

Sudan Weekly AFP Surveillance Report

Week 34

(Ending on 28 August 2009)

**National AFP
Surveillance system
Sudan**

Map1. Distribution of AFP cases by classification

N Sudan 2009*

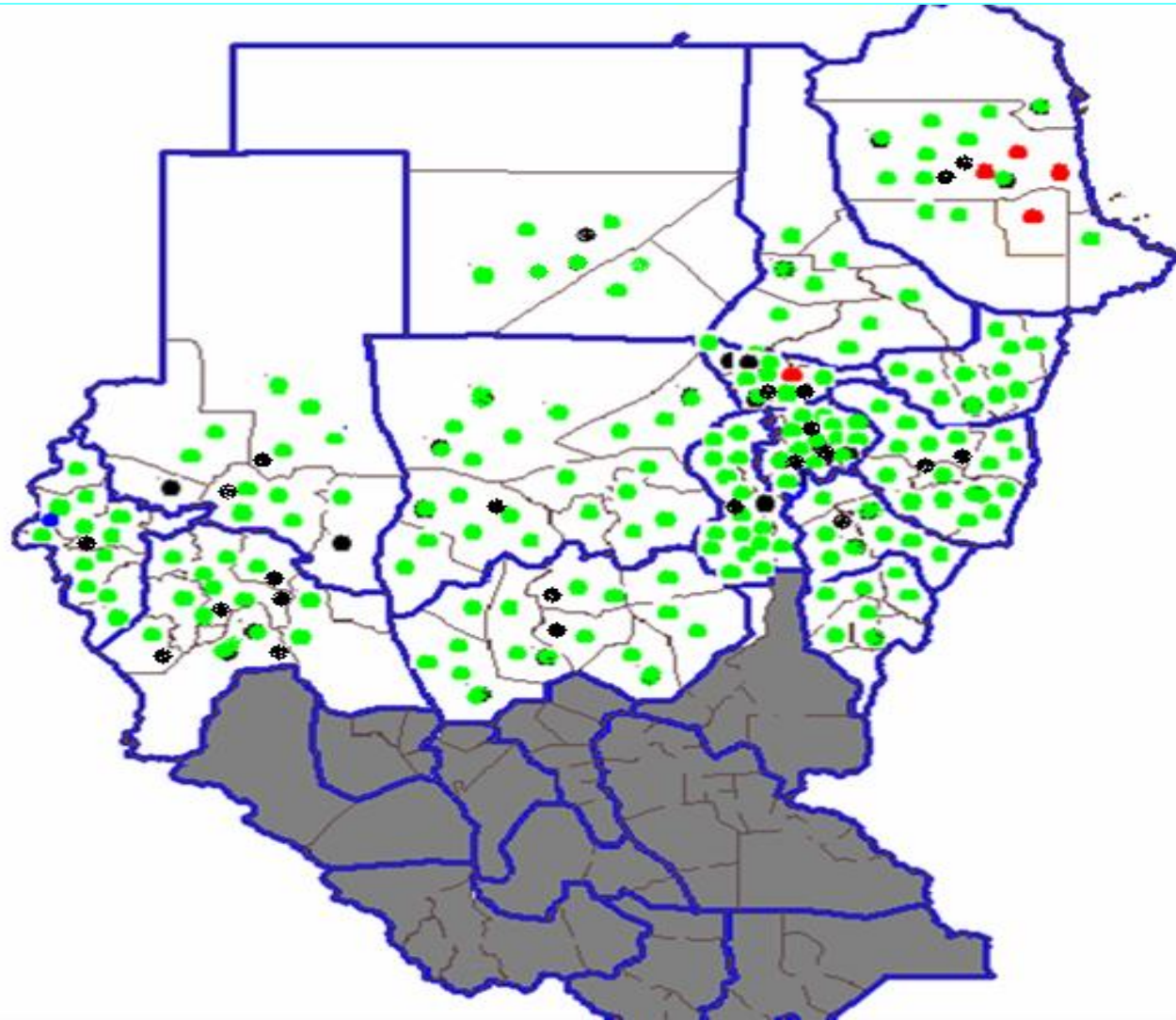
● P3

● P1

● Pending AFP case

● Non-polio AFP case

● Compatible case



P3 : Chadian cases reported from WDA State

* Up to 28/8/2009

Fig 2. Total AFP cases, North Sudan 2009*

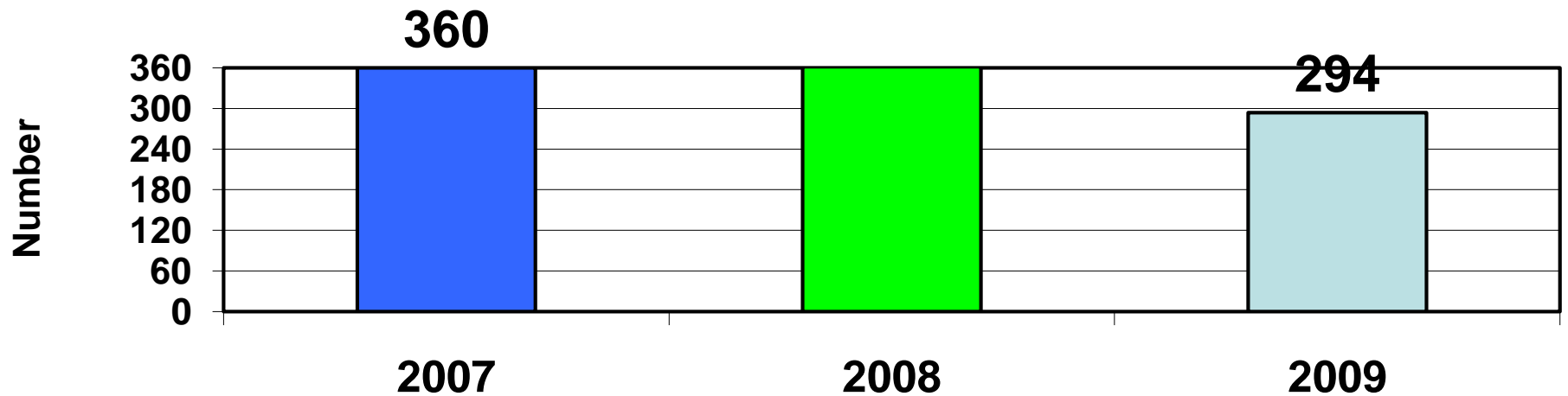
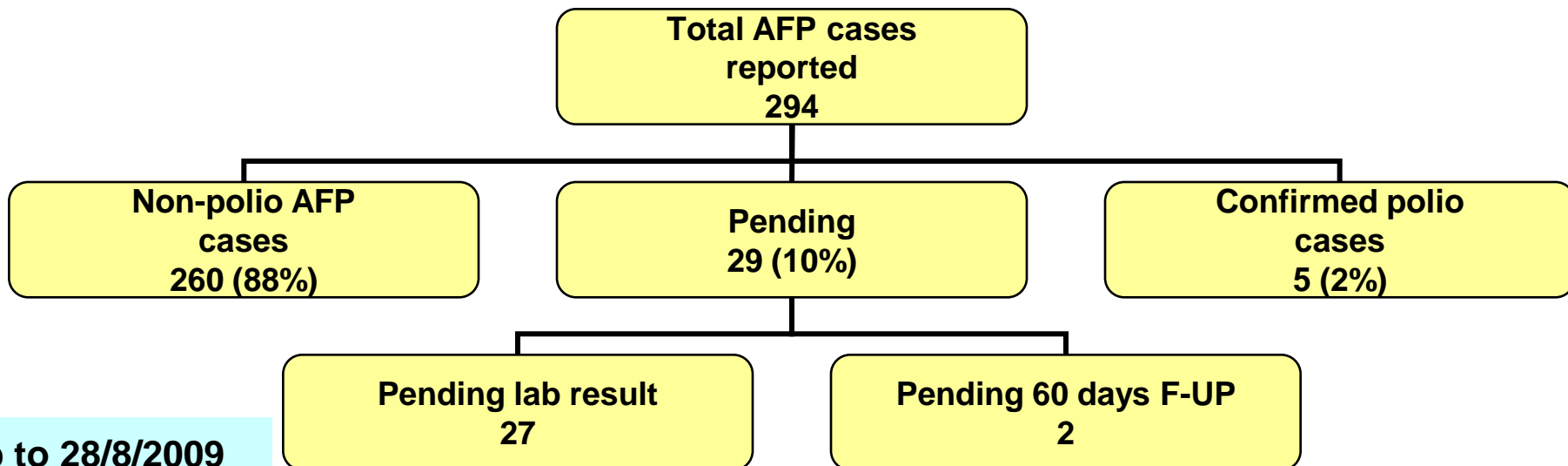
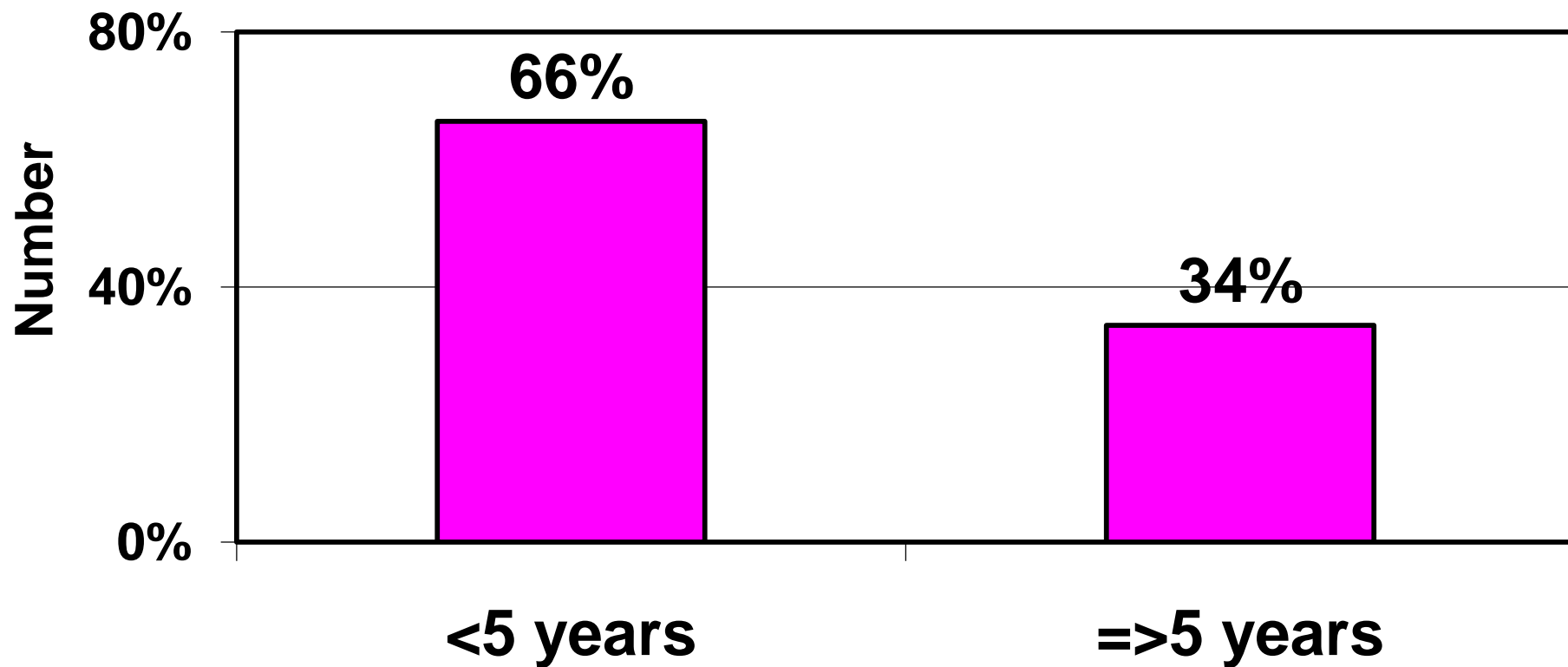


Fig 3. Total AFP cases by classification, North Sudan, 2009*



