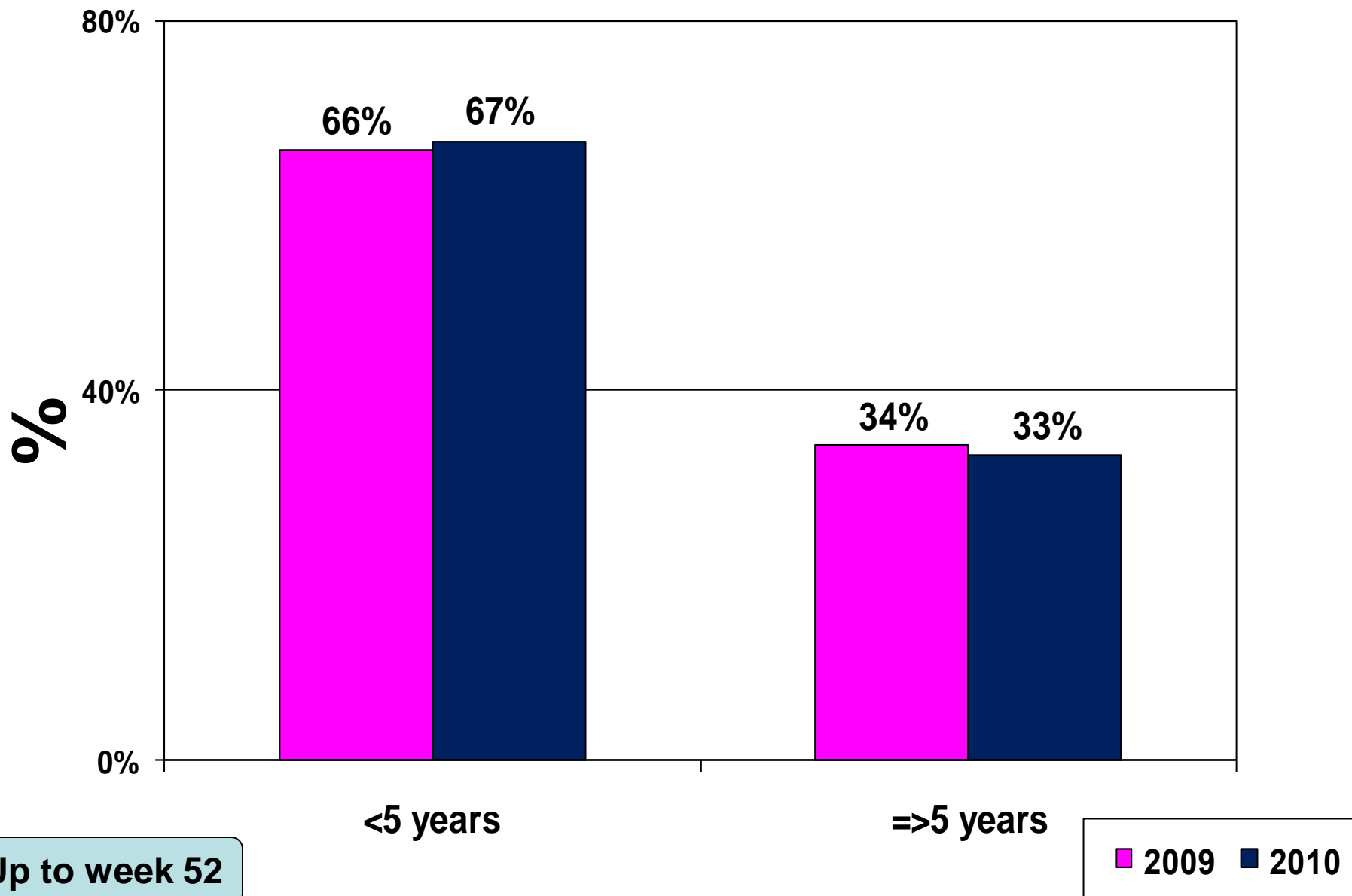
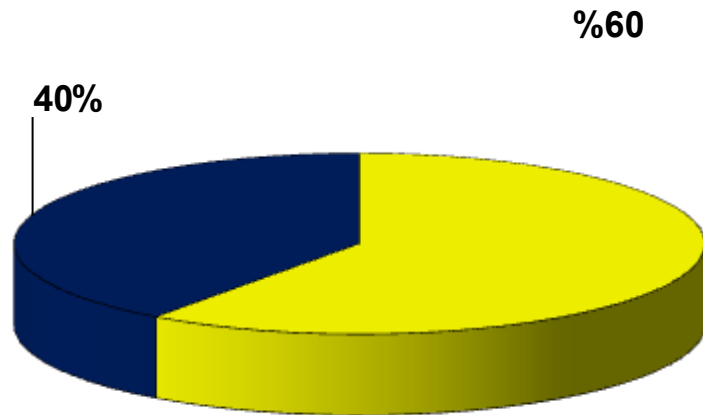
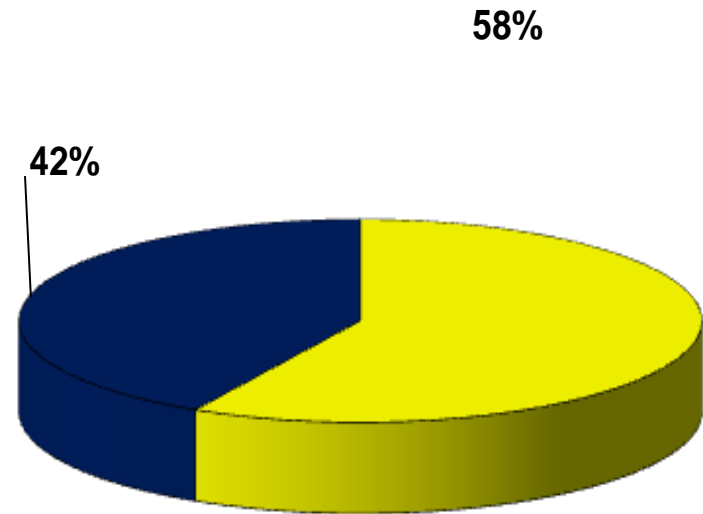


