

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

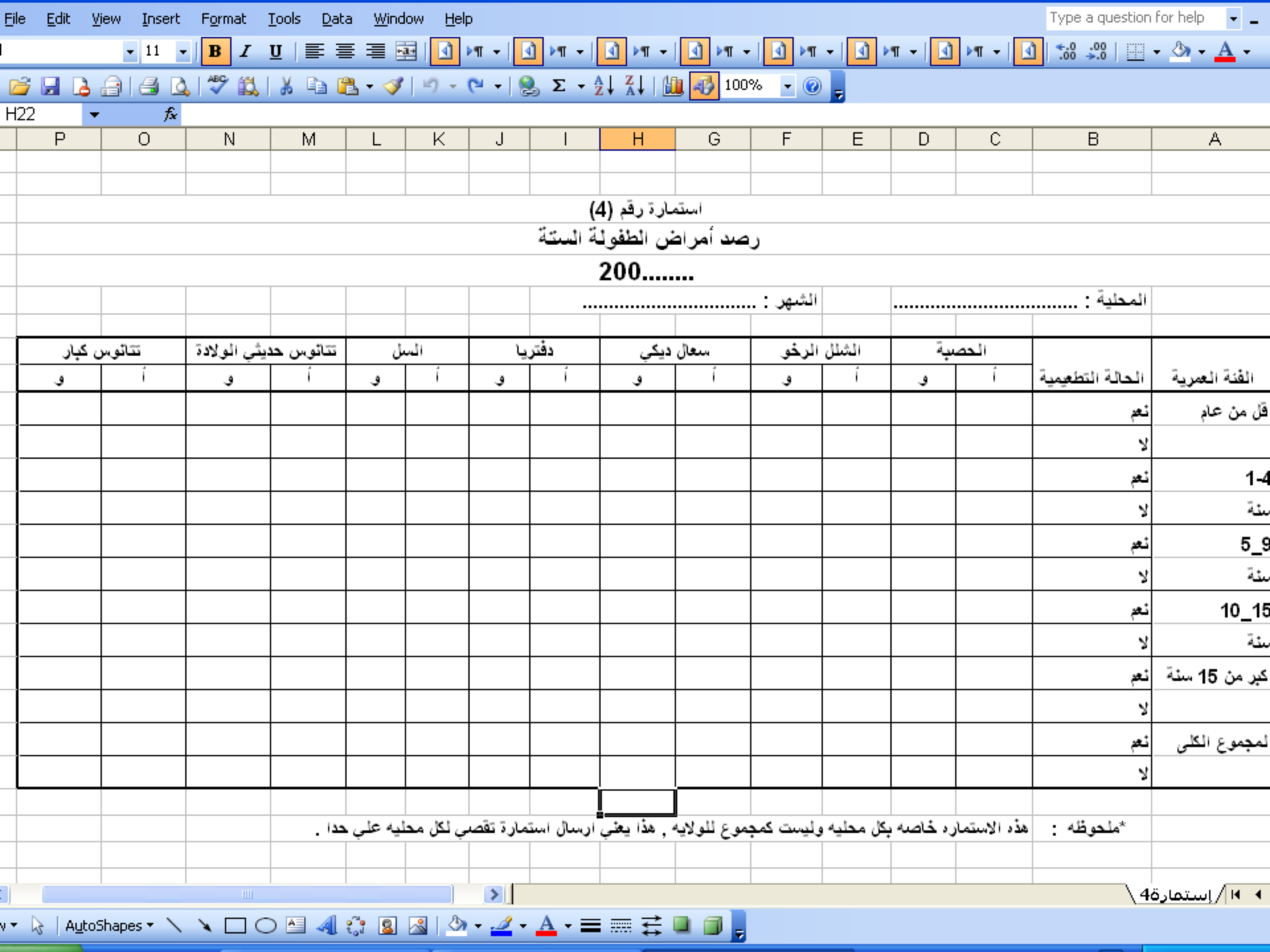
*EPI Diseases Surveillance report  
NT, Pertussis and Diphtheria  
January, 2009*

# *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  
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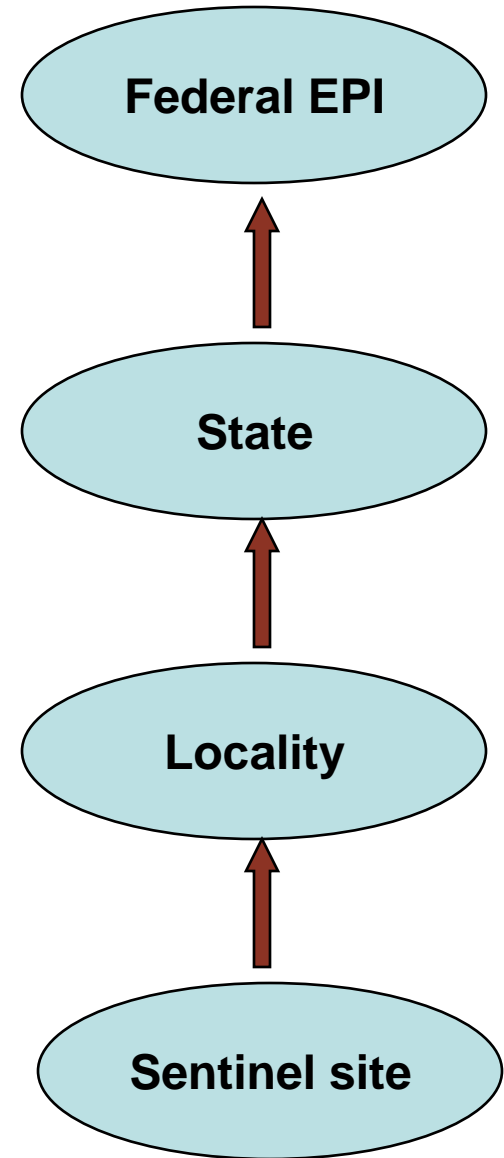
المحلية : ..... الشهر : .....