* Up to 28/8/2009

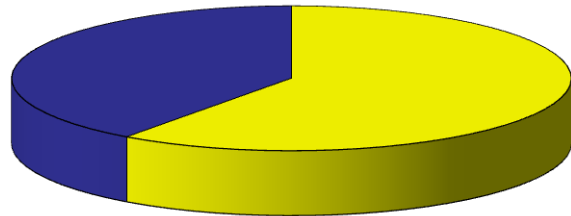
Fig 3. North SUDAN AFP cases by age group, *2009



* Up to 28/8/2009

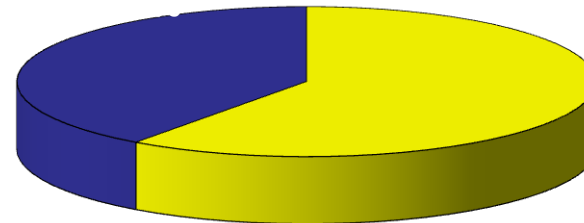
Fig 4. North Sudan AFP cases by Sex, 2008- *2009

55%



2008

62%



2009

Up to 28/8/2009

■ male ■ female

Figure 5. Percent distribution of AFP cases by time of detection, North Sudan, 2008

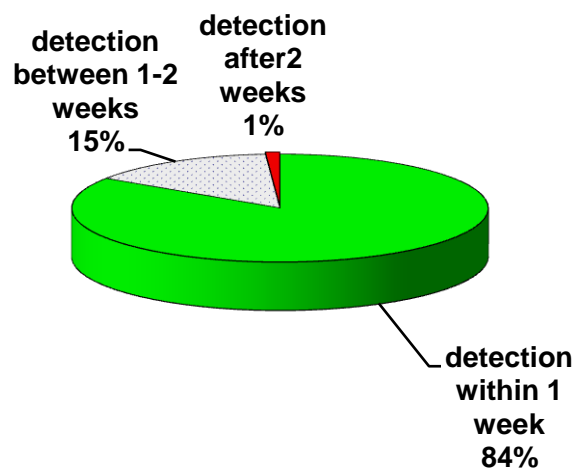
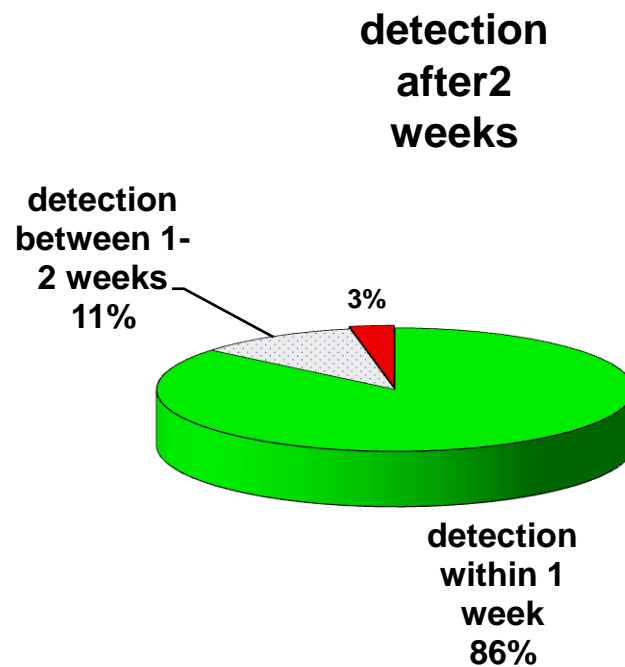


Figure 6. Percent distribution of AFP cases by time of detection, North Sudan, 2009*