Fig 4. North Sudan AFP cases by Sex, 2009- *2010

2009



2010



*Up to week 52

■ male ■ female

Fig 5. Percent distribution of AFP cases by time of detection, North Sudan, 2009

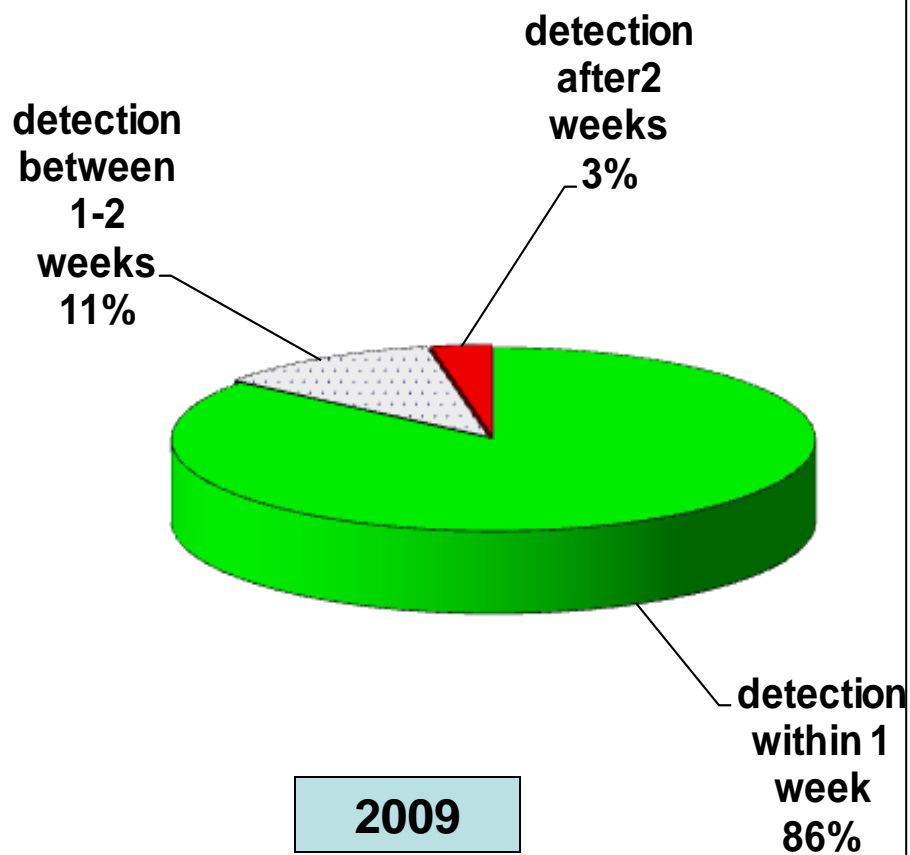
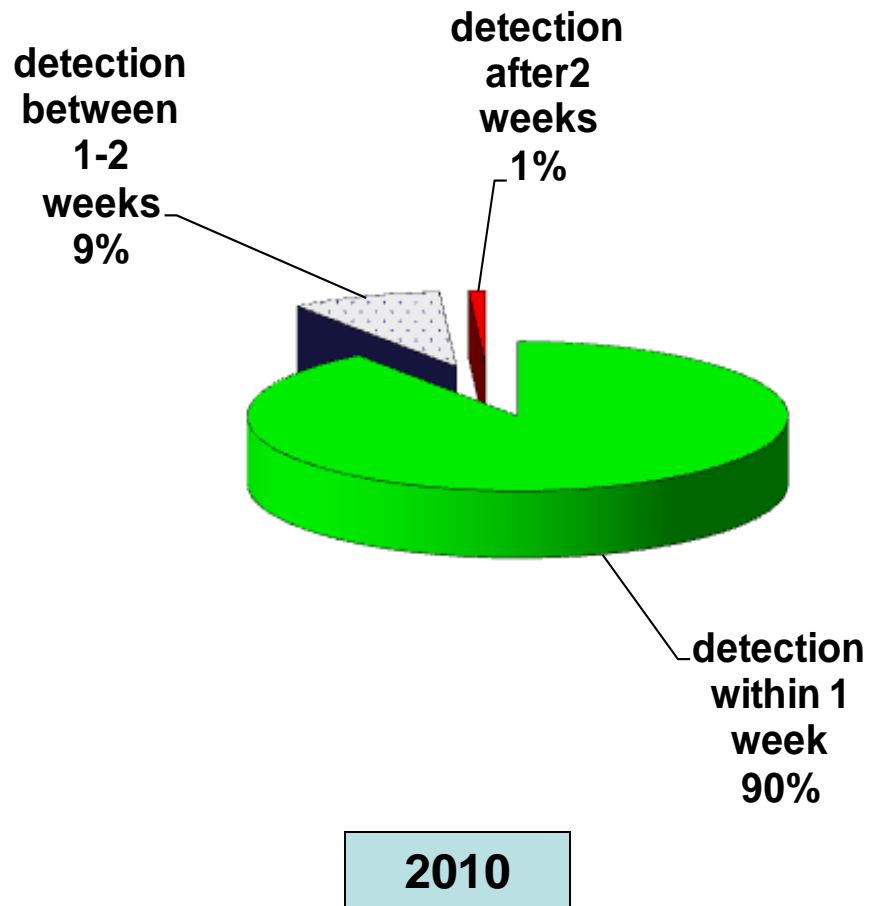
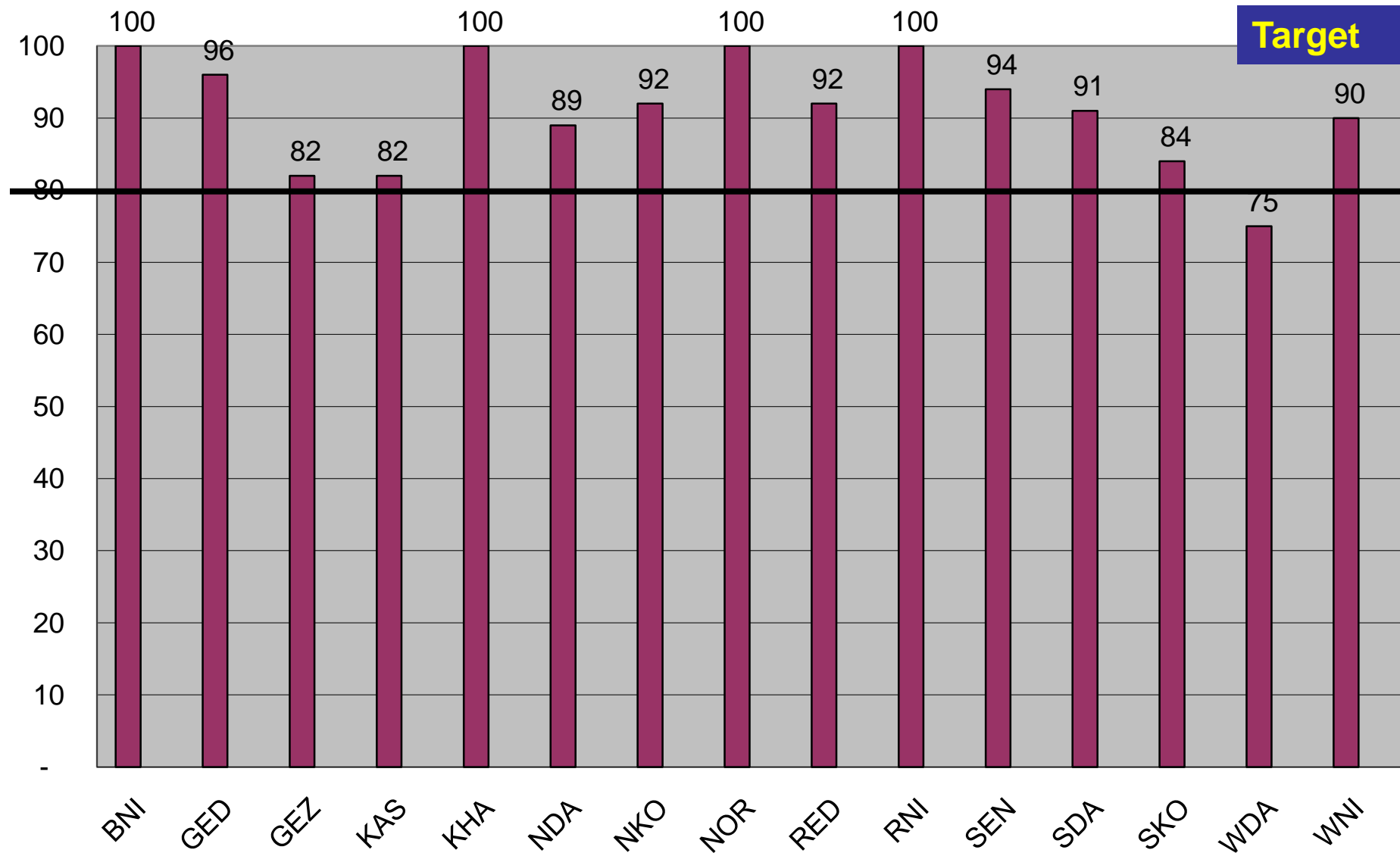