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 .

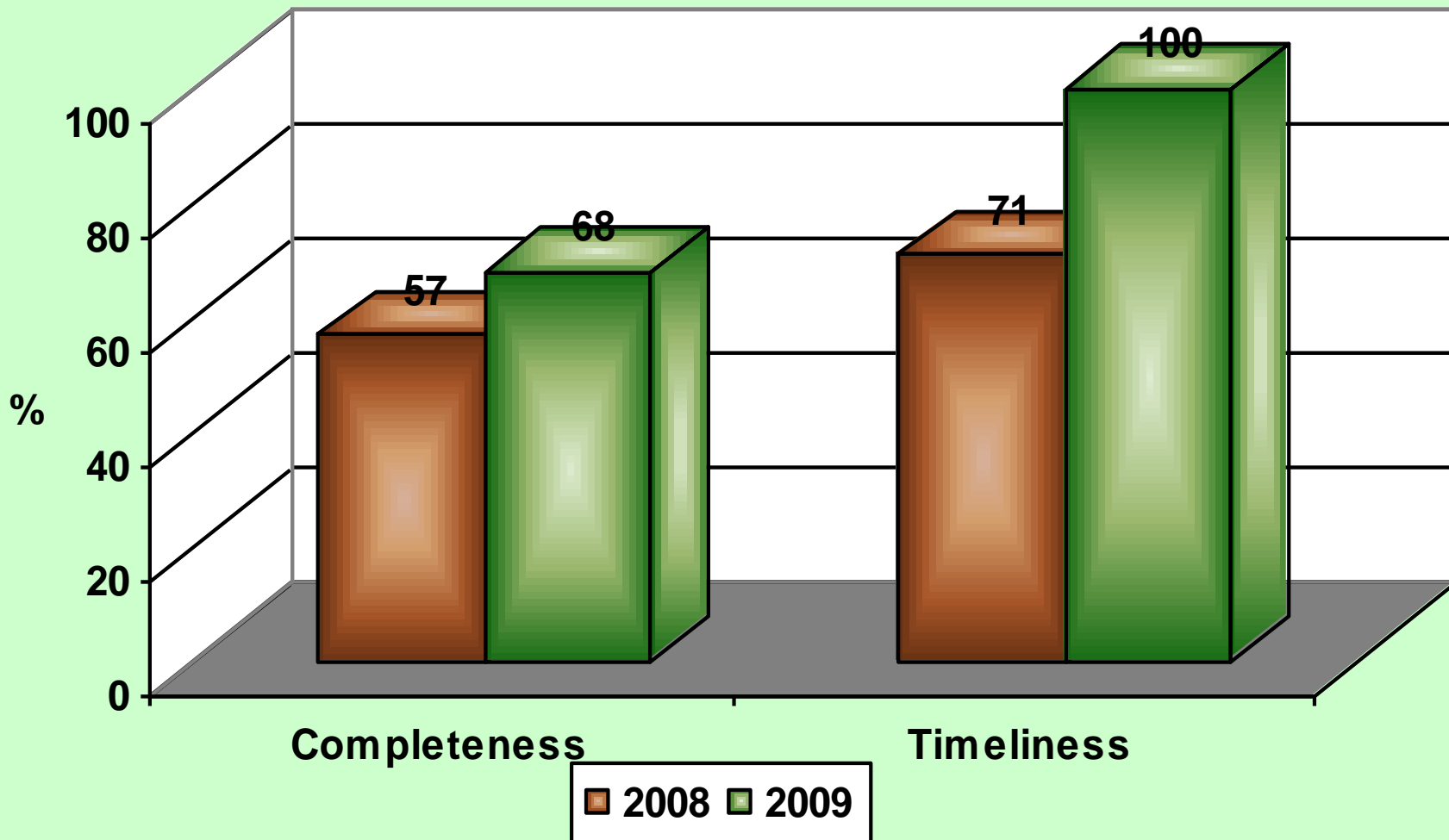
# Flow of data...

- ☹ Reports should be received at federal EPI before or in the 10<sup>th</sup> 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.