* Up to 28/8/2009

Early detection(Within one week) of AFP cases by states 2009- up to week 34

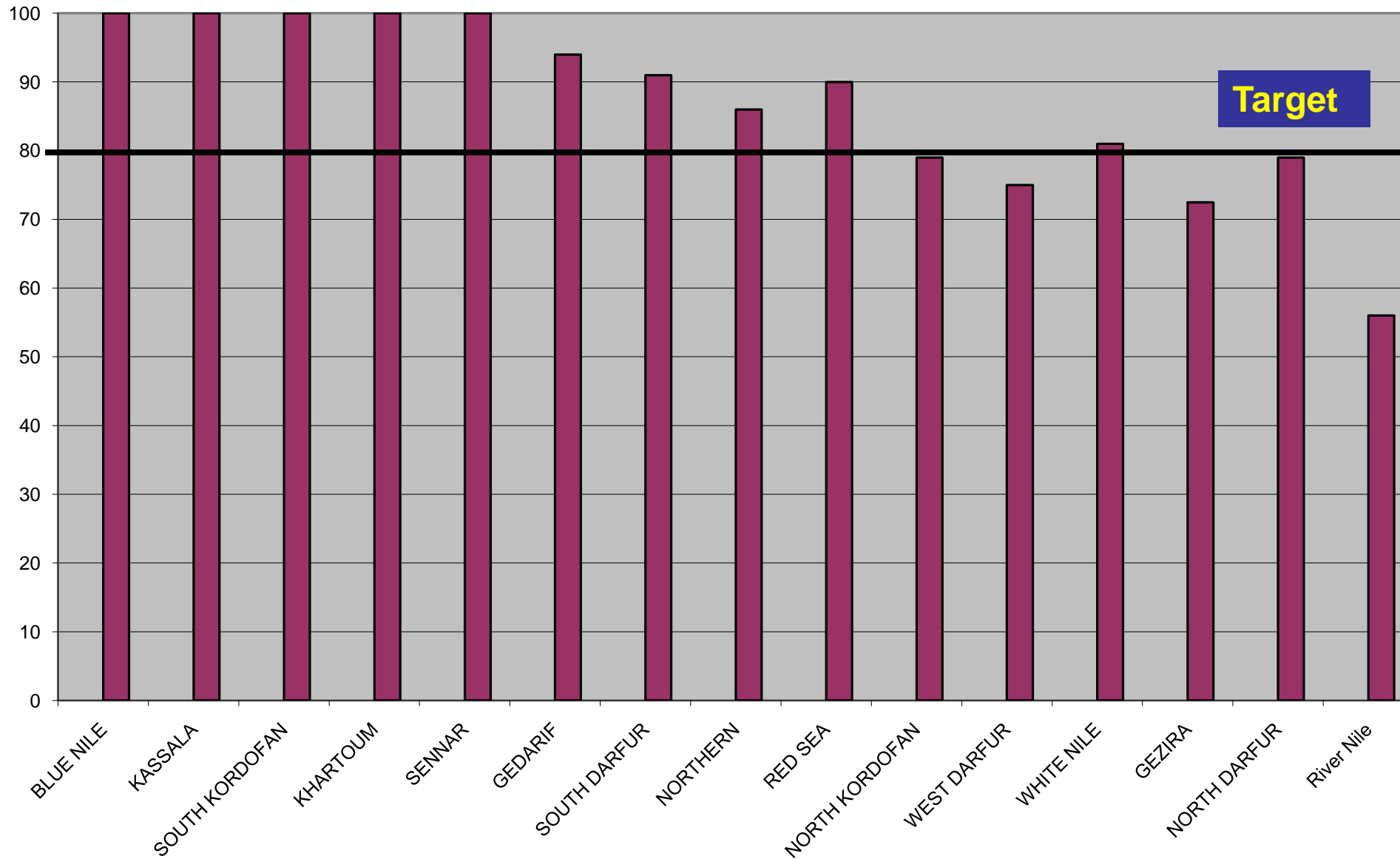
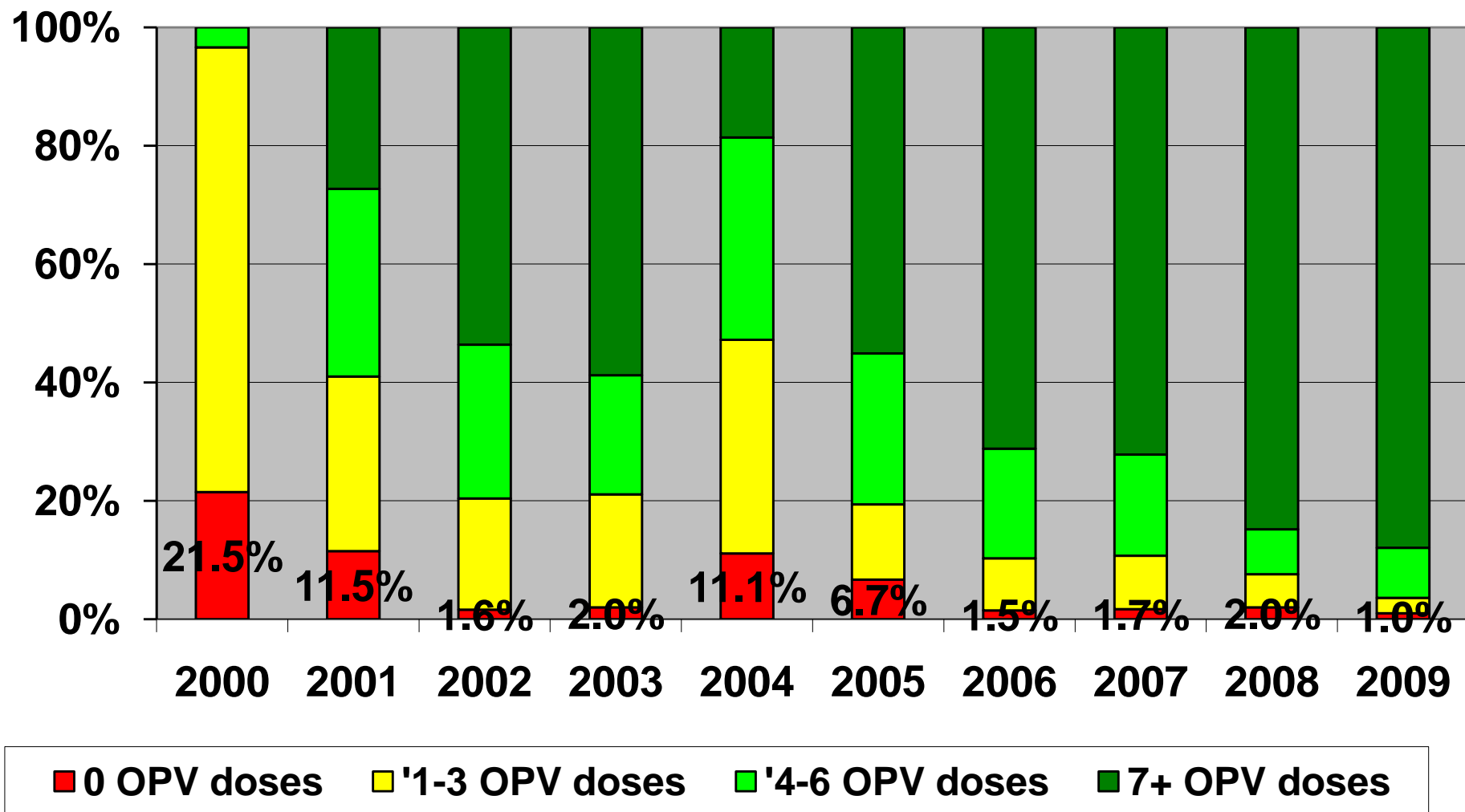


Table 1. Major AFP surveillance performance indicators, Northern States, 2009 up to Wk 34