Fig 6. Percent distribution of AFP cases by time of detection, North Sudan, 2010



***Up to week 52**

Early detection {within one week} of AFP cases by states North sudan 2010



*Up to week 52

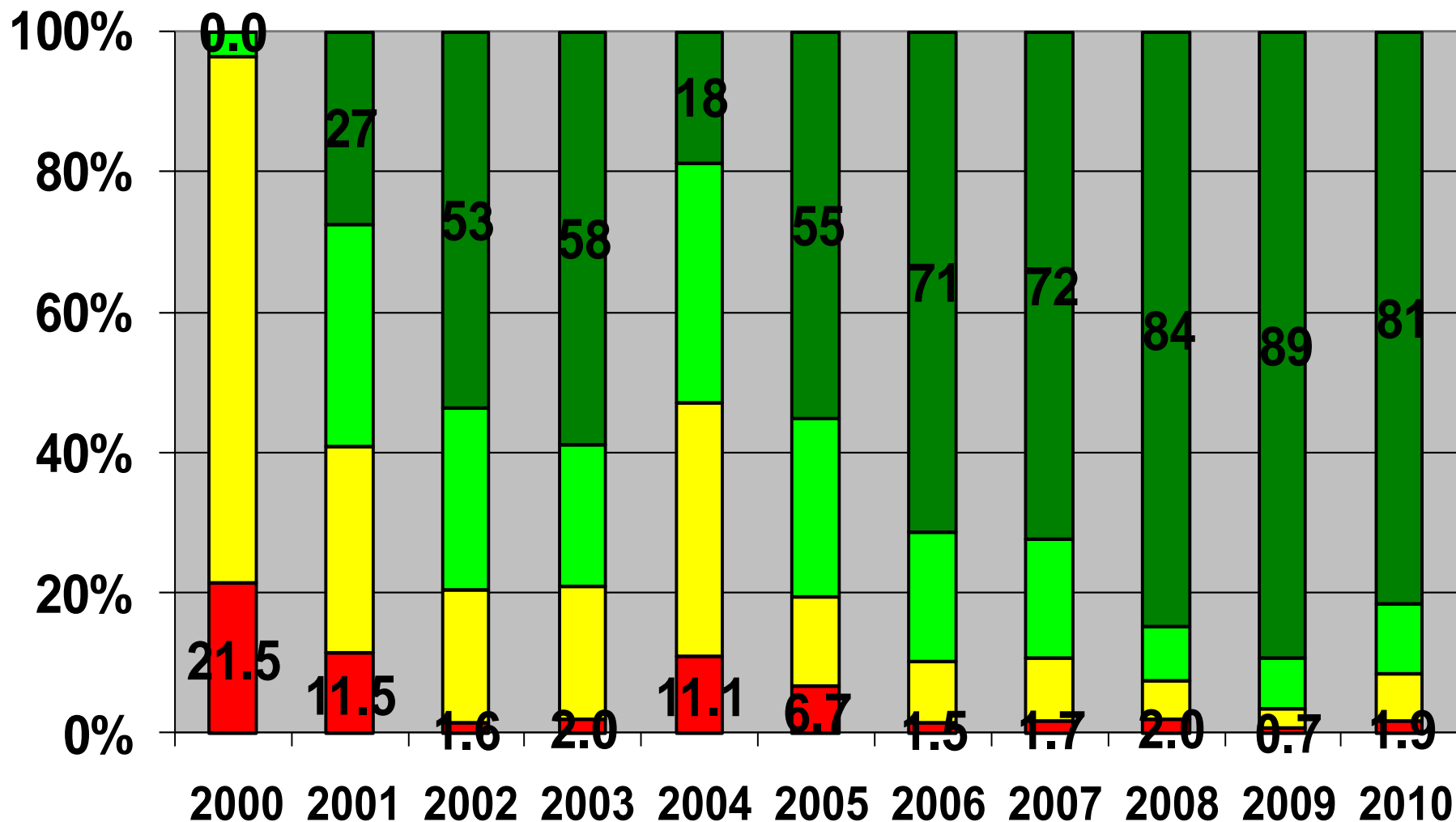
Table 1. Major AFP surveillance performance indicators, Northern States, 2010 (up to wk 52)

State	U 15 yrs population	Reported AFP cases	Non-polio AFP cases	Pending classifica	Polio	Comp cases	% Adequate stools	Non-polio AFP rate	% NPEV
B. Nile	355,219	20	19	1	0	0	100%	5.6	5%
Gedarif	833,767	22	20	2	0	0	95%	2.6	9%
Gezira	1,868,934	50	50	0	0	0	96%	2.7	20%
Kasala	815,721	22	22	0	0	0	95%	2.7	5
Khartoum	2,316,035	48	48	0	0	0	100%	2.1	10%
N.Darf	836,608	28	28	0	0	0	100%	3.3	18%
N.Kord	1,243,363	39	39	0	0	0	97%	3.1	15%
Northern	263,099	7	7	0	0	0	100%	2.7	14%

Con-Table 1. Major AFP surveillance performance indicators, Northern States, 2010 (up to wk 52)

State	U 15 yrs population	Reported AFP cases	Non-polio AFP cases	Pending classification	Polio	Comp cases	% Adequate stools	Non-polio AFP rate	% NPEV
Red Sea	329,031	13	13	0	0	0	92%	4.0	8%
River Nile	453,525	18	18	0	0	0	94%	4.0	6%
Sennar	699,734	16	16	0	0	0	88%	2.3	25%
S. Darfur	1,689,498	34	33	1	0	0	97%	2.0	24%
S. Kord	947,711	25	25	0	0	0	100%	2.6	28%
W.Darfur	927,169	40	39	1	0	0	98%	4.3	15%
W. Nile	814,450	21	21	0	0	0	100%	2.6	14%
Total	14,393,864	403	398	5	0	0	97%	2.8	15%

Fig 7. Percent distribution of AFP cases < 60 months by number of OPV doses, North Sudan 2000-010*



