

**Federal Ministry of Health
MCH-EPI
Information and Research**

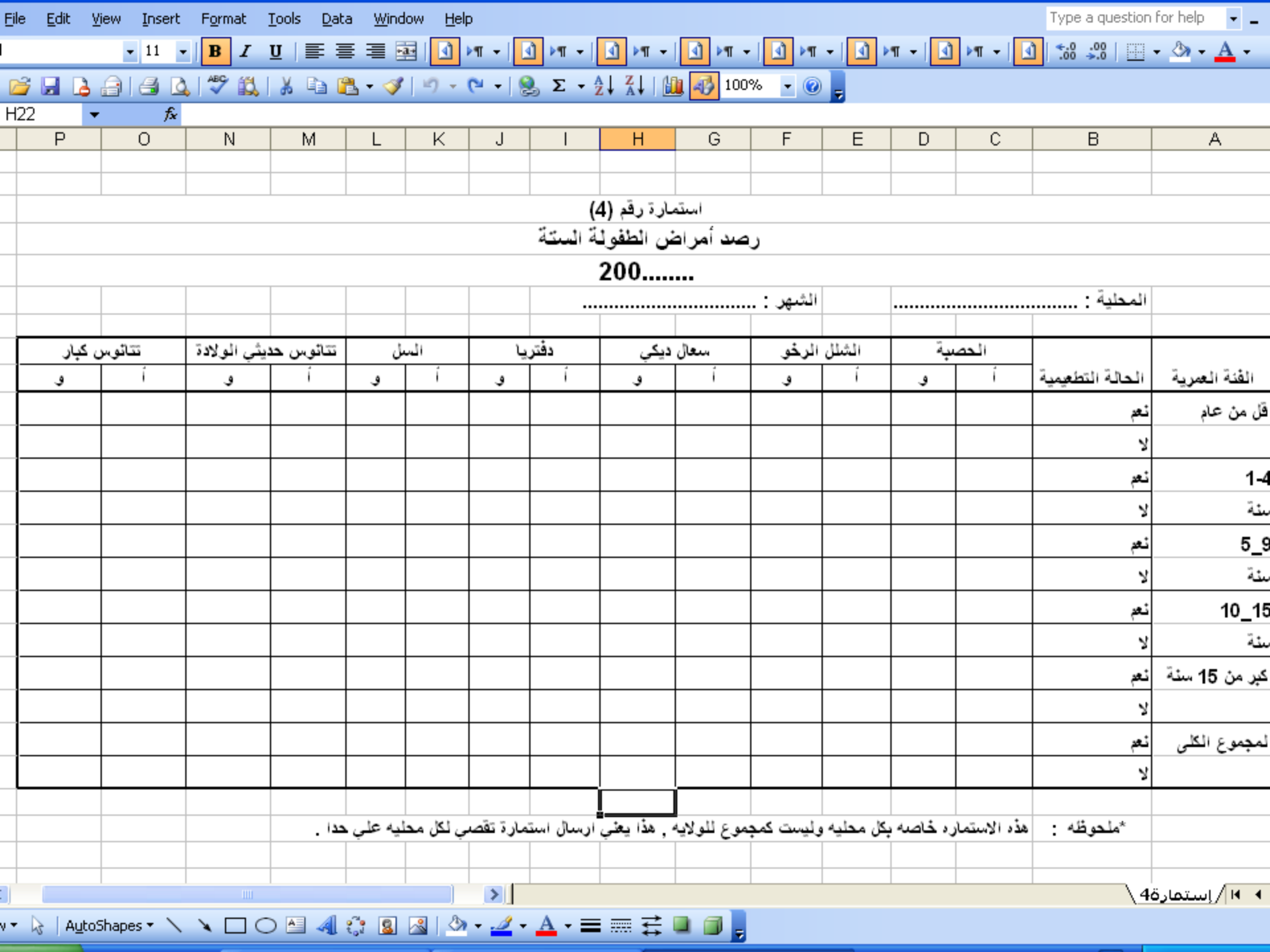
*EPI Diseases Surveillance report
NT, Pertussis and Diphtheria
January, 2009*

Outline...

- 👍 Introduction
- 👍 Flow of data
- 👍 Data analysis Jan, 2009
- 👍 Analysis of reported NT cases in Gezira state
- 👍 Problems
- 👍 Way Forward

Introduction

- 👍 Surveillance of the mentioned diseases is passive, with Monthly report.
- 👍 Data collected are: Locality, age group, Vaccination status and out come.



**(4) استمارة رقم
رصد أمراض الطفولة الستة
200.....**

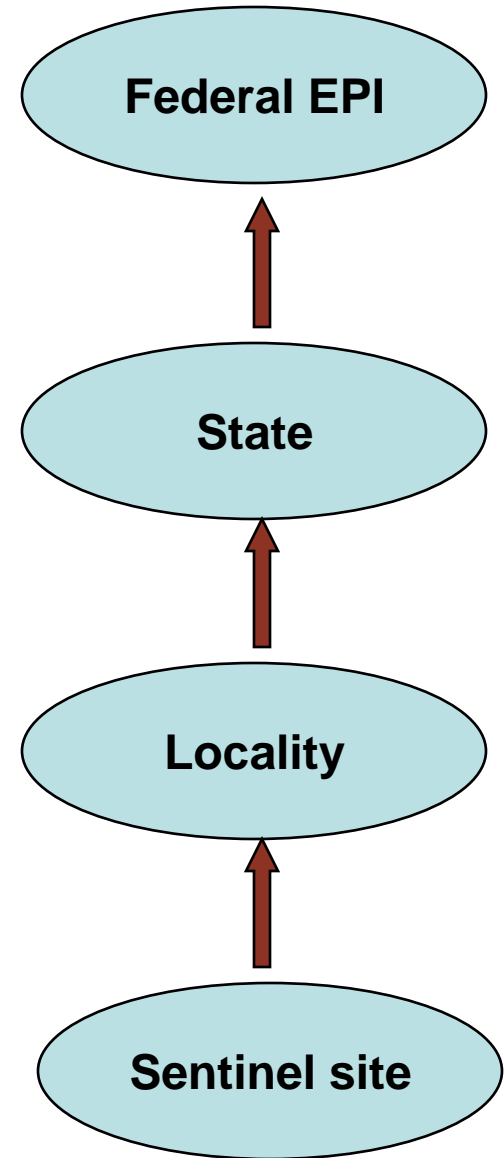
المحلية : الشهر :