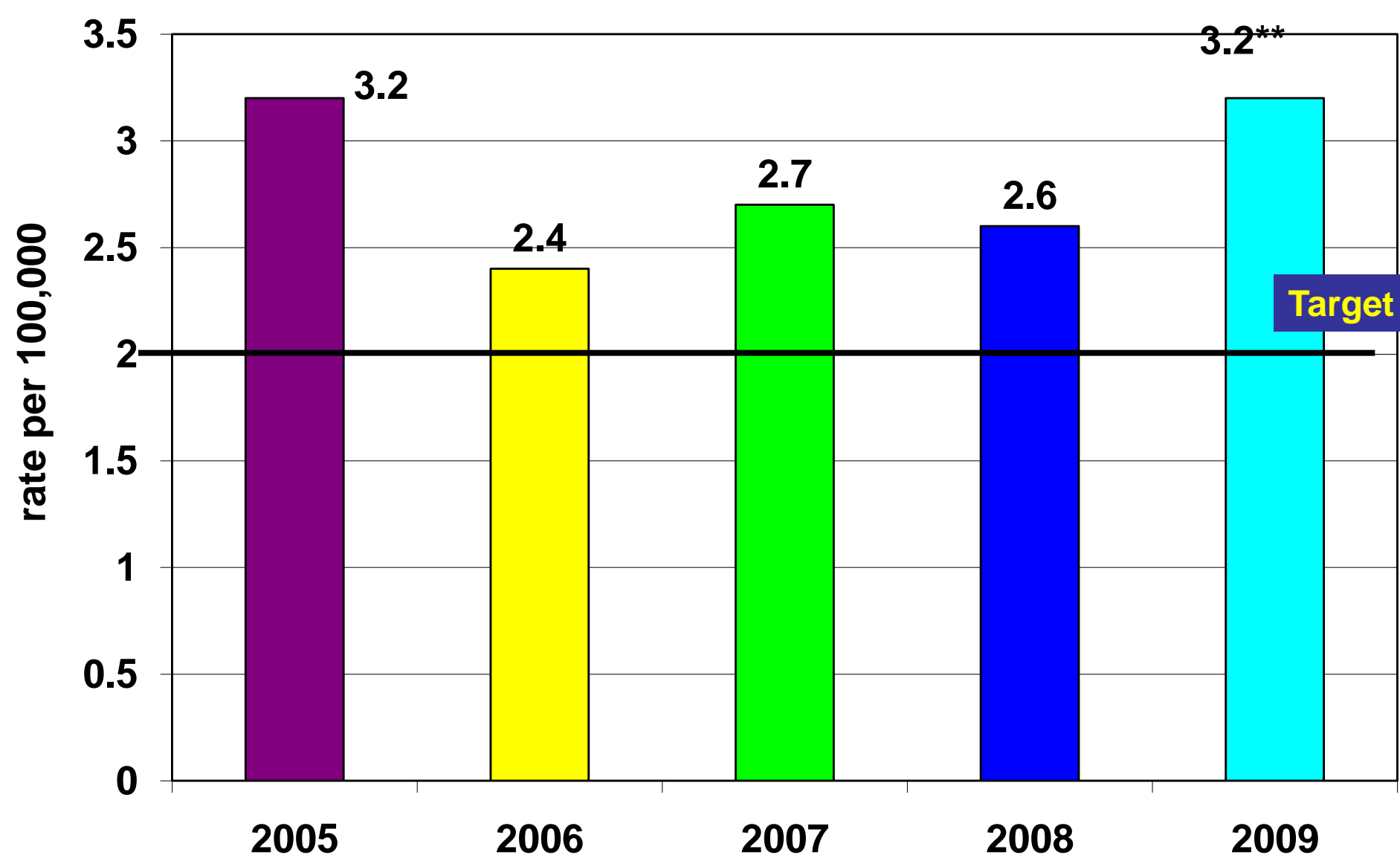
State	U 15 yrs population	Reported AFP cases	Non-polio AFP cases	Pending classification	Polio	Comp cases	% Adequate stools	Annualized AFP rate	% NPEV
B. Nile	345,141	7	7	0			100%	3.1	29
Gedarif	807,992	16	16	0			100%	3.0	19
Gezira	1,818,206	39	37	3			95%	3.4	16
Kasala	795,748	13	11	2			100%	2.5	9
Khartoum	2,234,046	39	33	5	1		97%	2.6	15
N.Darf	810,981	19	15	4			95%	3.6	13
N.Kord	1,224,747	28	27	1			93%	3.5	7
Northern	259,007	8	7	1			100%	4.7	29
Red Sea	328,047	19	13	2	4		95%	7.0	6
River Nile	445,463	9	9	0			100%	3.1	0
Sennar	682,468	12	11	1			100%	2.7	18
S.Darfur	1,633,786	23	18	5			100%	2.2	17
S. Kord	934,811	19	17	2			100%	3.1	12
W.Darfur	905,704	16	15	1			94%	2.7	7
W. Nile	794,818	26	24	2			92%	5.0	24
Total	14,020,965	294	260	29	5		96.6%	3.2	14 %

Fig 7. Percent distribution of AFP cases < 60 months by number of OPV doses, North Sudan 2000-09*



* Up to 28/8/2009

Fig 8. Non-Polio AFP rate per 100,000 children under 15 years of age, North Sudan, 2005 – 2009*

