

Weekly AFP surveillance feed back for Iraq; report 100 for international week 53 ending 03/01/2010

1. Annualized AFP rate/100,000 in children under 15 years of age, by province Fig (1):

During 2009, 406 AFP cases were reported from all 19 DoHs. The AFP rate of 2 per 100,000 for population under 15 years of age Fig (1) has been attained for the country as a whole and all DoHs, Baghdad Kerkh; attained the standard rate of 2/100,000 <15 children in the last week of 2009. We hope all DoH will sustain and build on this level of performance in 2010.

Fig (1) Annualized AFP rate by province, Iraq, first 53 weeks, 2009

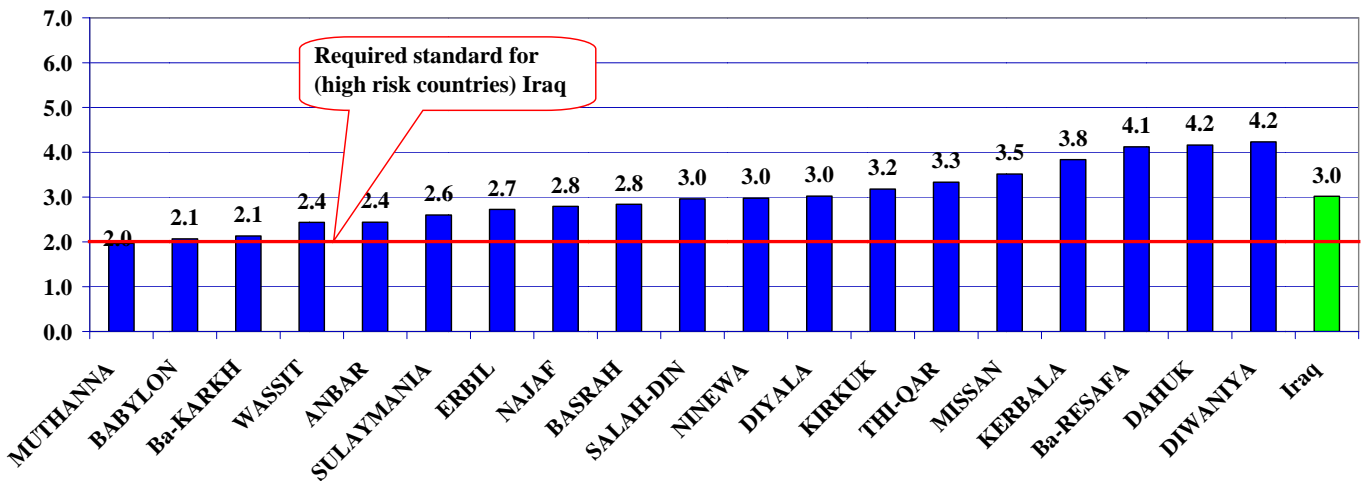


Fig (2) Non-polio AFP rate/100,000 children under 15 years, IRAQ, 99-09*

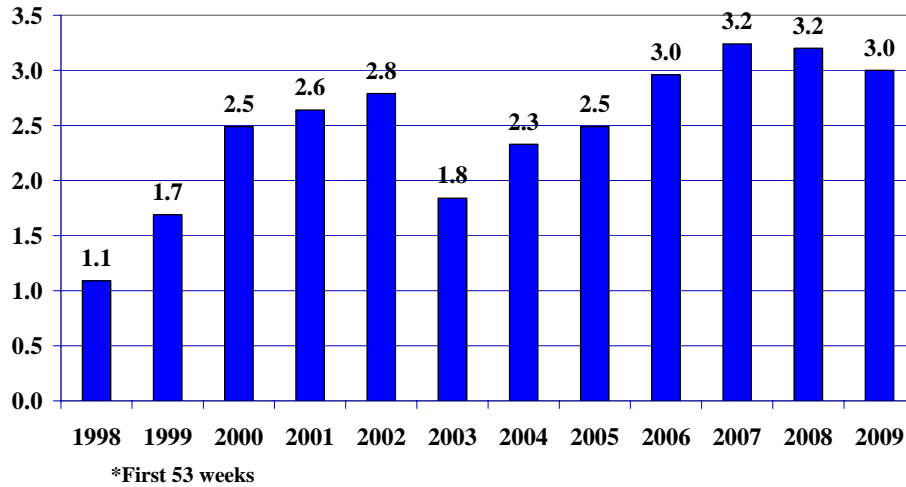


Table (1): show that performance in all DoHs is within the expected. In general the following is noted:

- ✓ There is an excellent progress in Baghdad Kerkh in last few weeks; hopefully all will maintain this level of performance through 2010.
- ✓ More effort is need in Muthana and Babil.
- ✓ All DoH except Babil and Muthana reported more than what is expected.