الفئة العمرية	الحالة التطعيمية	الحصبة		الشلل الرخو		سعال ديكي		دفتريا		السل		تتائوس حديشي الولادة		تتائوس كبار	
		و	أ	و	أ	و	أ	و	أ	و	أ	و	أ	و	أ
قل من عام	نعم														
	لا														
1-4 سنة	نعم														
	لا														
5_9 سنة	نعم														
	لا														
10_15 سنة	نعم														
	لا														
كبر من 15 سنة	نعم														
	لا														
لمجموع الكلي	نعم														
	لا														

*ملحوظة : هذه الاستمارة خاصة بكل محليه وليست كمجموع للولايه , هذا يعني ارسال استمارة تقصي لكل محليه على حدا .

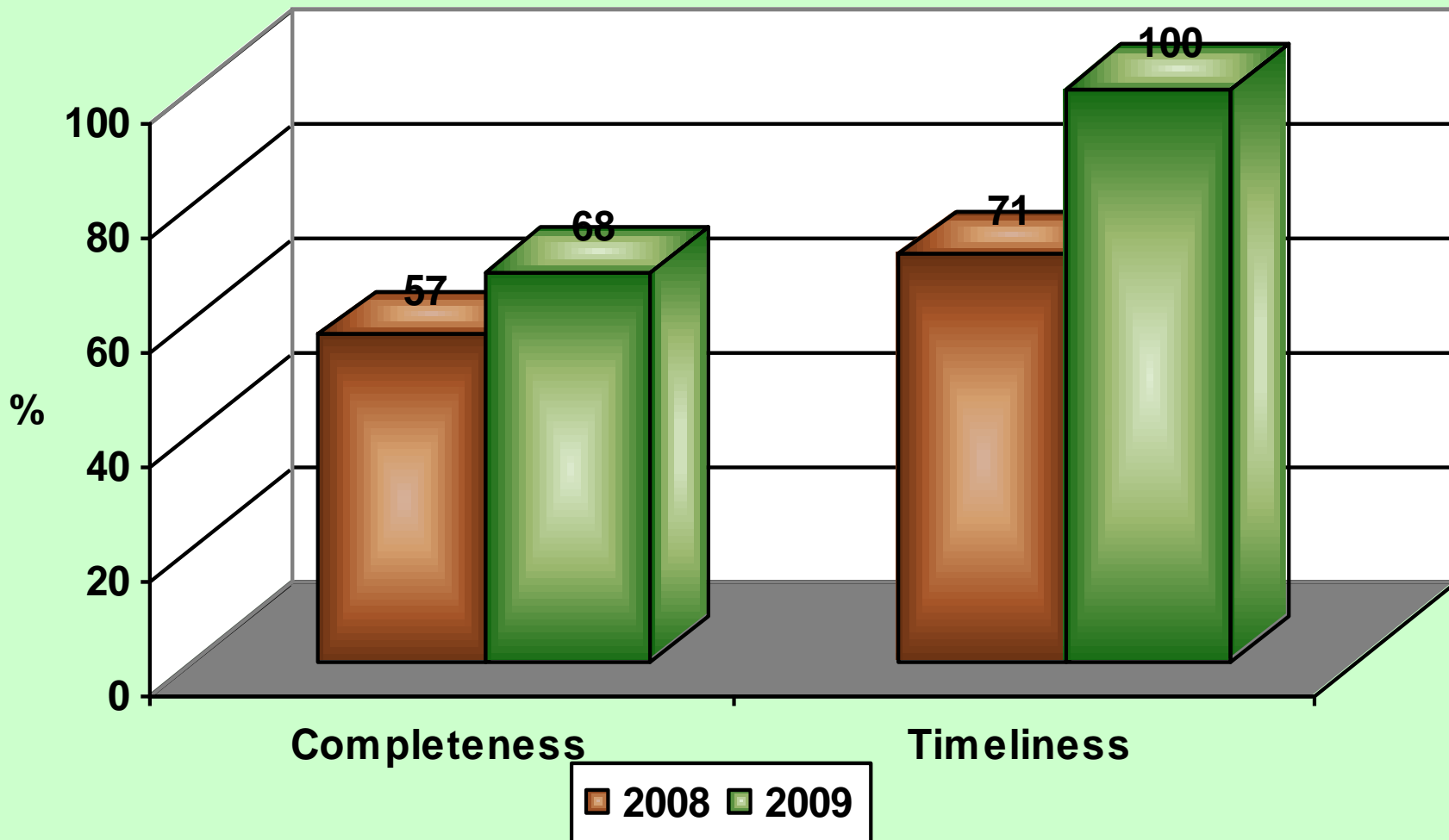
Flow of data...