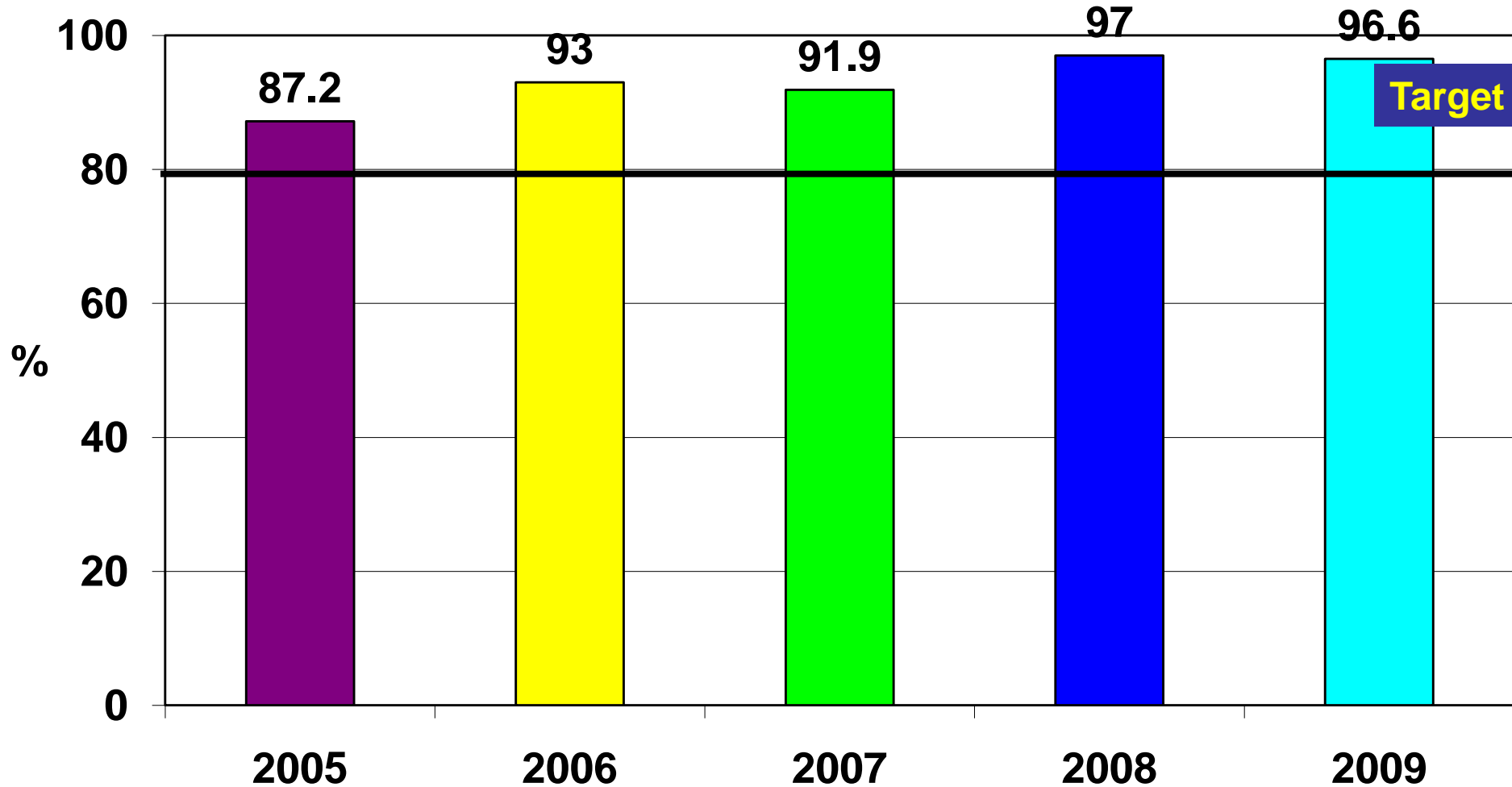


* Up to 28/8/2009

** Annualized

Fig 9. Adequate stool collection rate

North Sudan, 2005 – 2009*



* Up to 28/8/2009

Fig 12. Zero Reports (Comp. & Time.) According To Reporting To C.U for Northern States, 2006-2009

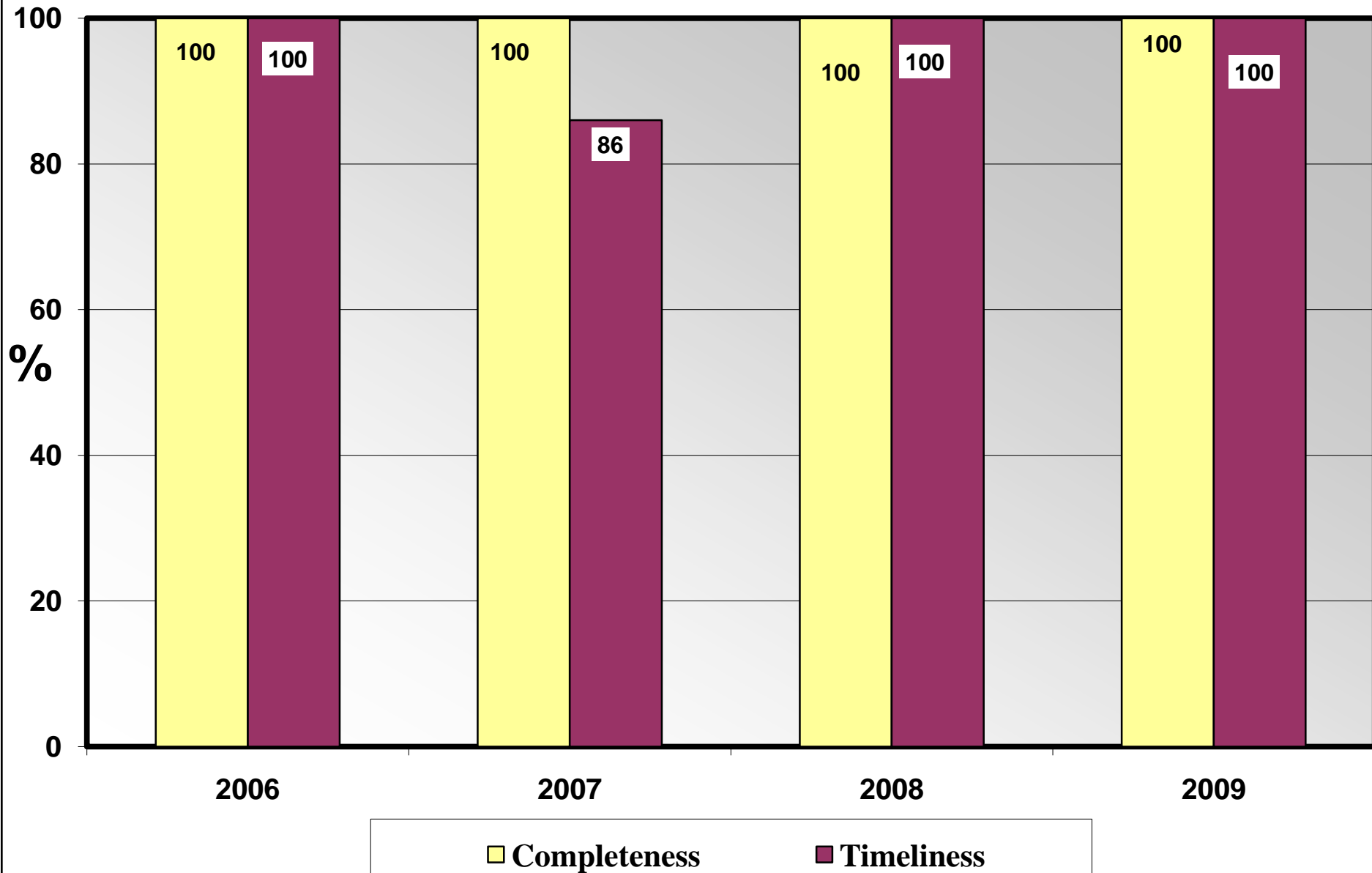


Fig 13. Zero Report (Comp.& Tim.) According To Reporting Sites For Northern States 2009 (up to week 34)