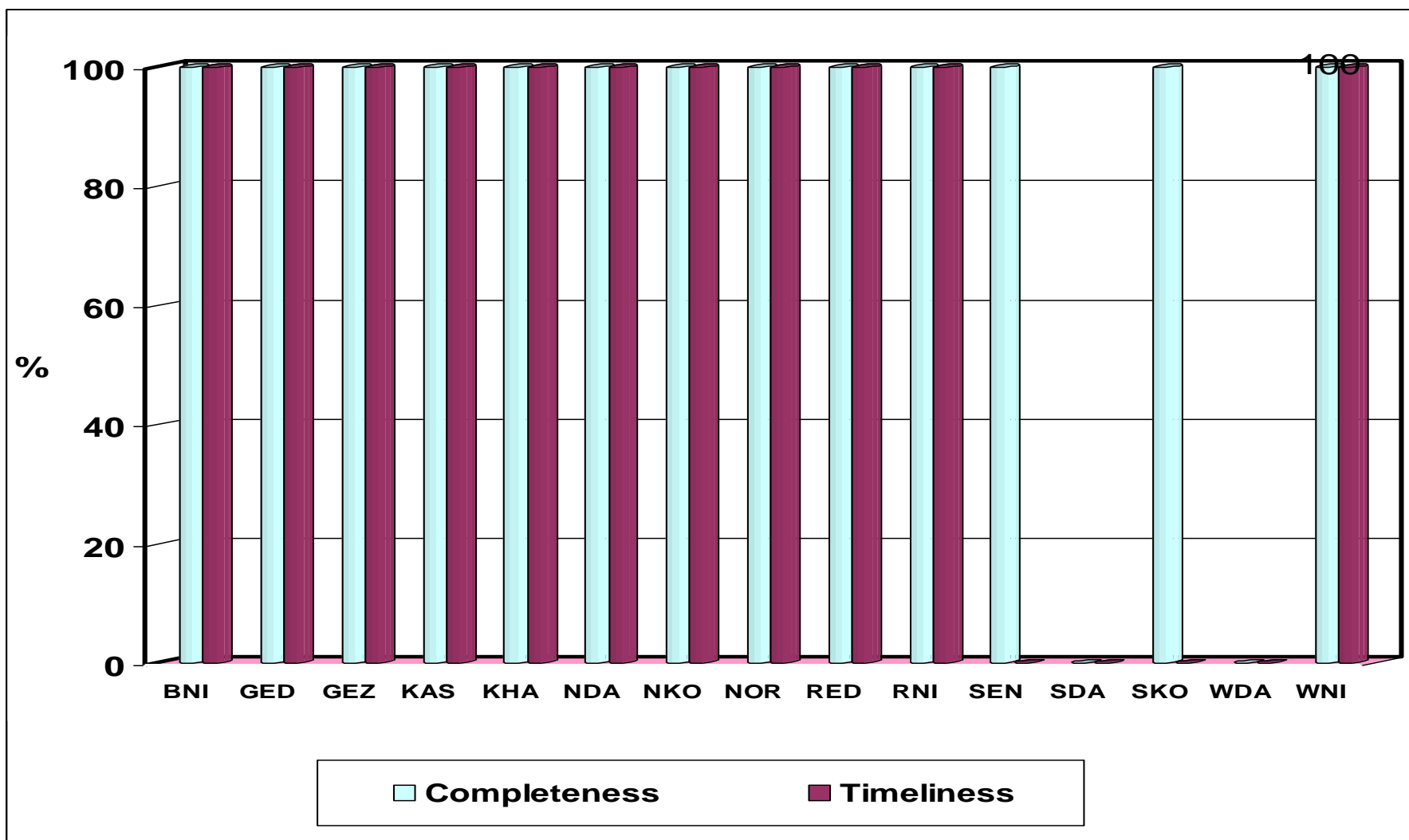


# *Jan, 2009 Report*

# *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*

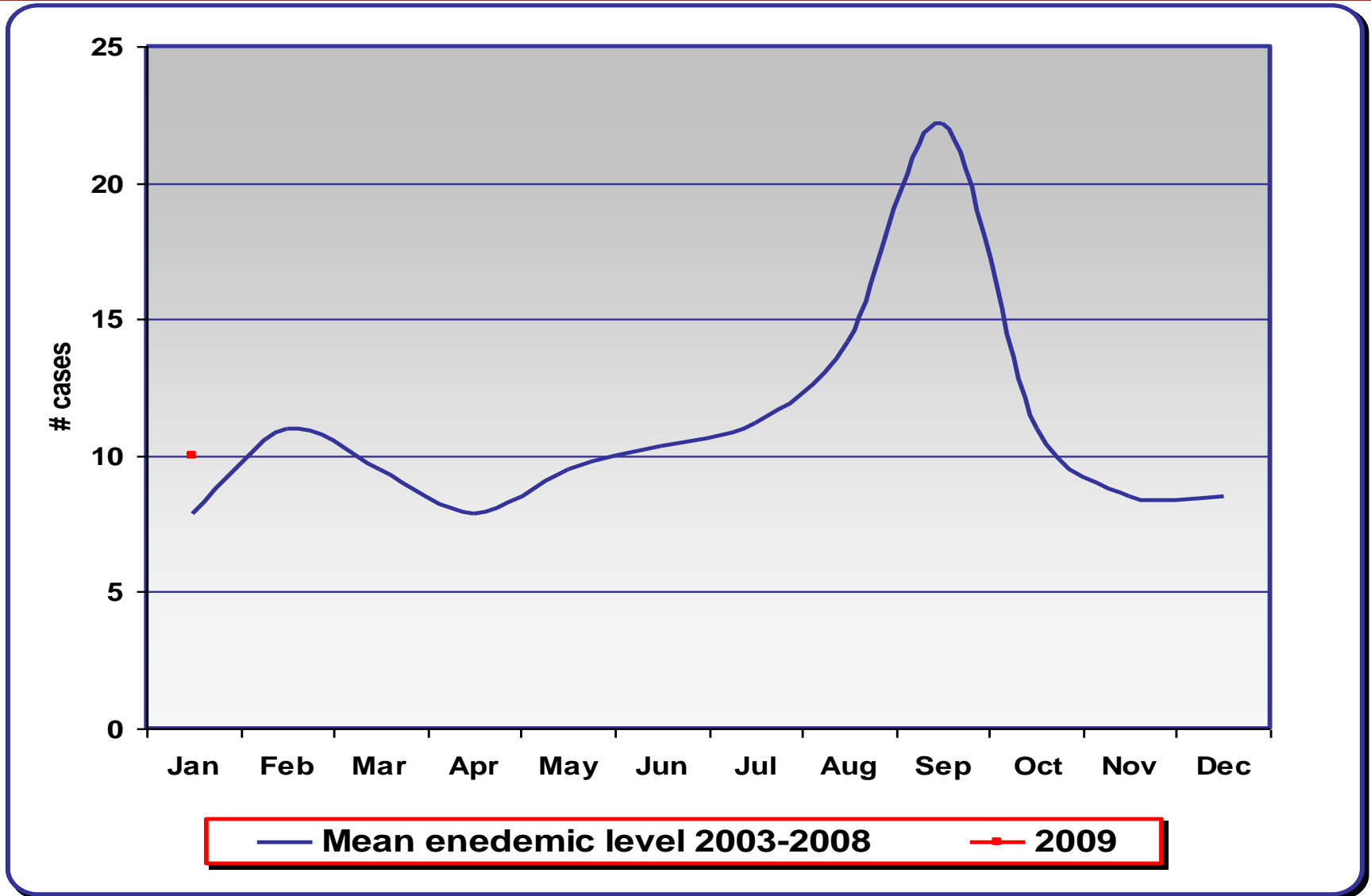
Disease	AFP Weekly reports	Monthly