- ☹ Reports should be received at federal EPI before or in the 10th of next month.
- ☹ Sentinel Sites are different, in some states it is epidemiology site, in some it is statistics site and in others it is EPI vaccination post.

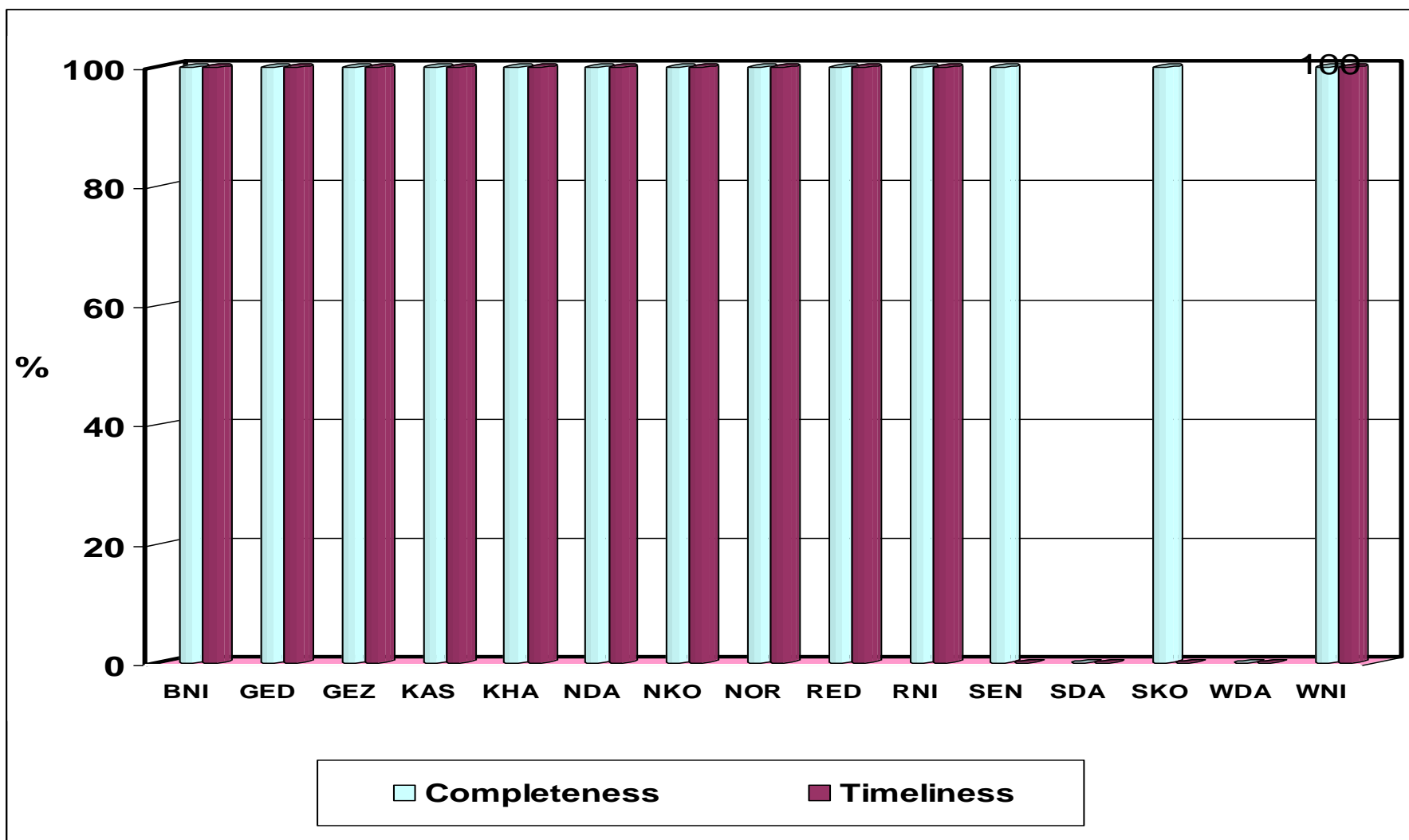


Jan, 2009 Report

Completeness and Timeliness of reports North Sudan Jan, 2008-2009.



Completeness and Timeliness of localities reports by states Jan, 2009.



Analysis of reported cases
Jan, 2009

*Table (1): Reported cases and deaths of EPI diseases
Jan, 2008-2009*

Disease	Cases		Deaths		CFR	
	2008	2009	2008	2009	2008	2009
Diphtheria	0	0	0	0	0	0
Pertussis	0	0	0	0	0	0
NT	11	10	4	2	36.4%	20%

*Table (2): Reported cases and deaths of EPI diseases Jan, 2009
Comparison between EPI and Epidemiology*

Disease	EPI Surveillance		Epidemiology department	
	Cases	Deaths	Cases	Deaths
Pertussis	0	0	10	0
Diphtheria	0	0	0	0
NT	10	2	10	3