Table (1) Expected and reported AFP cases, by province, 2009 & 2008,

Province	Reported AFP cases	Expected cases
MUTHANNA	5	5
BABYLON	15	15
Ba-KARKH	29	27
SULAYMANIA	19	15
ERBIL	18	13
SALAH-DIN	16	11
ANBAR	16	13
NAJAF	15	11
THI-QAR	24	15
MISSAN	13	7
DAHUK	18	9
DIWANIYA	19	9
DIYALA	20	13
BASRAH	29	21
KERBALA	16	8
KIRKUK	14	9
Ba-RESAFA	69	34
NINEWA	40	27
Wasit	11	9
Iraq	406	271

Table (2) Reported AFP Cases during 2008 and 2009, Iraq

International week	2008	2009
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Total up to week 40	355	301
W41	8	10
W42	5	11
W43	6	5
W44	5	14
W45	6	14
W46	9	11
W47	7	7
W8	3	3
W49	4	8
2009W50	9	8
2009W51	6	5
2009W52	5	4
2009W53	3	5
Total	431	406

Table (3) Reported AFP cases,

2005 -2009

Year	2005	2006	2007	2008	2009
Cumulative, up to Week 53	327	399	425	431	406

The number of AFP cases reported in 2009 (406 cases) is less than what has been reported in all previous years except 2005 & 2006.

Situation of AFP reporting during the same period in 2008: 431 AFP cases were reported from 19 out of the 19 DoHs.

3. Stool adequacy,

Chart (3) illustrates the fact that all DoHs that reported cases, except Duhok; Missan and Baghdad- Kerkh achieved the standard target of reporting = > 80% stool adequacy of AFP cases. Dahuk went below the required standard after reporting 2 AFP cases with inadequate stool specimen; there is no reason for Baghdad Kerkh not to achieve the needed standard. Baghdad Kerkh performance for the basic indicators has not been satisfactory all through 2009.

Chart (3) % AFP cases with 2 stool specimens collected within 14 days of onset and at least 24 hours apart; first 53 weeks of 2009

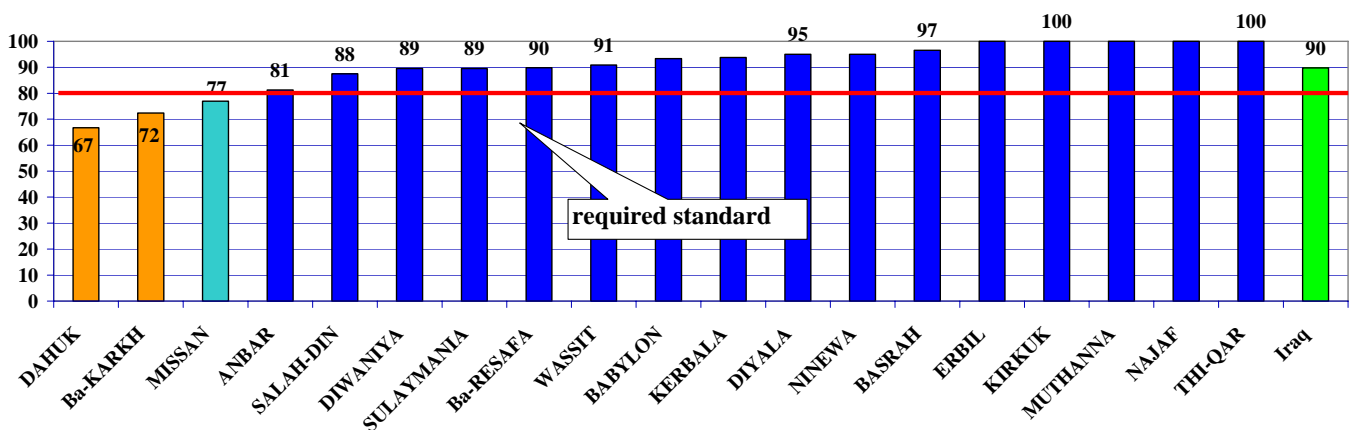
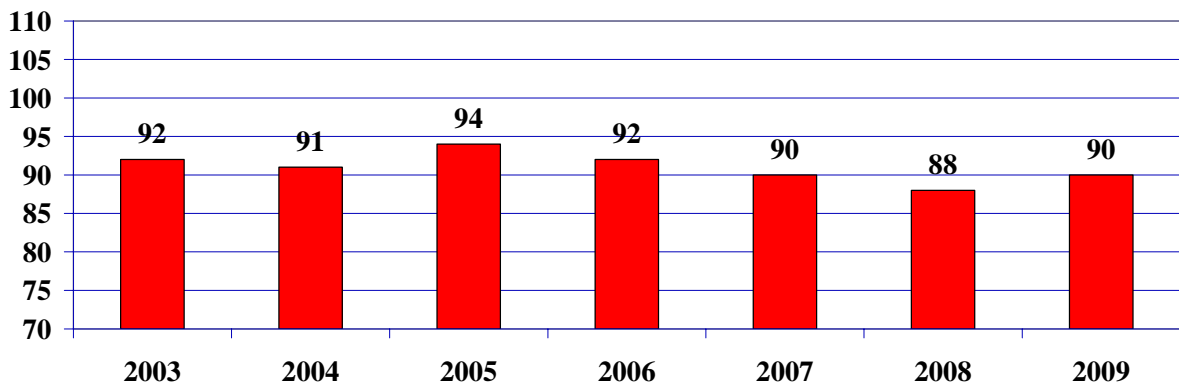