reports	Epidemiology Weekly reports
cases	21	10	10
Deaths	2	2	3

Up to week 4, 2009

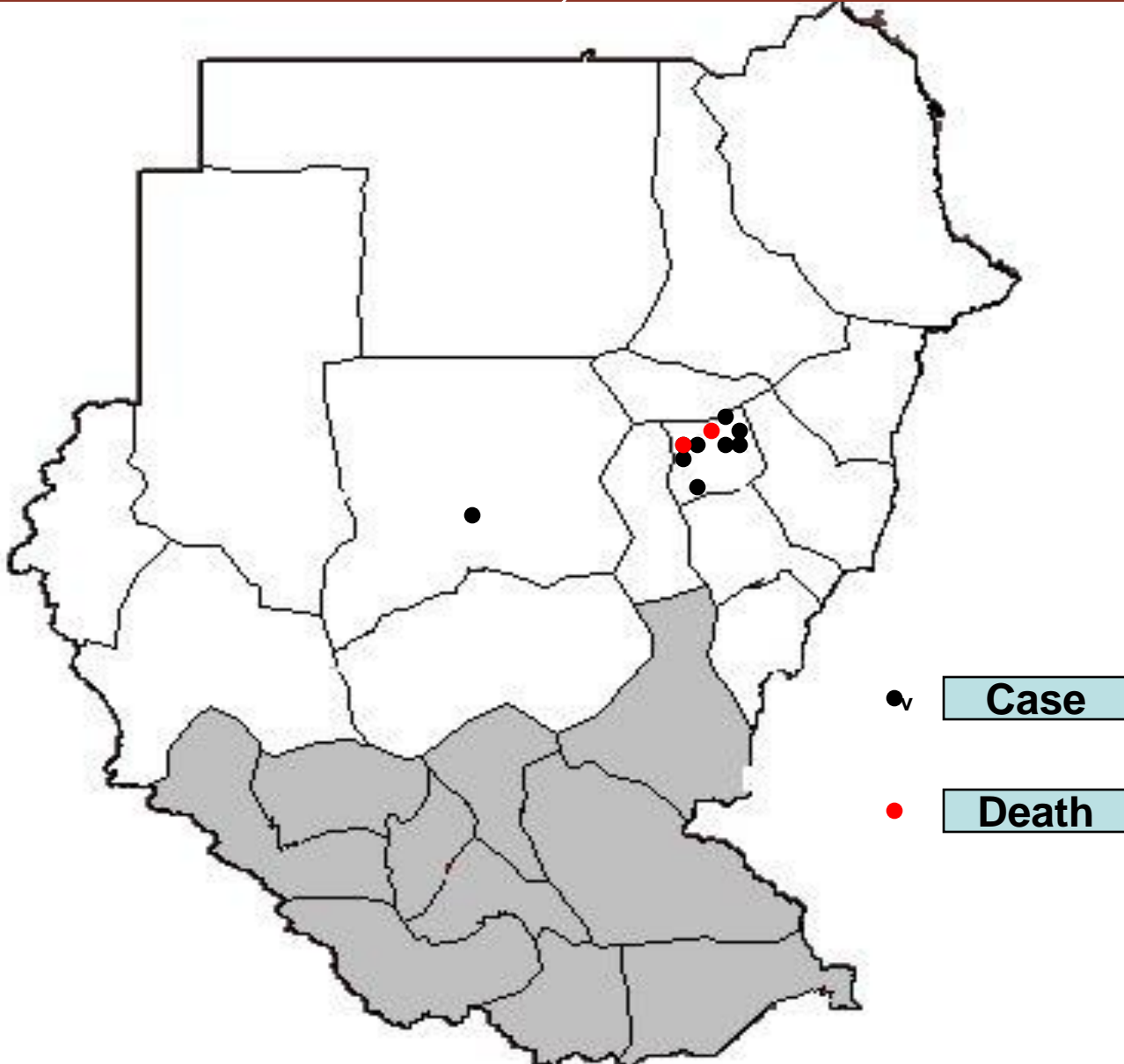
*Table (3): Monthly and weekly reported NT cases by state  
Jan, 2009*