Neonatal Tetanus

Table (2): NT reported cases and deaths from weekly and monthly reports*

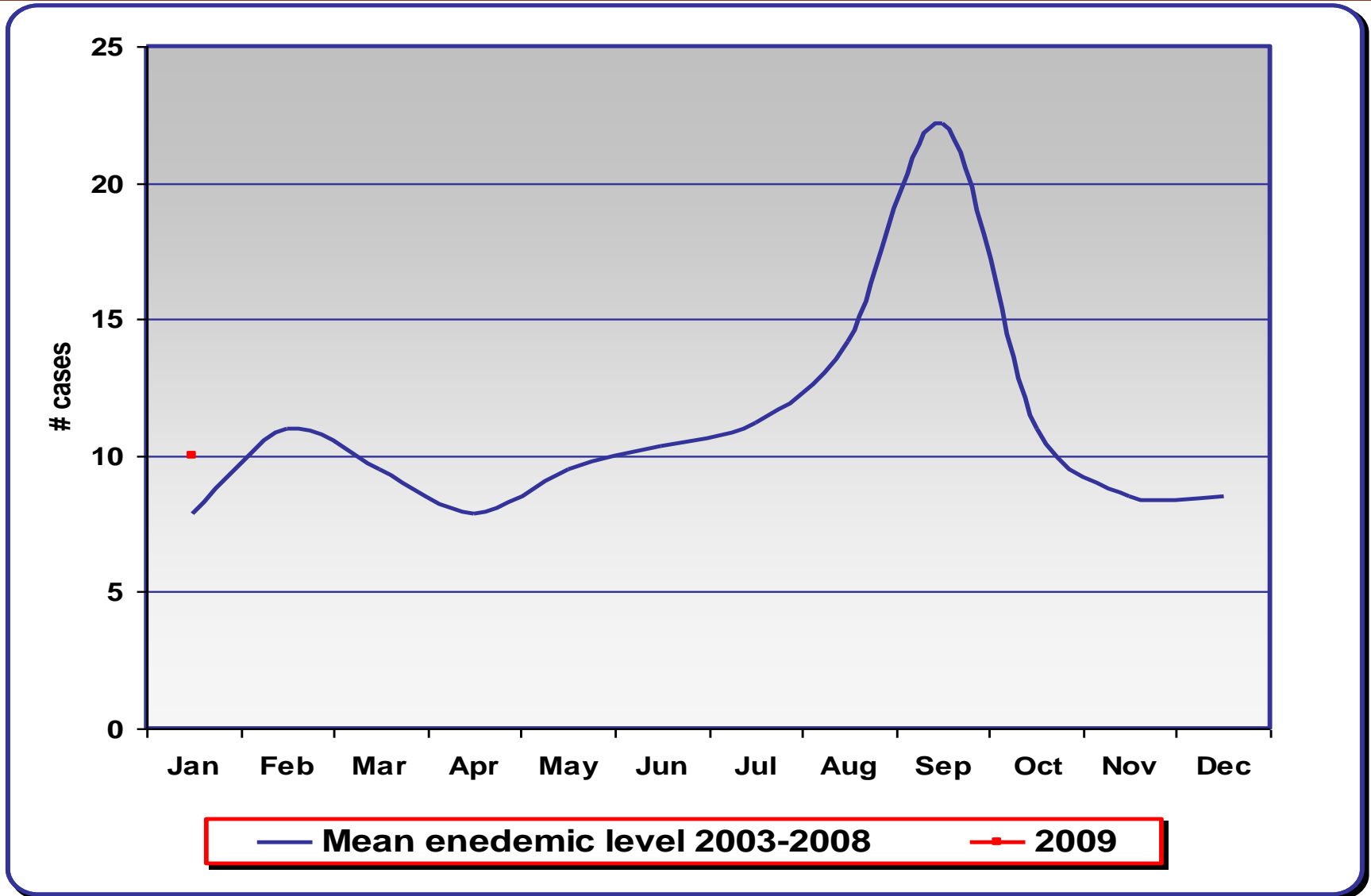
Disease	AFP Weekly reports	Monthly reports	Epidemiology Weekly reports
cases	21	10	10
Deaths	2	2	3

Up to week 4, 2009

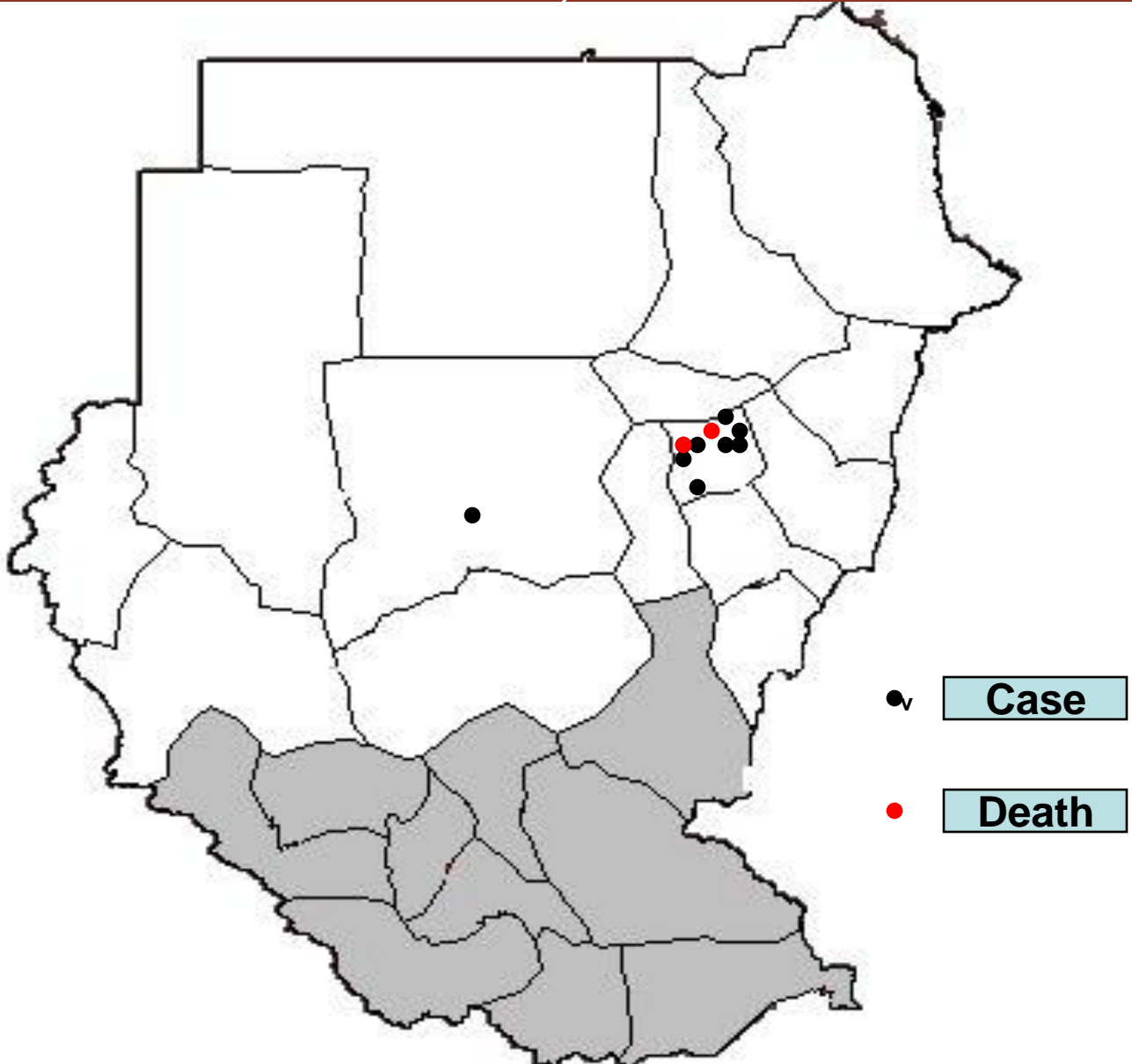
*Table (3): Monthly and weekly reported NT cases by state
Jan, 2009*