Chart (4) shows that stool adequacy have been sustained at around 90% since 2003

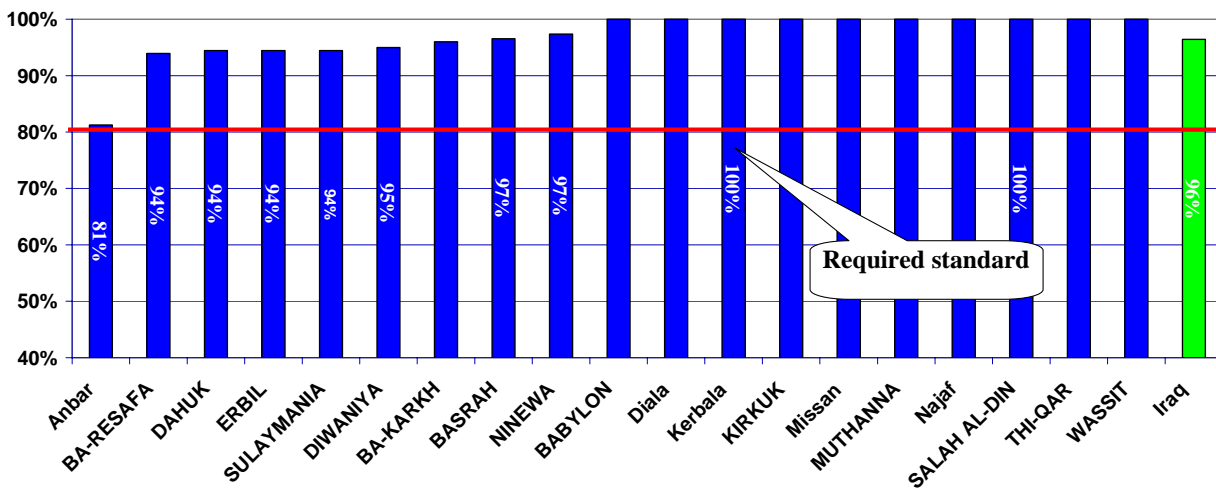
Chart (4) Stool adequacy, Iraq, 2003-2009



4. % AFP cases with period between date of notification and date of investigation <= 2 days (TARGET = 80%)

All provinces achieved the indicator for investigation of cases within 48 hours of notification. Anbar now have succeeded in achieving the required standard of 80% cases investigated within 48 hours.