0 OPV doses

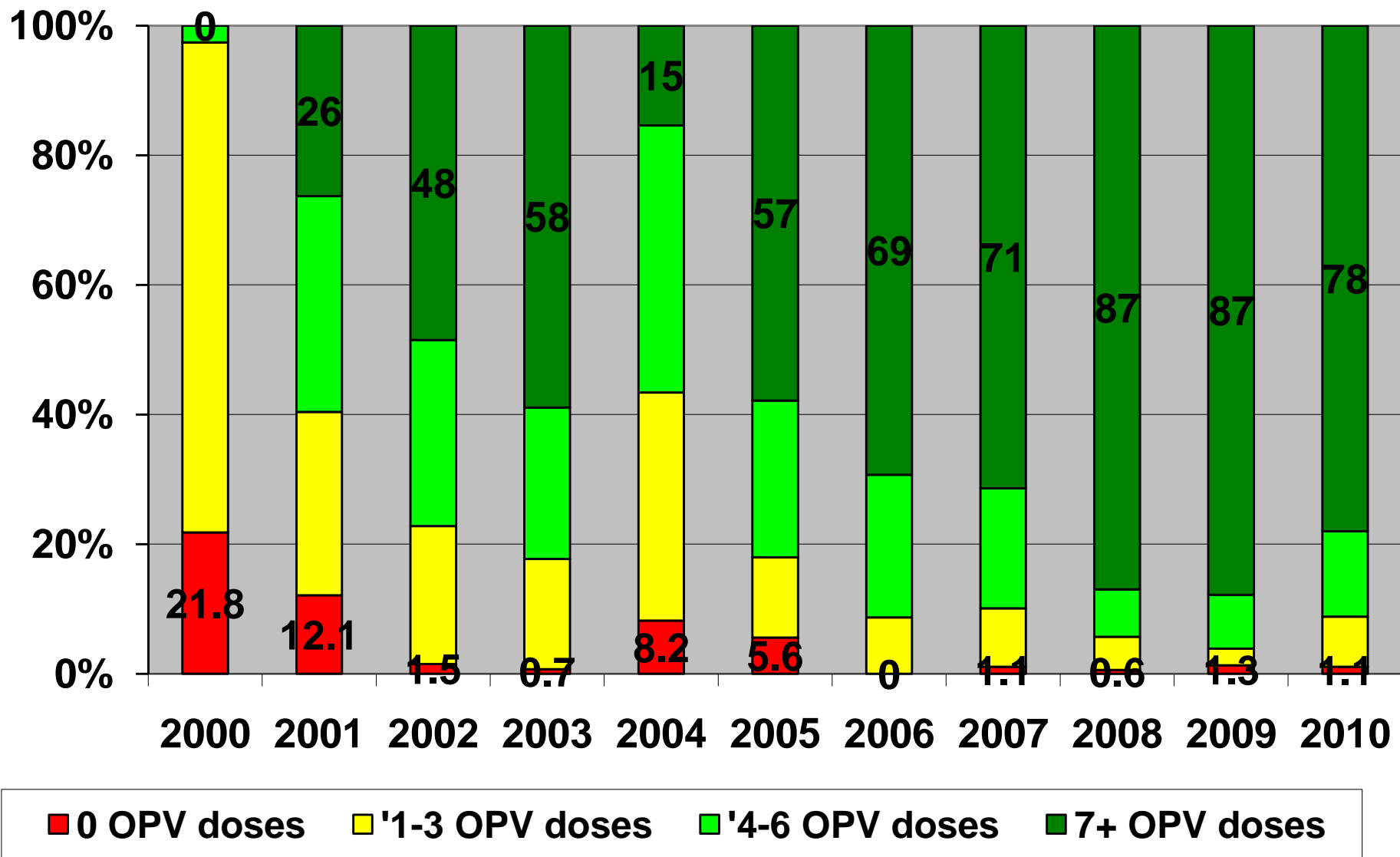
1-3 OPV doses

4-6 OPV doses

7+ OPV doses

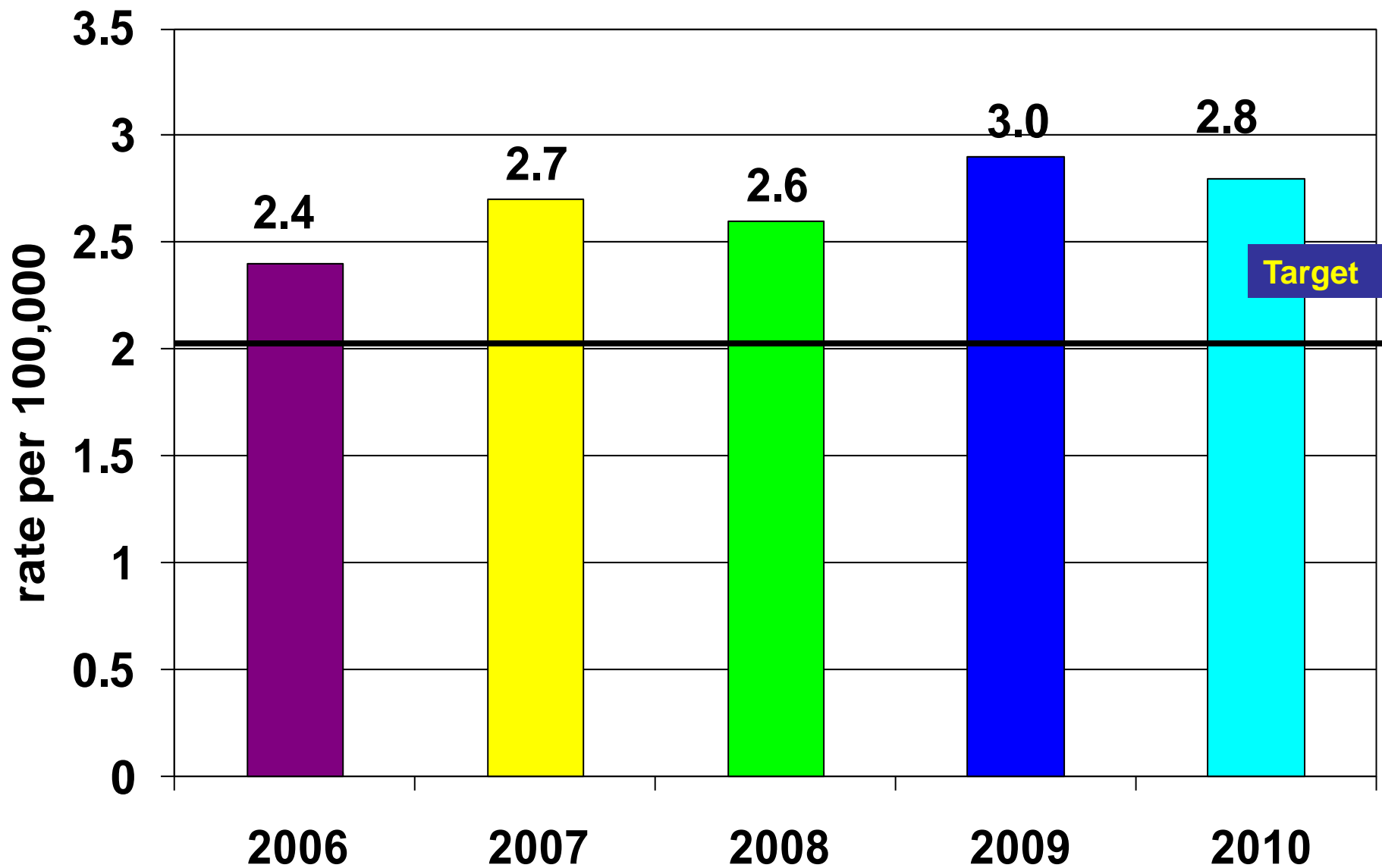
*Up to week 52

Fig 8. No. & percent distribution of AFP cases 6-36 months by number of OPV doses, North Sudan 2000-010*



*Up to week 52

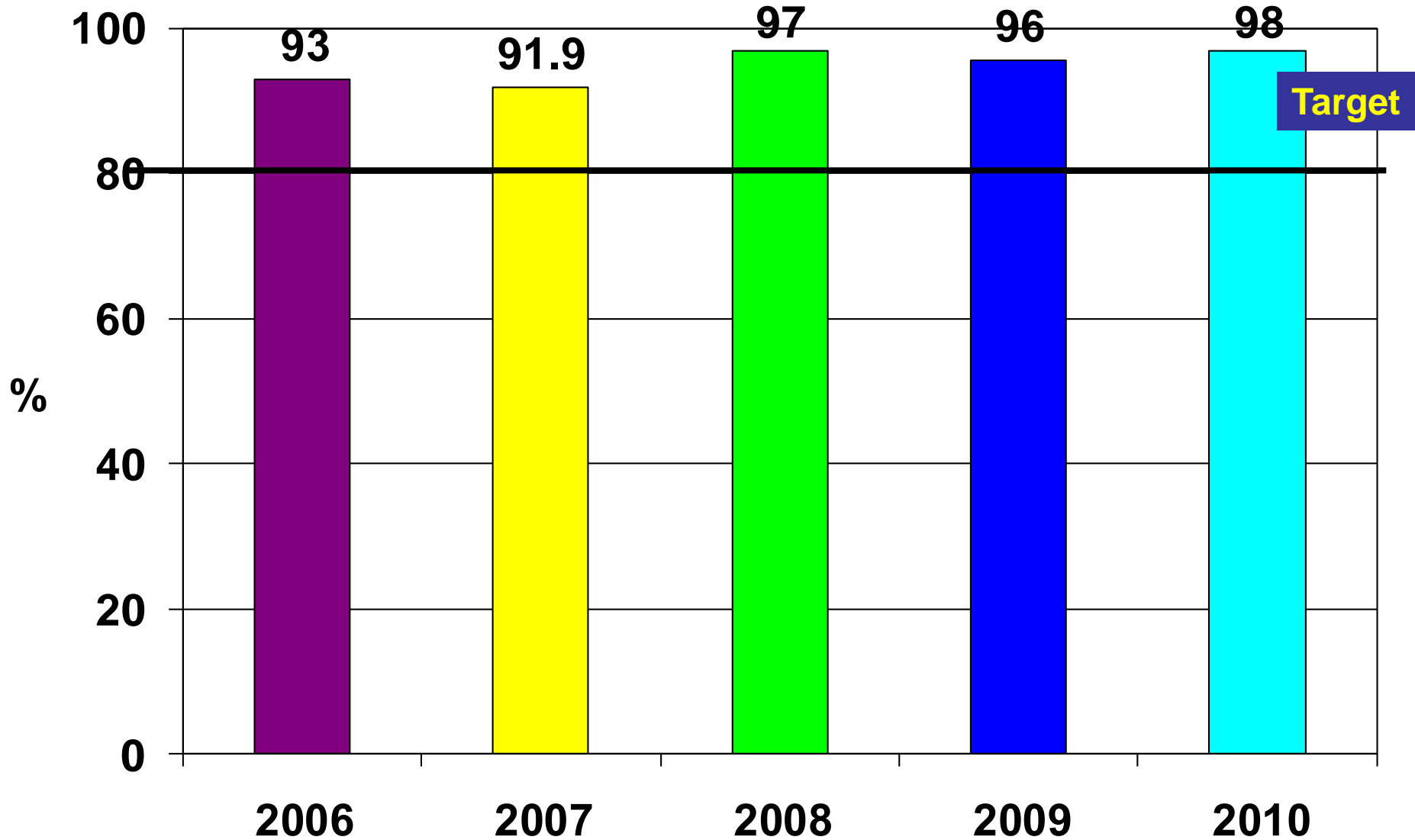
Fig 8. Non-Polio AFP rate per 100,000 children under 15 years of age, North Sudan, 2006 – 2010