States	Monthly cases	Monthly Death	Weekly cases	Weekly Deaths
Blue Nile	0	0	0	0
GEDARIF	0	0	0	0
GEZIRA	9	2	15	2
KASSALA	0	0	0	0
KHARTOUM	0	0	2	0
N. Darfur	0	0	0	0
N. Kordofan	1	0	1	0
NORTHERN	0	0	0	0
RED SEA	0	0	0	0
REVER NILE	0	0	0	0
SENNAR	Not received yet	Not received yet	0	0
SOUTH DAR.	Not received yet	Not received yet	0	0
SOUTHKOR.	Not received yet	Not received yet	0	0
W.DARFUR	Not received yet	Not received yet	2	0
White Nile	0	0	1	0
Total	10	2	21	2

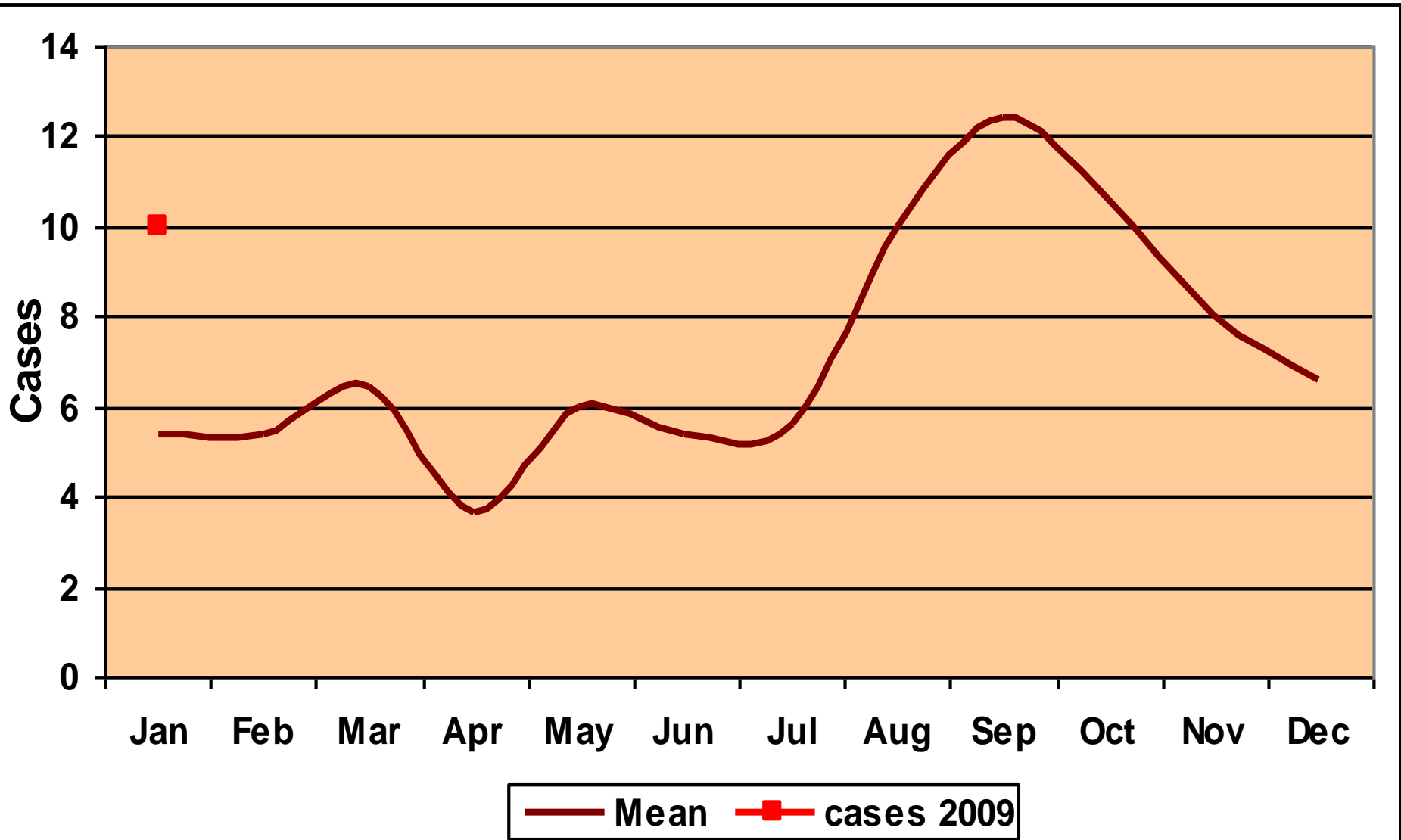
Fig.(3) Reported NT cases,2008 compared to the mean endemic curve of North Sudan