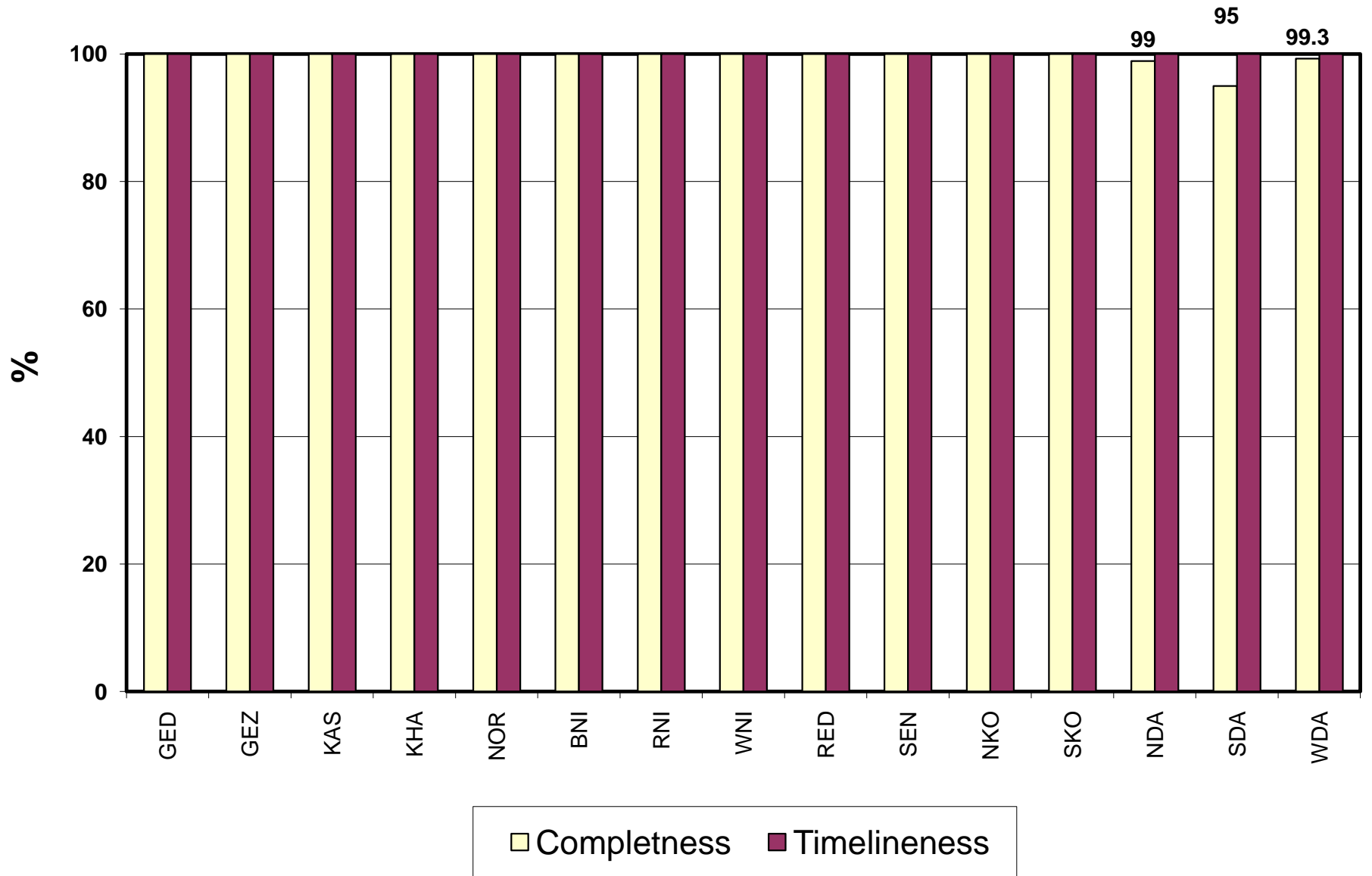
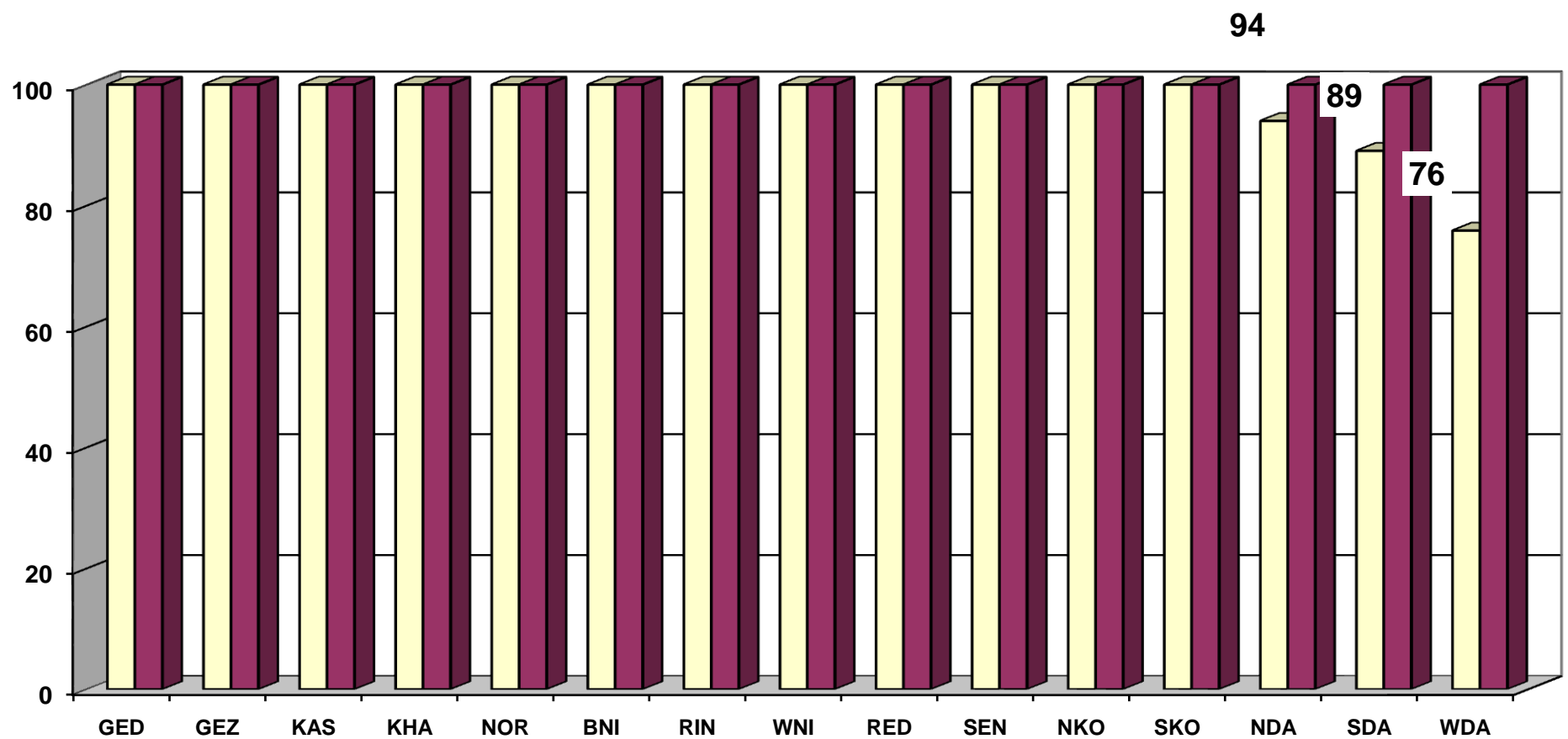
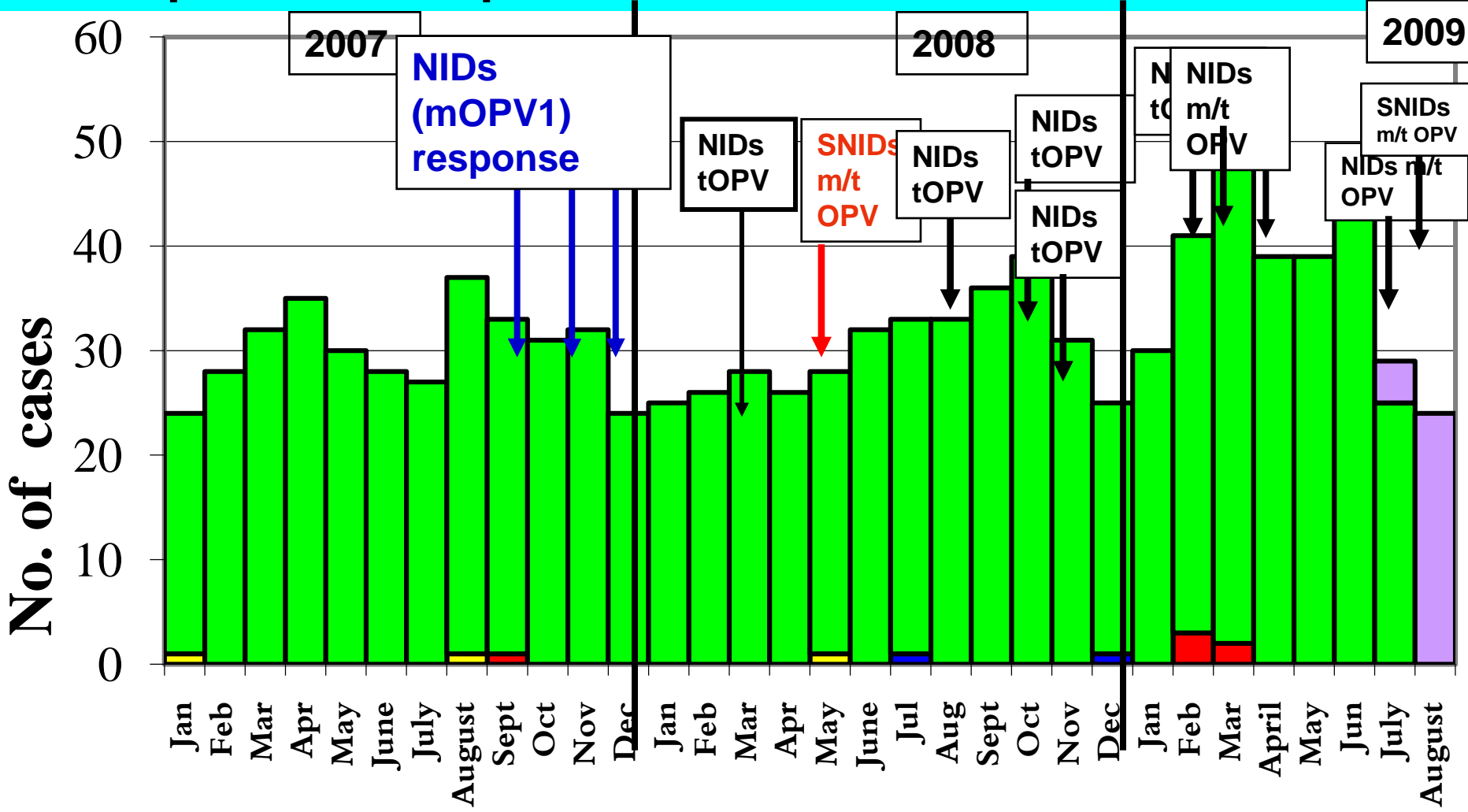