*Up to week 52

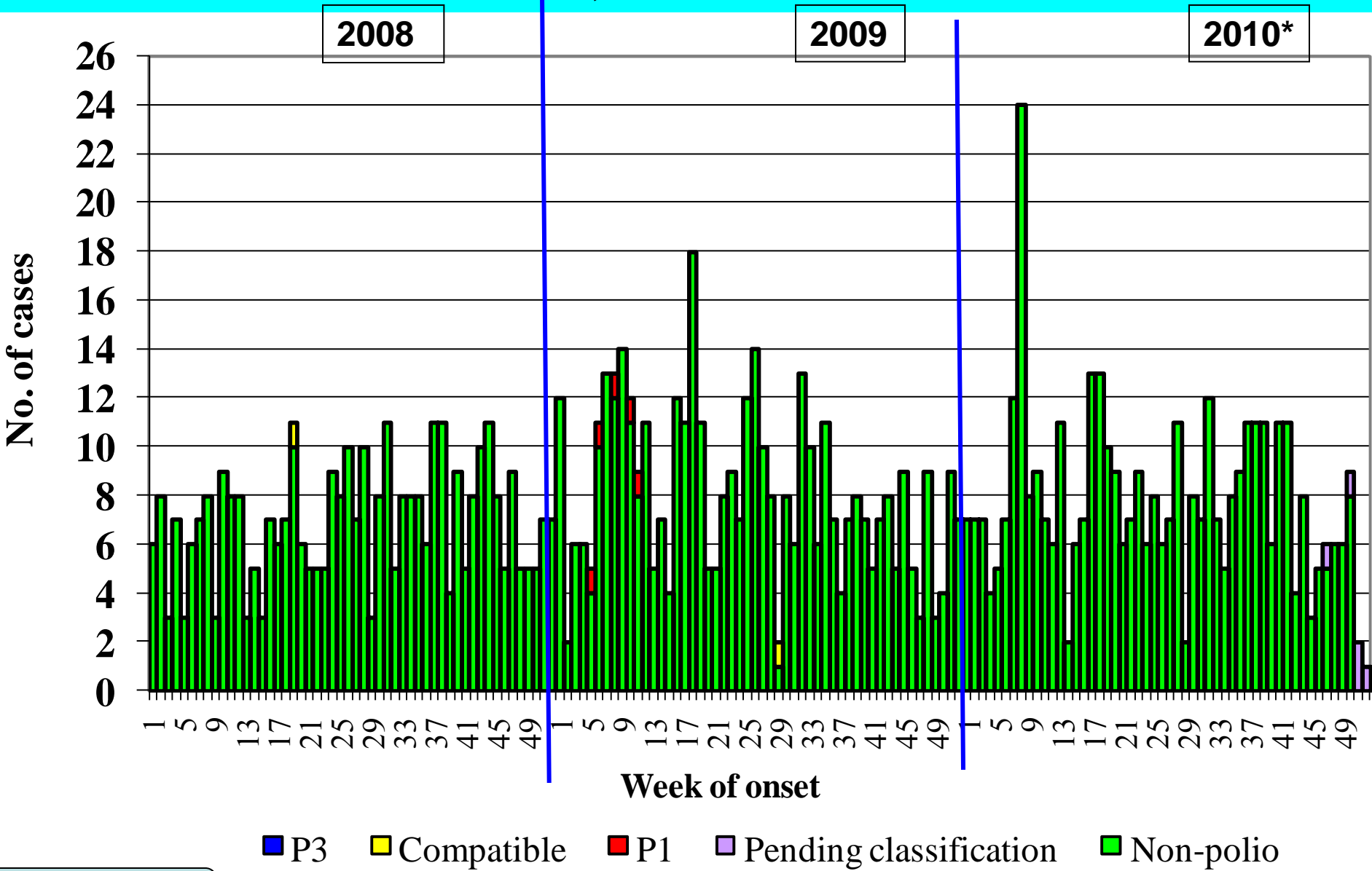
Fig 9. Adequate stool collection rate

North Sudan, 2006 – 2010*



*Up to week 52

Fig 12. Distribution of AFP cases by classification and week of onset, North Sudan 2007 – 2010*



*Up to week 52

Fig 13. Zero Reports (Comp. & Time.) According To Reporting To C.U for Northern States, 2008-2011