Fig (5) AFP cases investigated within 48 hours, first 53 weeks 2009



5. Table (4) AFP cases with Errors that need correction:

IDCODE	ERROR5	ERROR4	
IRQDU09015	Error5		
IRQBG09074	Error5		

Error5 = Pending classification and date of onset more than 90 days ago. It is important that Duhok and Baghdad Resafa forward the final classification of these cases to the national AFP surveillance officer

Error6 = Date of stool collection more than 45 days ago and pending preliminary culture results

Error7 = Date of stool collection more than 45 days ago and no date of culture result

Error8 = Dates of stool collection the same date

6. Non-polio entérovirus isolation rate (Target 10%)

The NPEV isolation rate for the country as a whole is 25%, out of the 19 DoH, 16 achieved the required standard of >10%.

Fig (6) NPEV isolation rate 1999-2009*

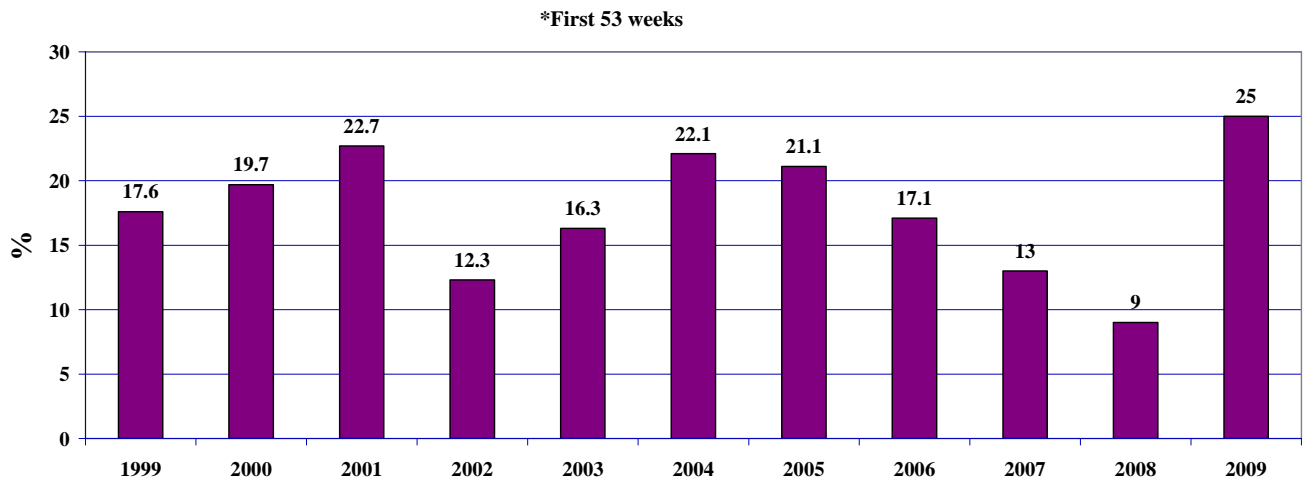
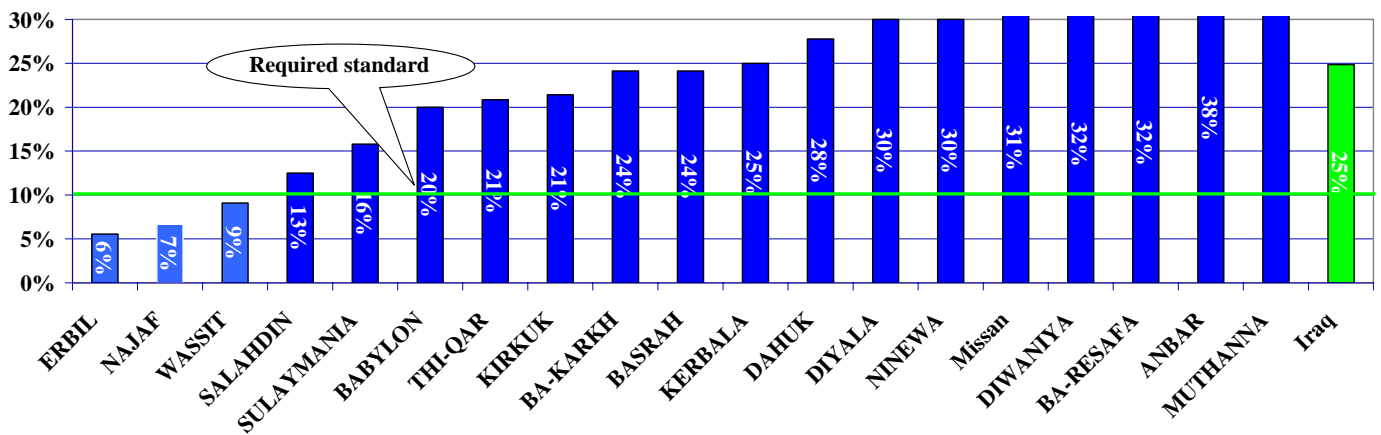