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
<b>Total</b>	<b>10</b>	<b>2</b>	<b>21</b>	<b>2</b>

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

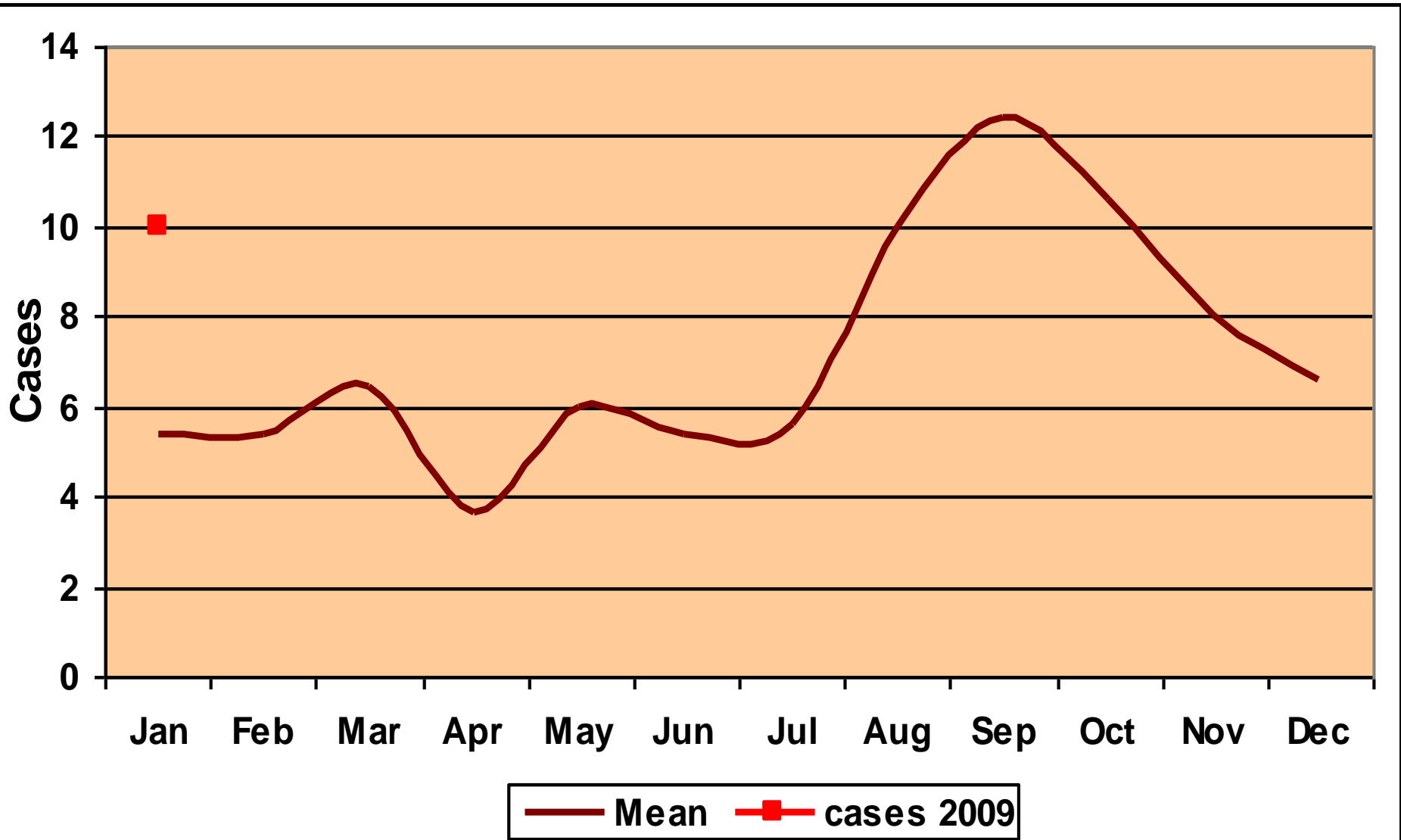


*Map.(1) Distribution of reported NT cases and deaths by states Jan, 2009*



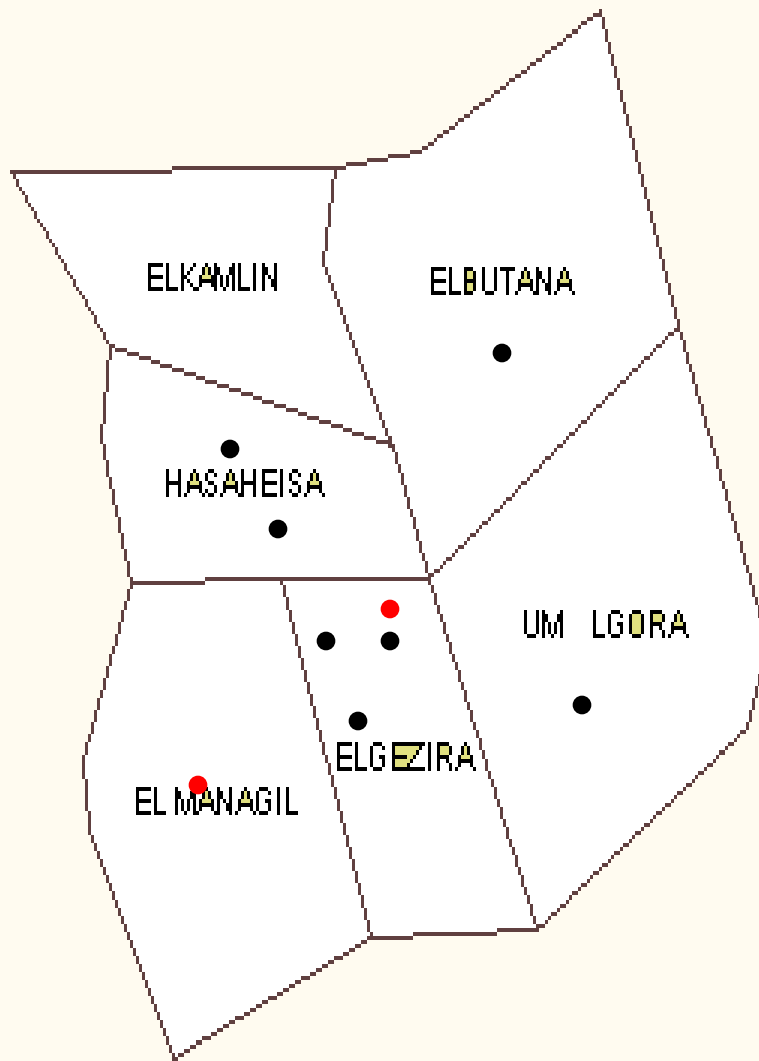