Fig 14. (Comp. & Time) Of Zero Reports According To Reporting Sites For Northern States 2009 (week 34)



□ Completeness ■ Timeliness

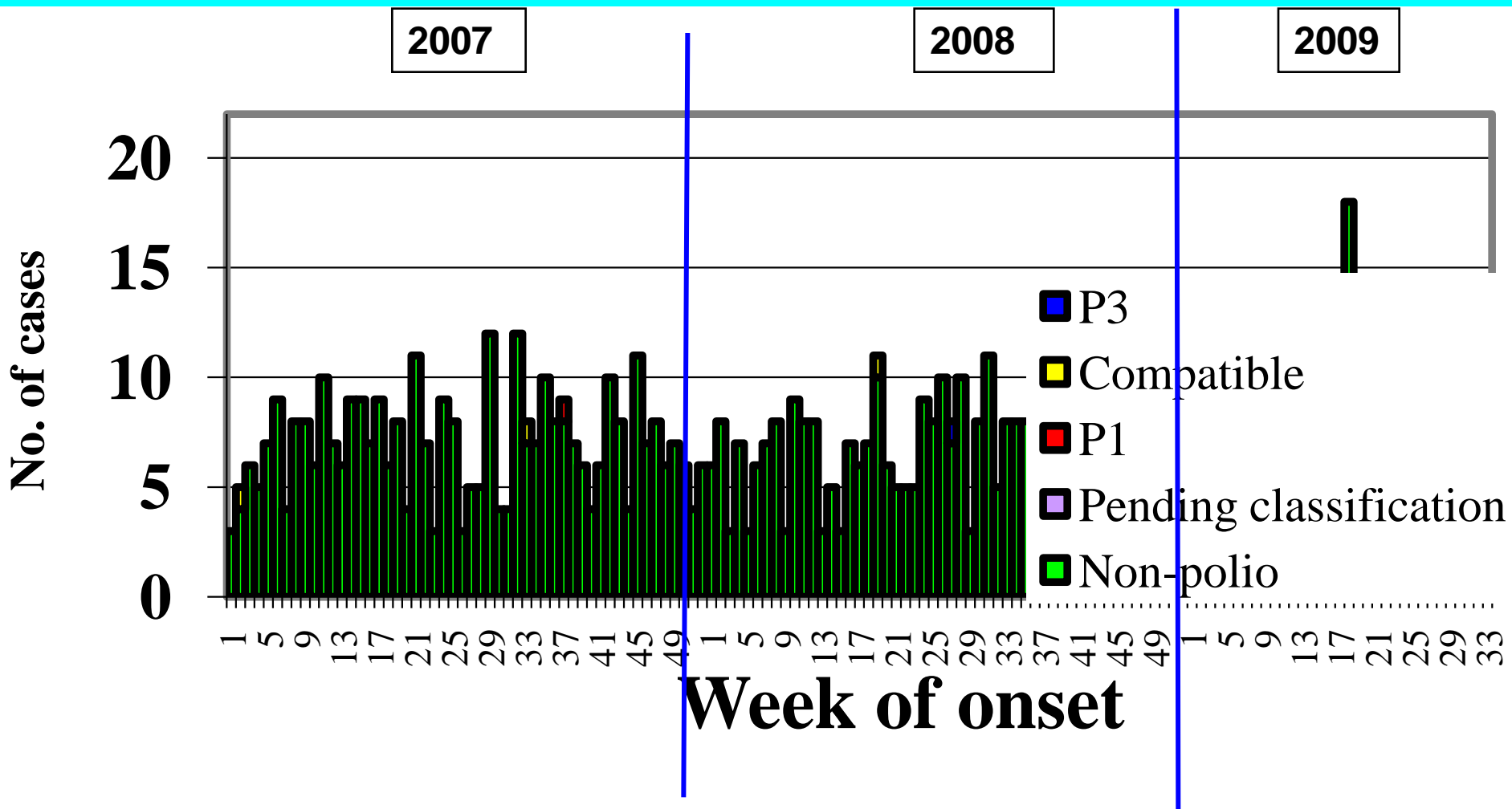
Fig 10. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation in North SUDAN 2007-09*



* Up to 28/8/2009

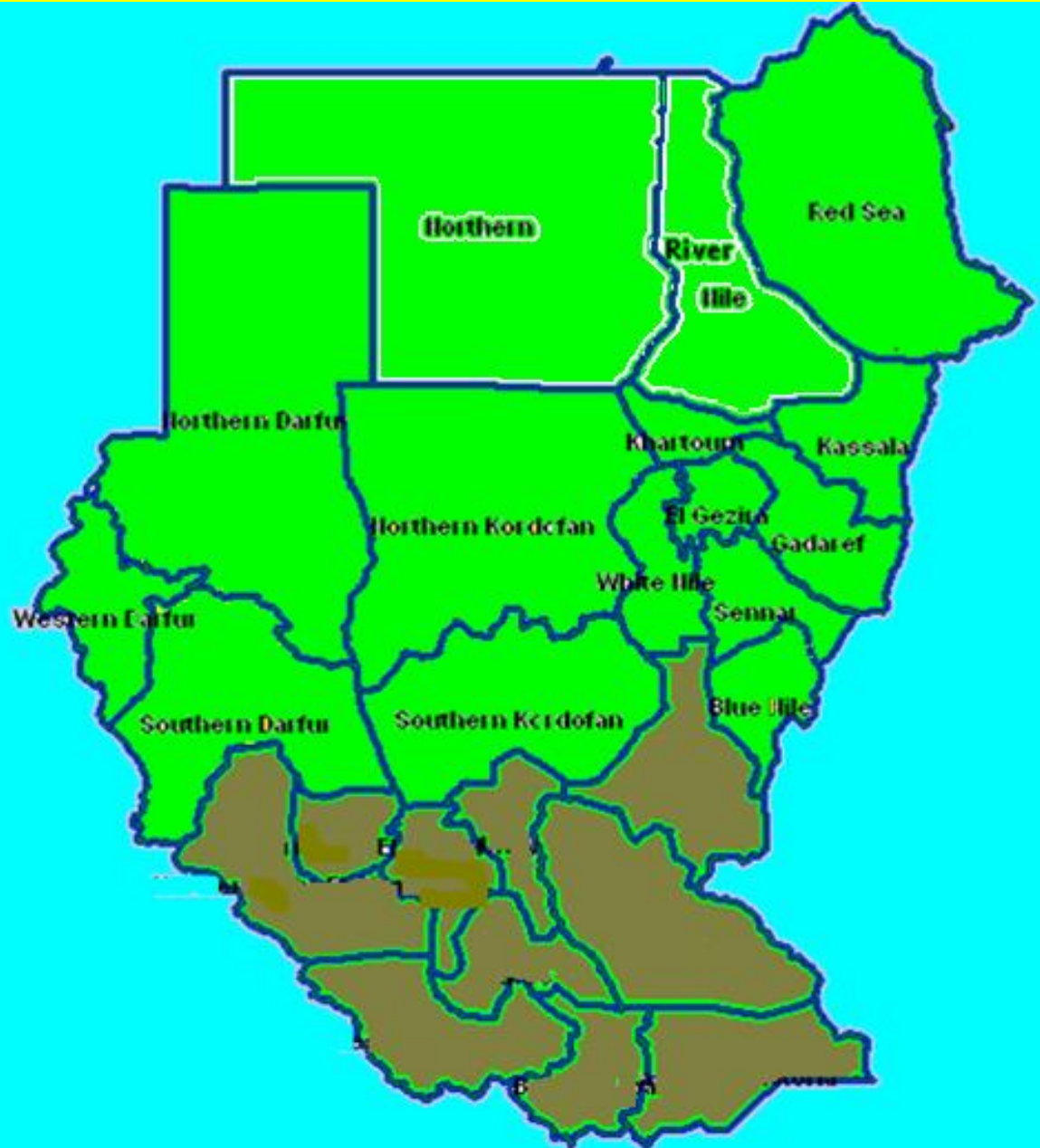
■ P1
 ■ Compatible
 ■ Non-polio
 ■ Pending classification