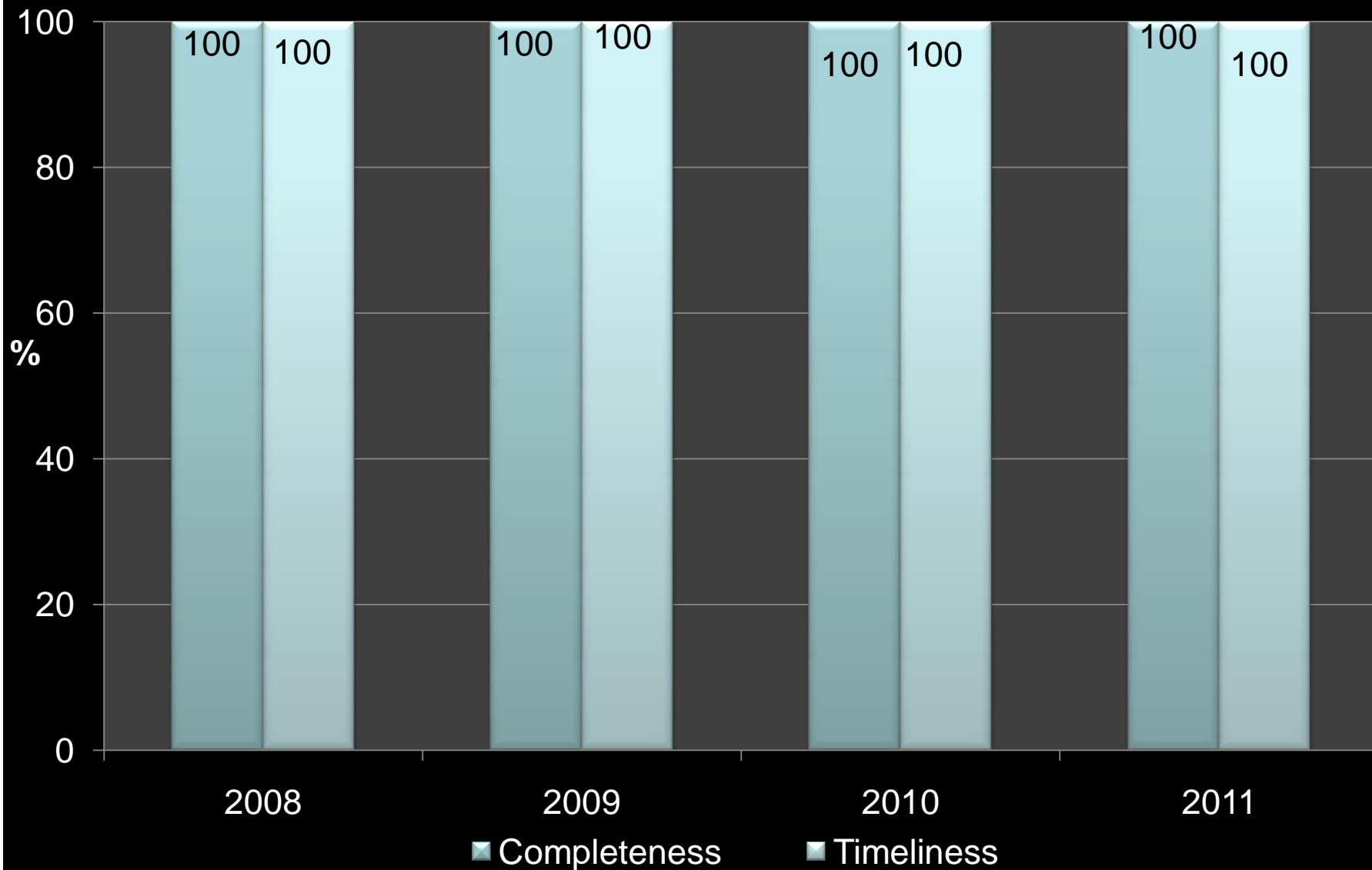
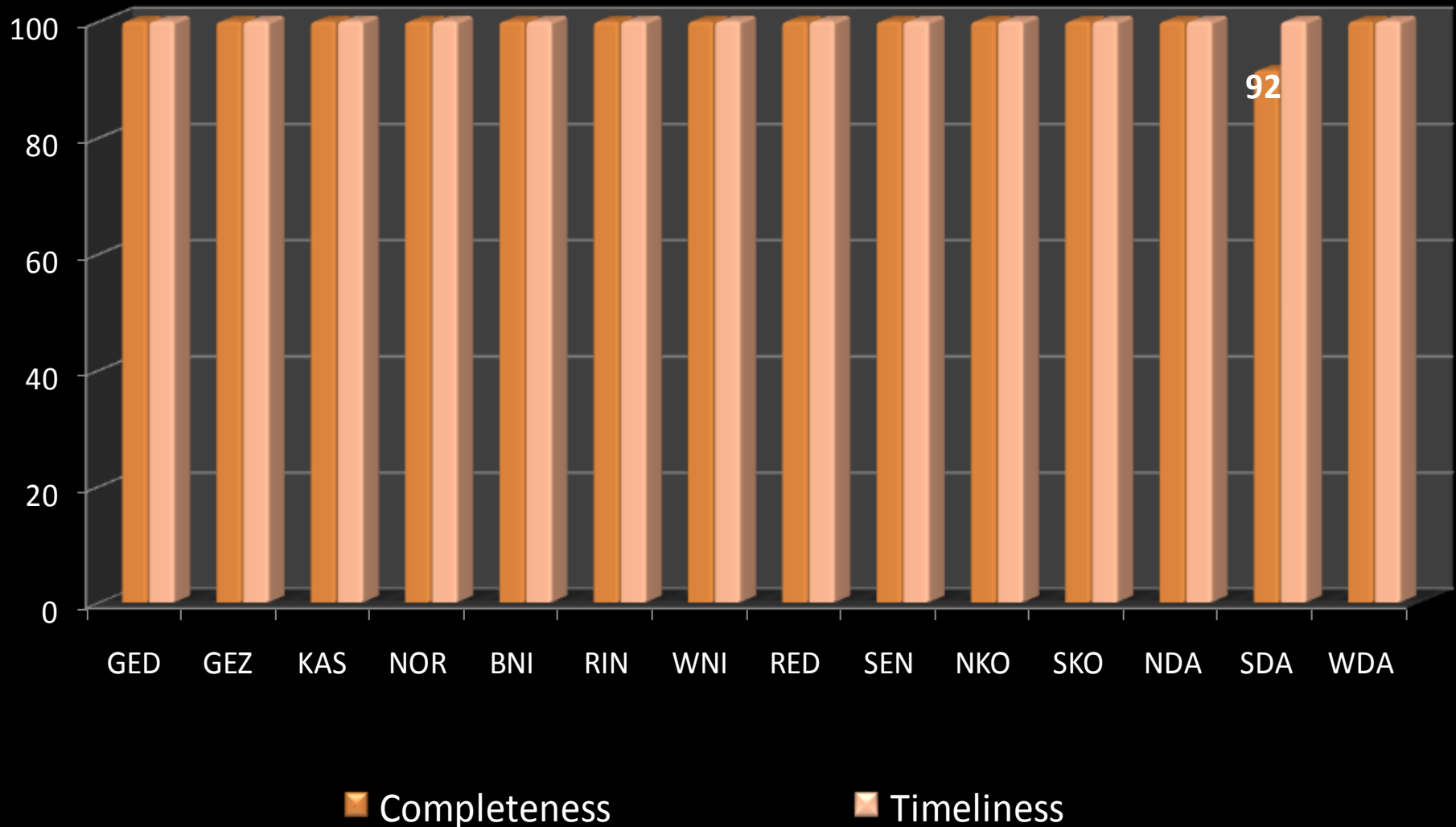
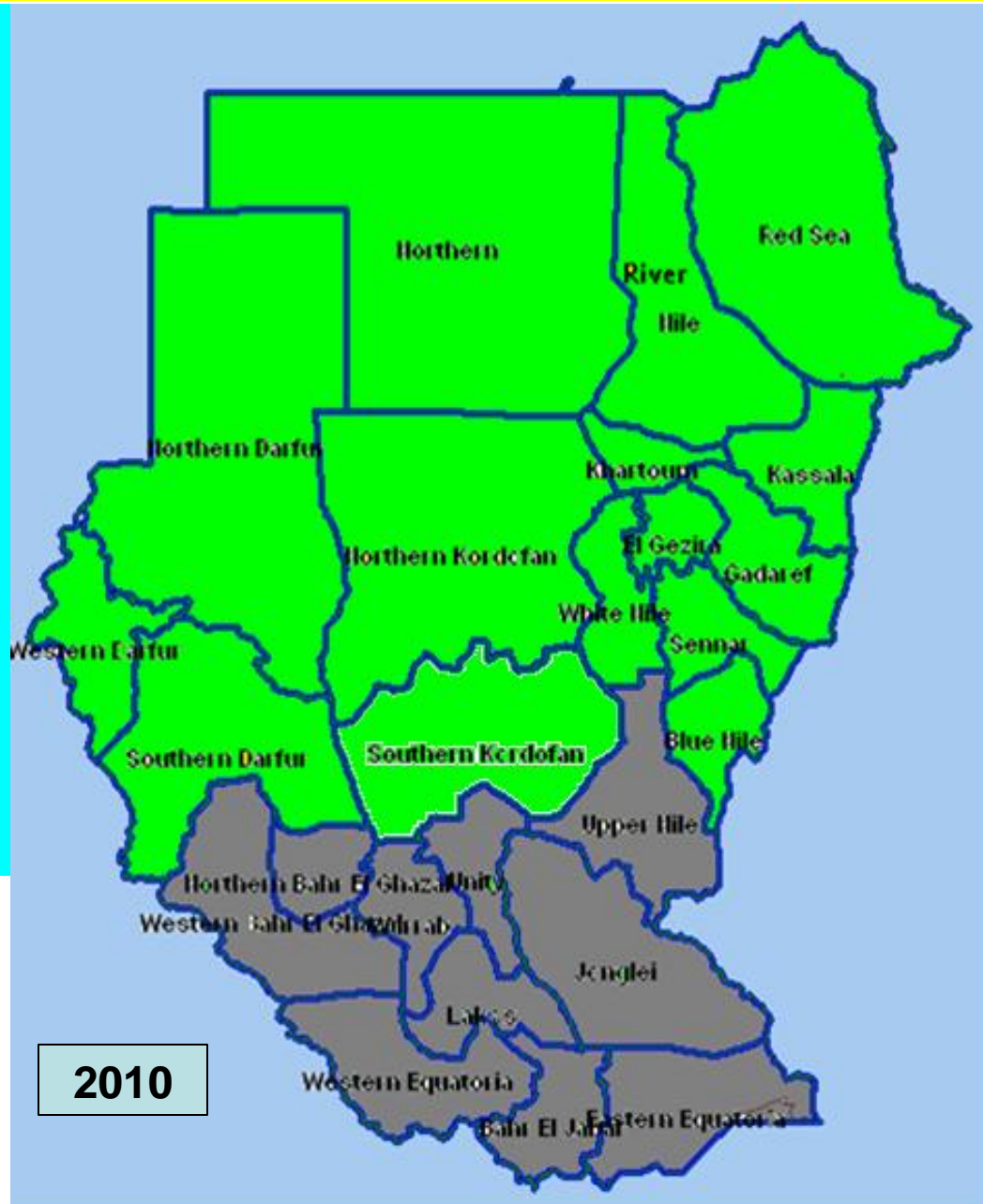
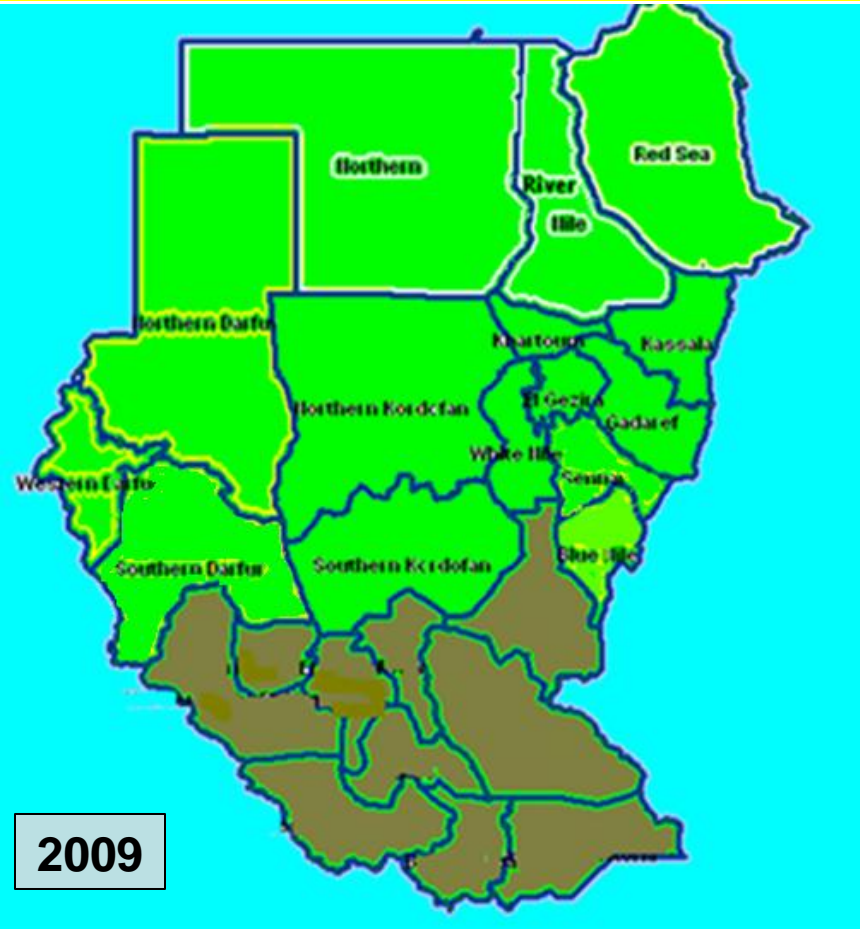