*Reported NT cases, 2009 compared to the mean endemic curve of Gezira state*



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

Cases = 9  
Deaths = 2



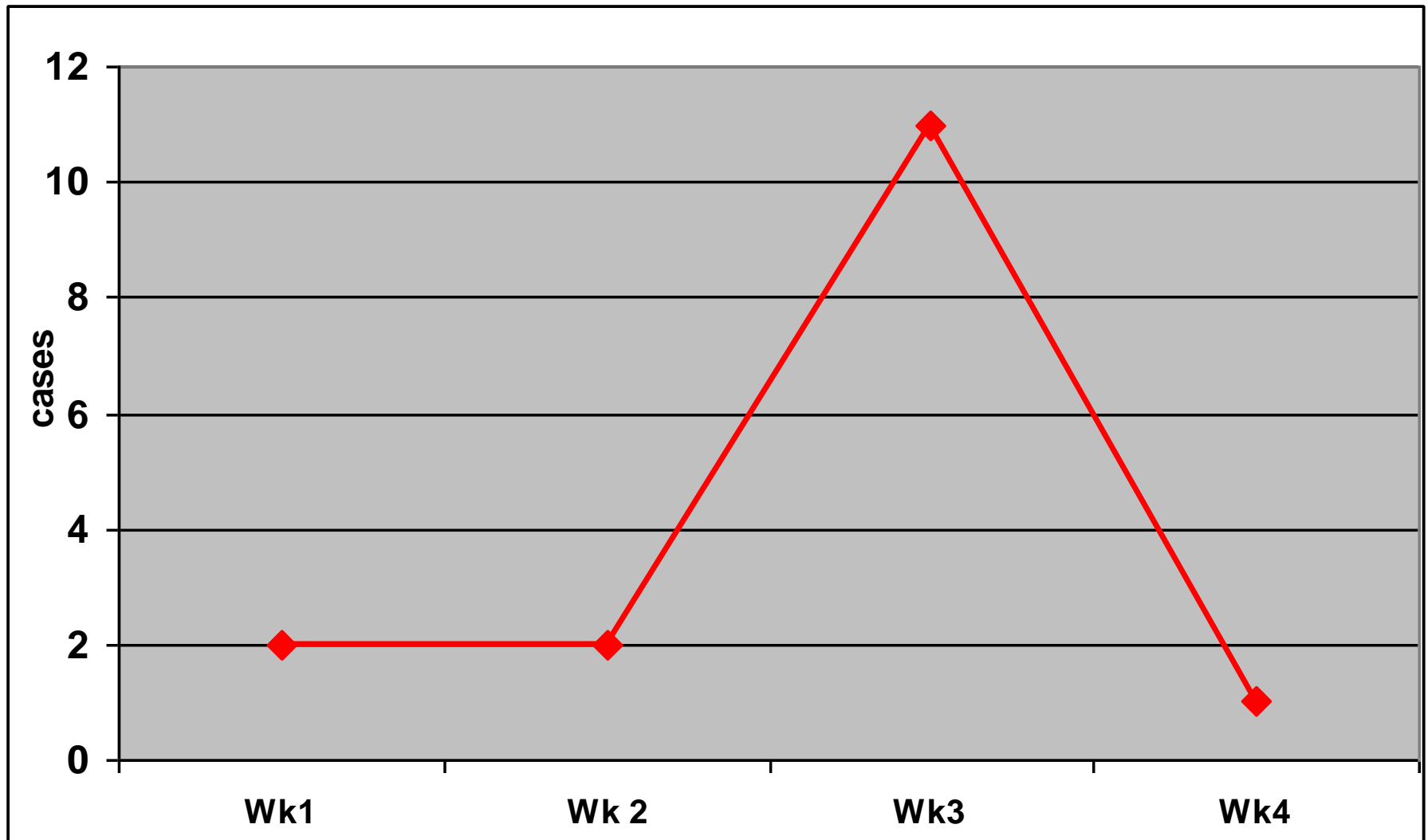
● Case

● Death

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

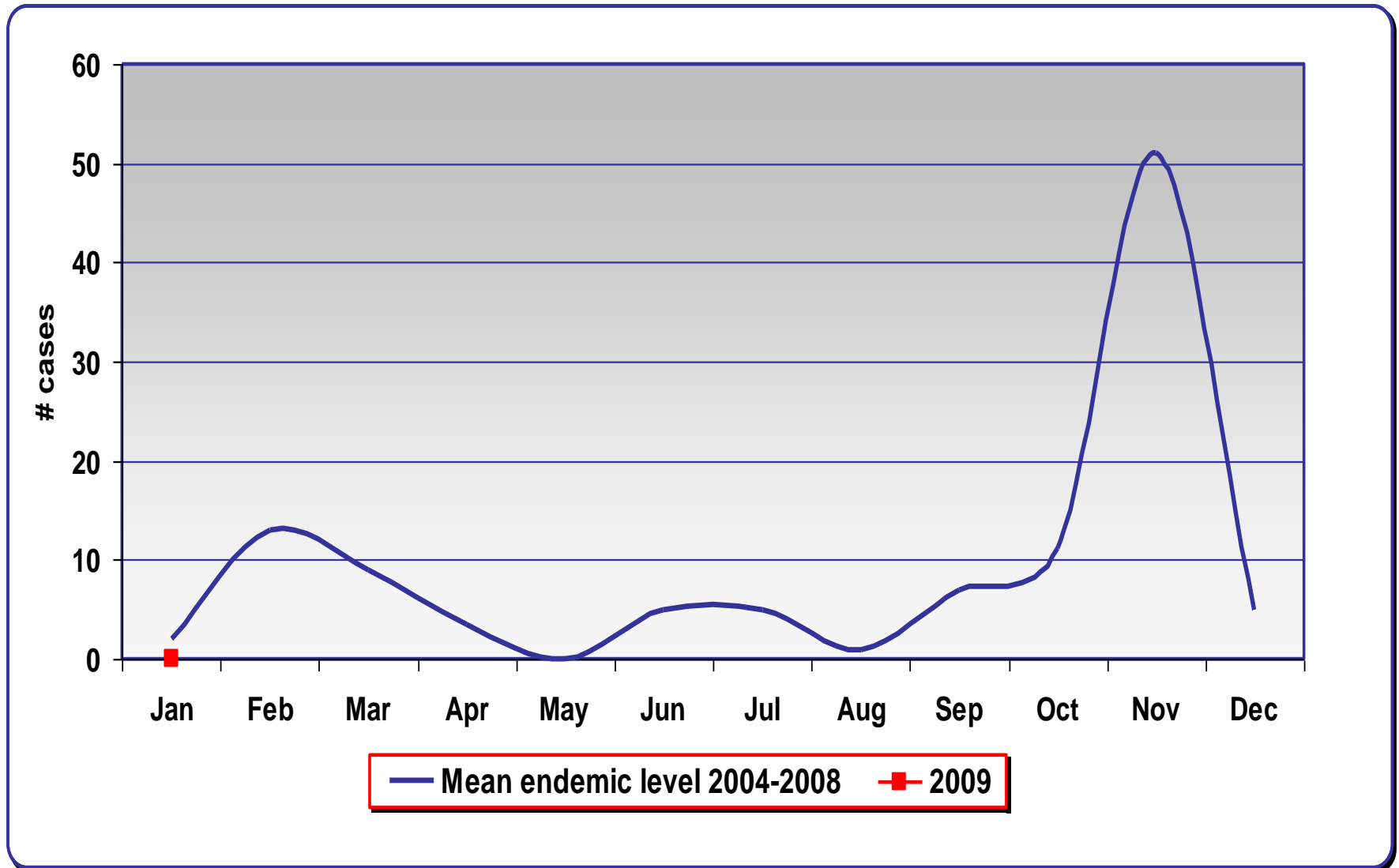
Locality	Life Births	cases	Deaths	CFR	Incidence by 1000 LB
Madani	18,452	1	1	%100	0.05
South Gezira	28,517	3	0	0	0.11
East Gezira	22,478	1	0	0	0.04
Alhasahesa	30,194	2	0	0	0.07
Um Elqura	10,065	1	0	0	0.10
Almanagil	41,266	1	1	%100	0.02
Um Rawaba	27,475	1	0	0	0.04
Total	178,447	10	2	20	0.06