Fig 11. Distribution of AFP cases by classification and week of onset, North Sudan 2007 – 2009*



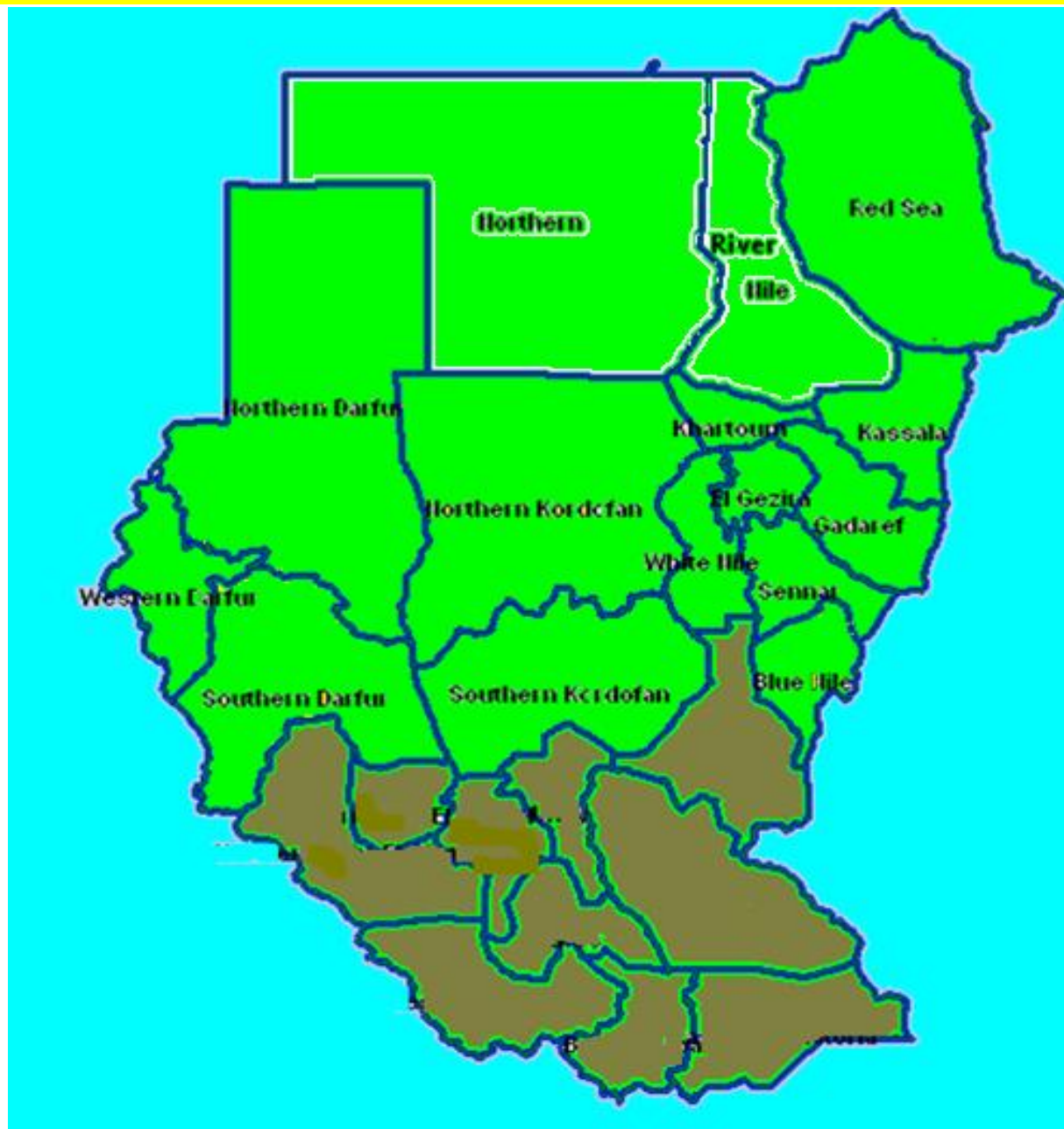
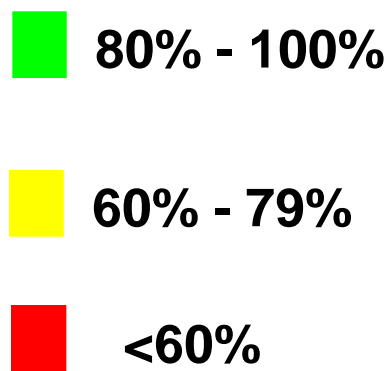
* Up to 28/8/2009

Map 3. Annualized non-polio AFP rate per 100,000 by state, 2009*



Up to 28/8/2009

Map 4. Percent distribution of AFP cases having adequate stool samples by state, 2009



Up to 28/8/2009

**Table 3. National polio lab performance indicators
North Sudan, 2006-2009***

Indicator	2006	2007	2008*	2009
Total AFP cases tested in NPL	305	355	361	292
Wild cases	0	1	2	5
Cases with non-polio enterovirus	19%	15%	14%	38(14%)
Sabin like viruses No. & (%) from AFP cases	10 (3.3%)	10 (5%)	(5)2%	6(2.2%)
Median days from the time of samples received in the lab to primary culture report or L20B result	18 days	14 days	14 days	10 days
Number of AFP contacts tested in the NPL	121	326	386	308
Contacts with non-polio enterovirus	12.4%	14%	8%	19(6.9%)
Sabin like viruses No. & (%) from contacts	6(5%)	1(2%)	7(1.9%)	2(0.7%)
Number of contacts with wild polio B1	0	0	0	4

**Table 4. Polio lab performance
North Sudan up to week 34, 2008 and 2009**

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	Arrival within 3 days of being sent
Up to week 34 2008	228	0	0	198	30	13.2 %	91.7%	74%	98%
Up to week 34 2009	292	27	0	227	38	14%	90%	81.8%	99.6%

No. of stool samples of AFP cases received in the lab by days of the week

01/01/2009 to 24/04/2009

	No. of cases received	No, and % of cases received >3 days of collection
SUN	30	18(60%)
MON	30	10(33.3%)
TUE	26	4(15%)
WEN	16	3(18%)
THU	21	1(2.4%)
FRI	0	0
SAT	1	0%
TOTAL	124	36(29%)

**No. of stool samples of AFP cases received in the lab by days of
the week
25/04/2009 to 21/08/2009**

	No. of cases received	No, and % of cases received >3 days of collection
SUN	29	3(10.7%)
MON	33	5(15.1%)
TUE	18	4(22.2%)
WED	27	1(3.7%)
THU	42	1(2.3%)
FRI	2	0
SAT	21	3(14.2%)
TOTAL	173	17(9.8%)

Thanks