Map.(1) Distribution of reported NT cases and deaths by states Jan, 2009

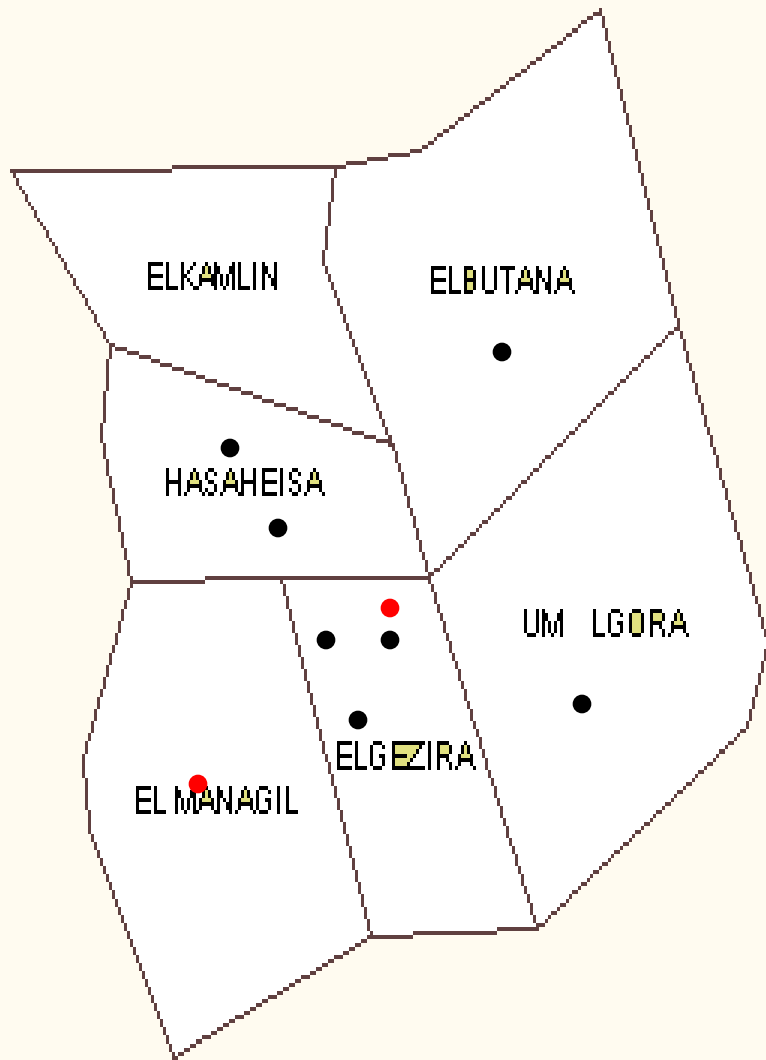


Reported NT cases, 2009 compared to the mean endemic curve of Gezira state



Map (2) Distribution of Gezira reported NT cases and deaths by localities Jan, 2009