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

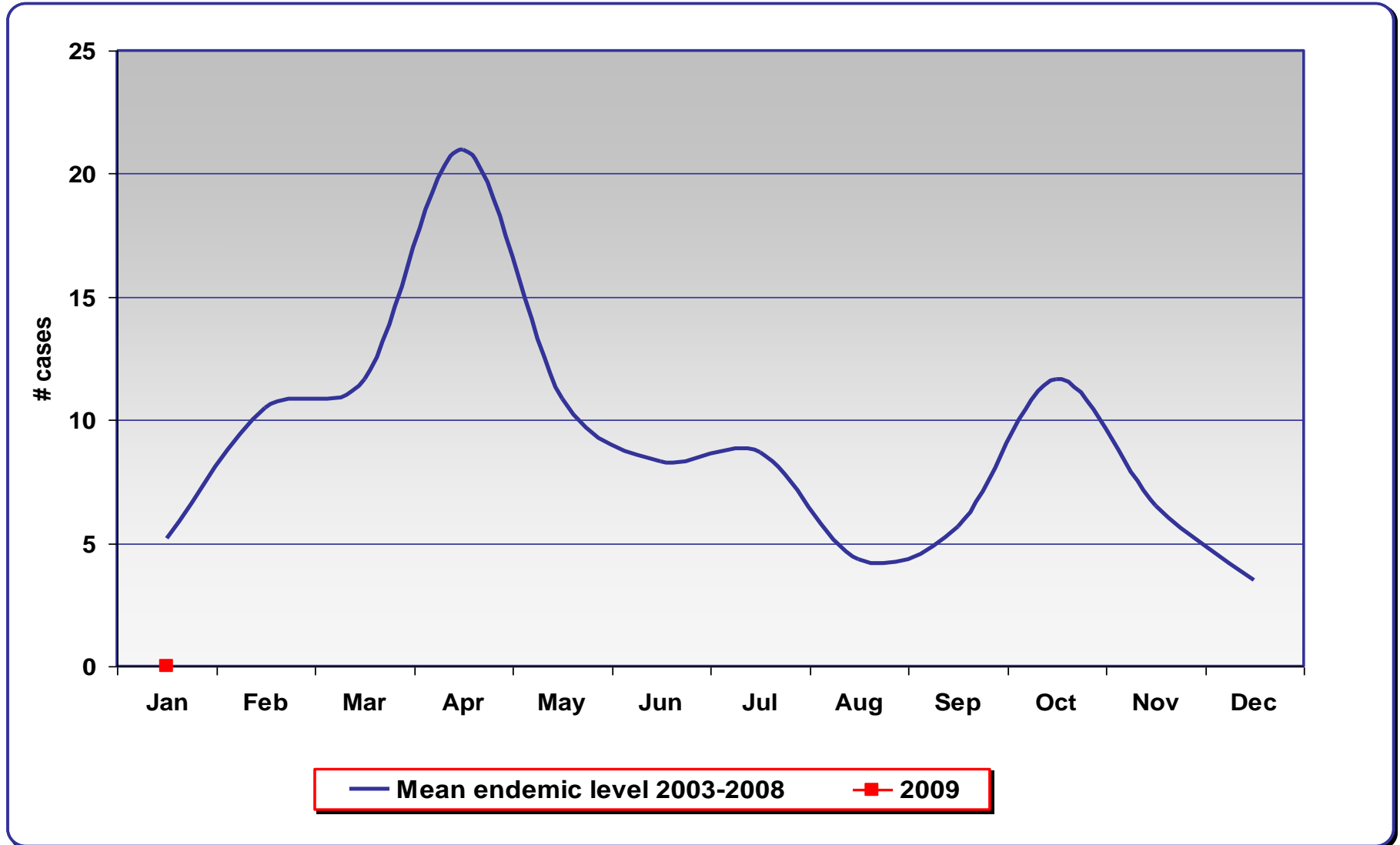


\* Source is AFP weekly report

*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