Fig 14. (Comp. & Time) Of Zero Reports According To Reporting Sites For Northern States 2011 (week1)



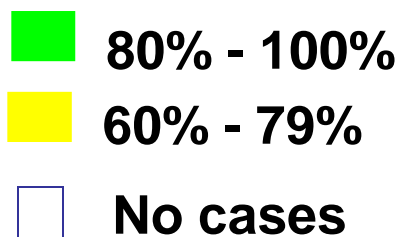
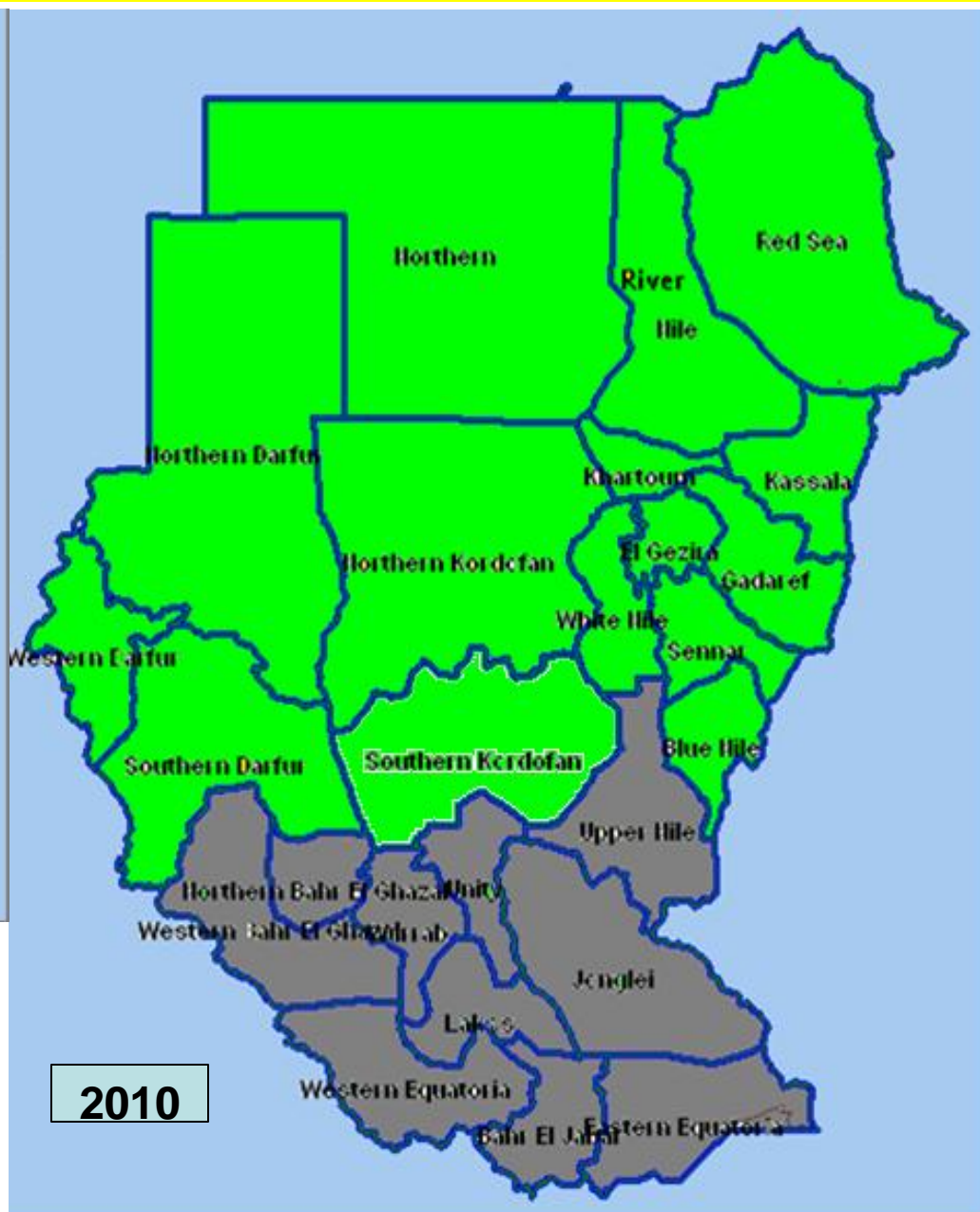
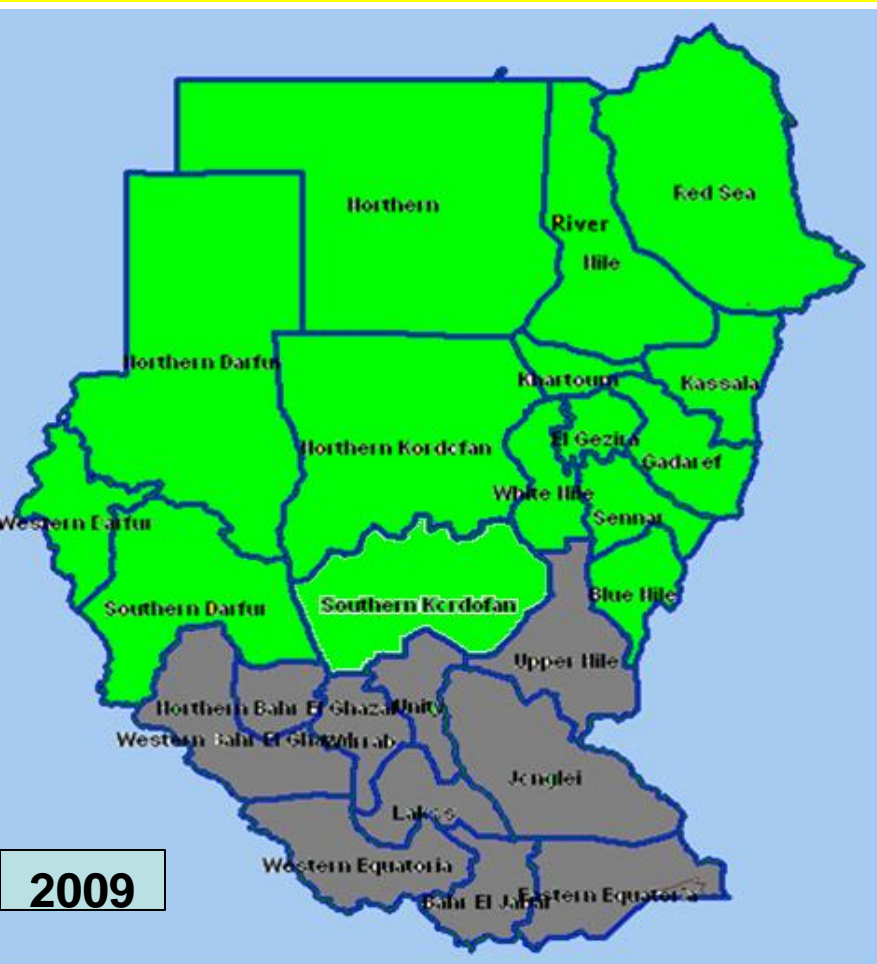
Map 3. Annualized non-polio AFP rate per 100,000 by state, 2009- 2010 {up to week 52}



2 or more per 100,000

1-1.9 per 100,000

Map 4. Percent distribution of AFP cases having adequate stool samples by state, 2009- 2010 {up to week 52}



2010

- AFP case during 2011
- SUD.WNI.2011.001
- A male child aged 5 years from Kosti Town, Kosti locality. The onset of paralysis was on 2nd of January 2011, notified on the same day from private clinic, investigated on 3rd of January. Adequate stool samples were collected and received in the lab.
- The case was diagnosed as GBS.
- Received 18 OPV doses.