Cases = 9
Deaths = 2

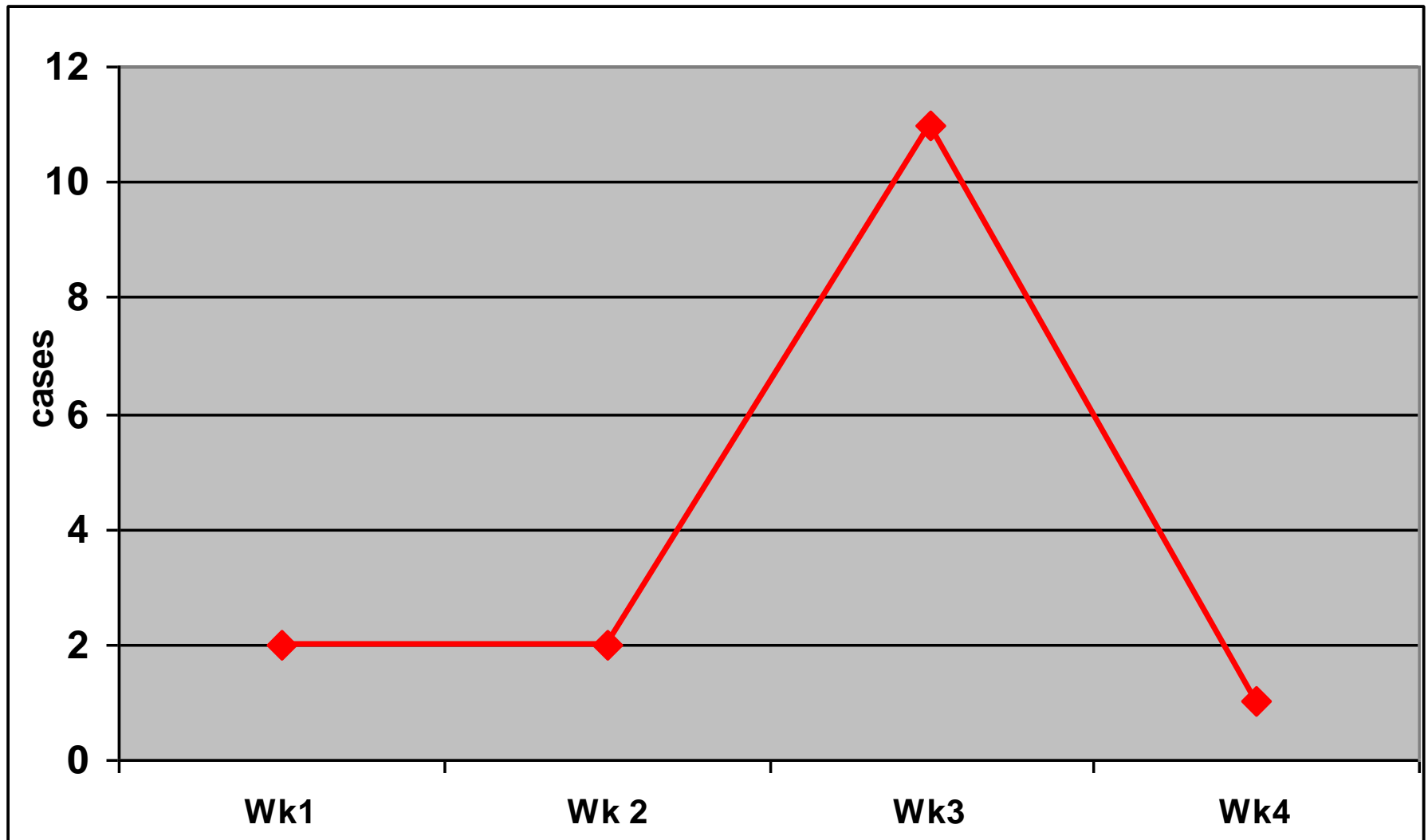


● Case
● Death

Table(4) CFR by locality for reported NT cases ,Jan, 2009

Locality	Life Births	cases	Deaths	CFR	Incidence by 1000 LB
Madani	18,452	1	1	%100	0.05
South Gezira	28,517	3	0	0	0.11
East Gezira	22,478	1	0	0	0.04
Alhasahesa	30,194	2	0	0	0.07
Um Elqura	10,065	1	0	0	0.10
Almanagil	41,266	1	1	%100	0.02
Um Rawaba	27,475	1	0	0	0.04
Total	178,447	10	2	20	0.06

*Fig.(5) Distribution of Reported NT cases by weeks, Gezira state , 2009 (n=15)**



* Source is AFP weekly report

Fig.(9) Reported Diphtheria cases,2009 compared to the mean endemic curve of North Sudan

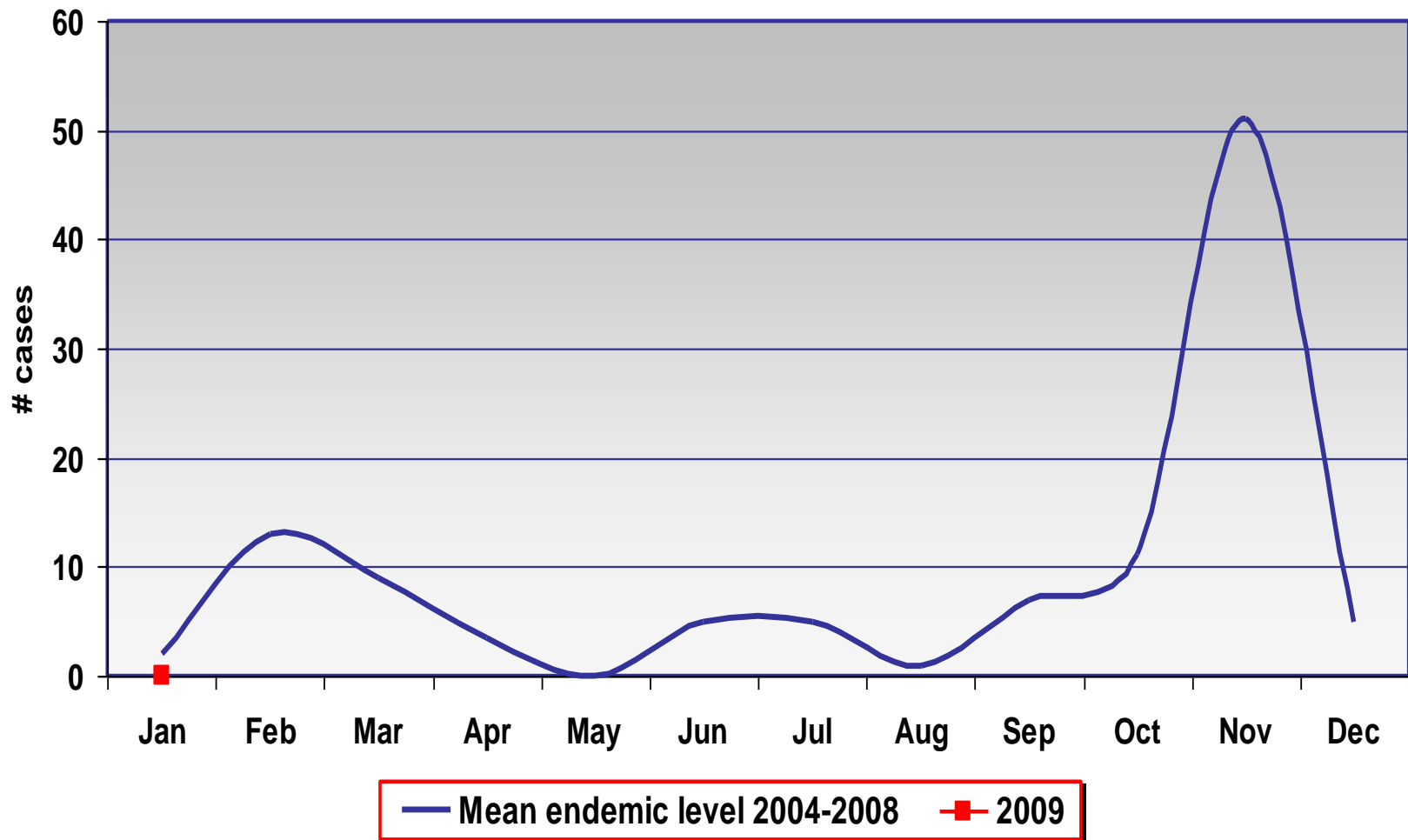
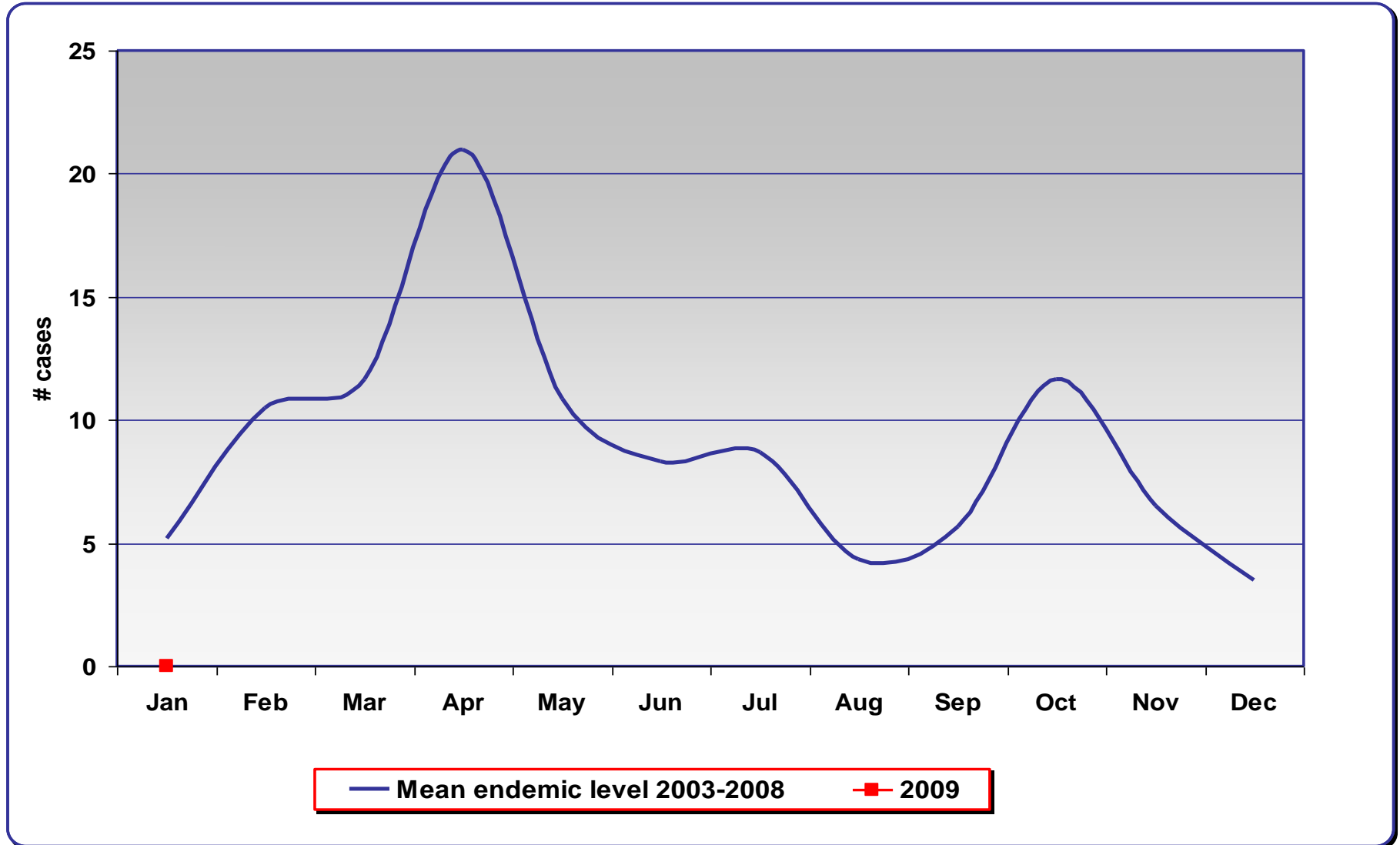


Fig.(9) Reported Pertussis cases,2009 compared to the mean endemic curve of North Sudan



Problems...

- 👍 No written field guide lines.
- 👍 Delayed reporting to Federal EPI.
- 👍 Different data sources at locality level.

Steps forward...

👉 Finalization and distribution of field guidelines.

Thanks so much