**Table 4. National polio lab performance indicators
North Sudan, 2008-2010**

Indicator	2008	2009	2010*
AFP cases with samples tested in NPL	361	420	402
Cases with wild poliovirus (imported P1)	0	5	0
Cases with wild poliovirus (imported P3)	2	0	0
Cases with non-polio enterovirus	14%	13%	15%
SL viruses No. & (%) from AFP cases	7 (2%)	7 (1.7%)	6 (1.6%)
Median days from the time of samples received in the lab to primary culture report or L20B result	11 days	12 days	12 days
Number of samples from the AFP contacts tested in the NPL	407	488	245
Contacts with non-polio enterovirus	8.1%	8.2%	(14.6)%
Sabin like viruses No. & (%) from contacts	9(2.3%)	4(0.9)	0
NSL like viruses from contacts	0	3	0
Number of Healthy children received in the lab	0	0	5

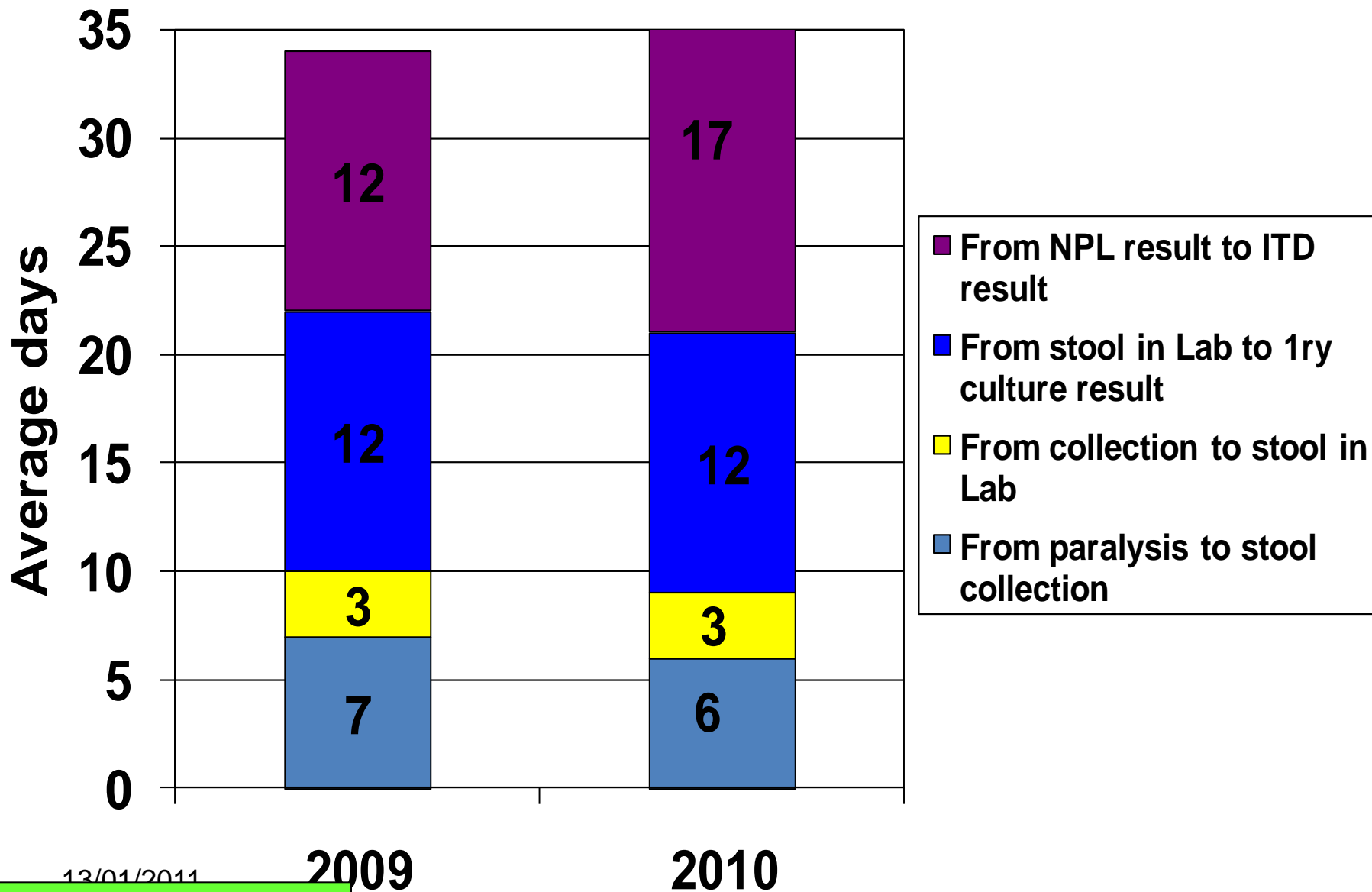
**Table 5. Polio lab performance
North Sudan, 2009 and 2010 {up to week 52}**

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	Arrival within 3 days of being sent
Up to W52 2009	420	0	0	371	53	13%	91%	81%	99%
Up to W52 2010	402	5	2	336	61	15%	93.7%	84%	99%

**Table 2 Polio lab performance
North Sudan up to week one 2010 and 2011**

Week of onset	Total Cases	Cases under process	L20B POS	NPEV negative	NPEV positive	% NPEV	Result reported within 14days	Arrival within 3 days of being collected
Up to Week one 2011	1	0	0	0	0	0%	0%	
Up to week one 2010	1	0	0	0	0	0%	0%	

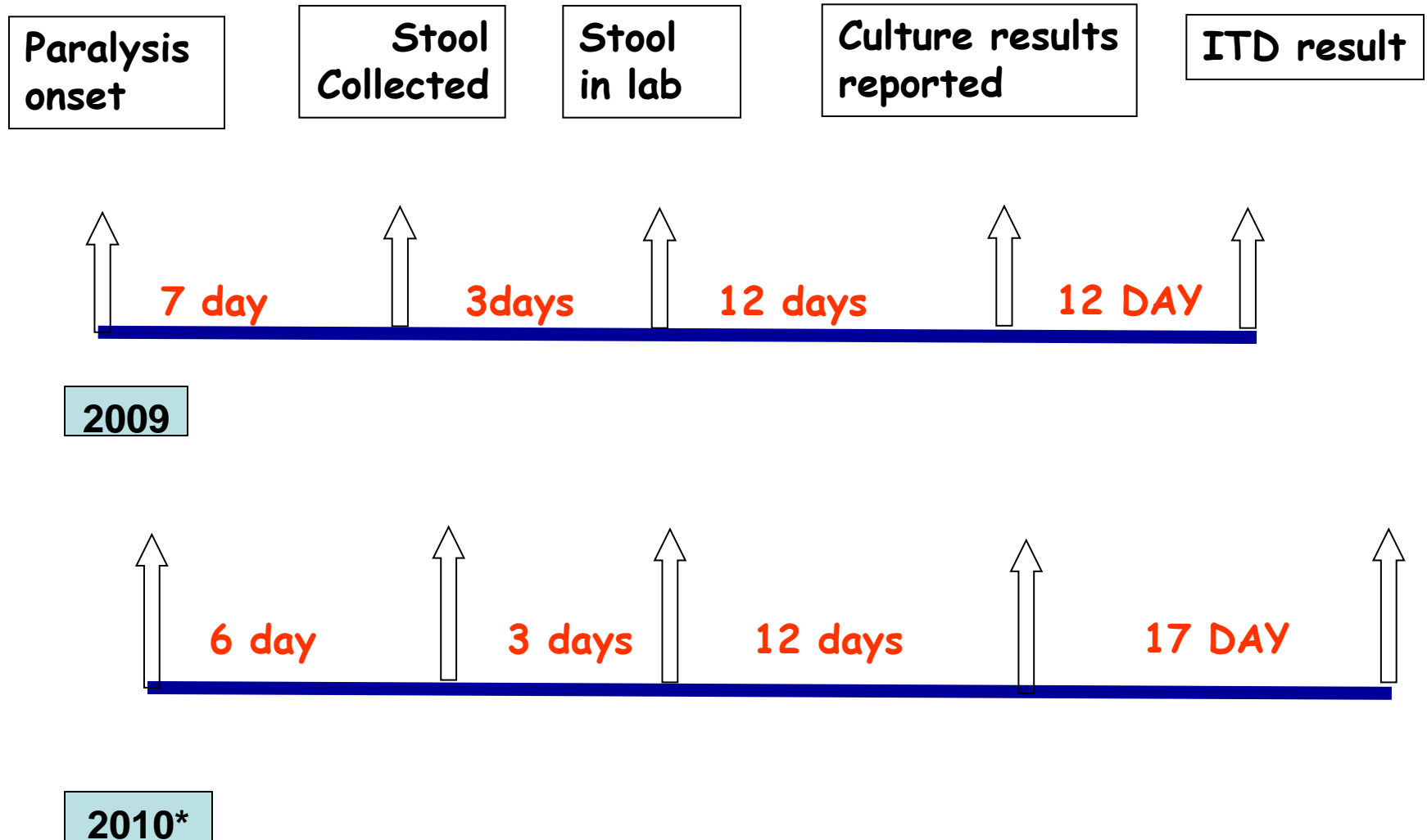
Fig. 14: AFP Specimens' timeliness, NPL2009-2010* up to W52



13/01/2011

* Up to 10/12/2010

Fig. 14: AFP Specimens' timeliness, NPL 2009-2010



* UP to 10/12/2010

Thanks