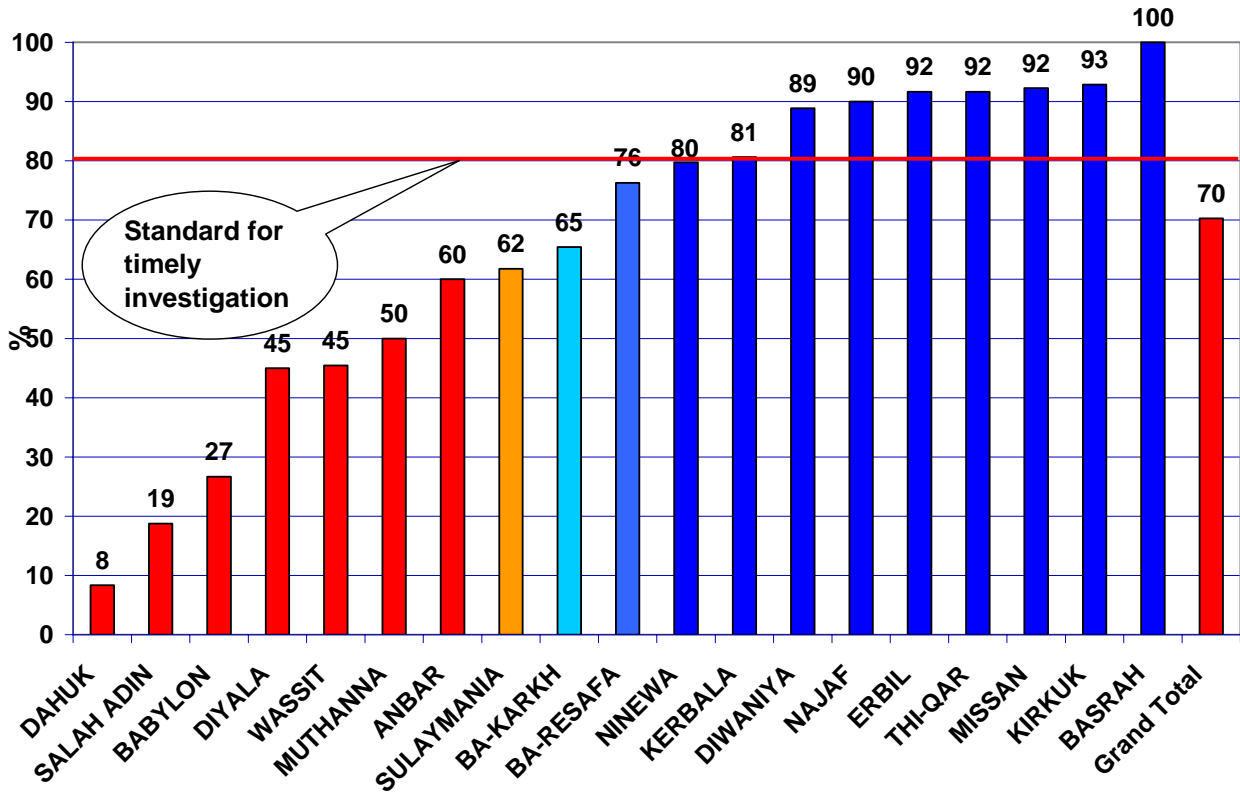
Chart (7) Non-polio entero-virus isolation rate, Iraq, first 53 weeks of 2009



7. Time between collection of first stool and receipt in the NPL

Chart (8) shows the period in days between receipt of stool specimens in NPL and collection of first stool samples. 9 out of 19 DoHs that reported cases attained the required standard of sending at least 80% of specimen to the NPL within 3 days of collection of first stool specimens. It is annoying that the provinces nearest to the NPL are the ones that are lagging behind and pulling back the national average. With minimum effort the province of Baghdad – Resafa and Baghdad Kerkh can attain the required standard and improve performance all over the country.

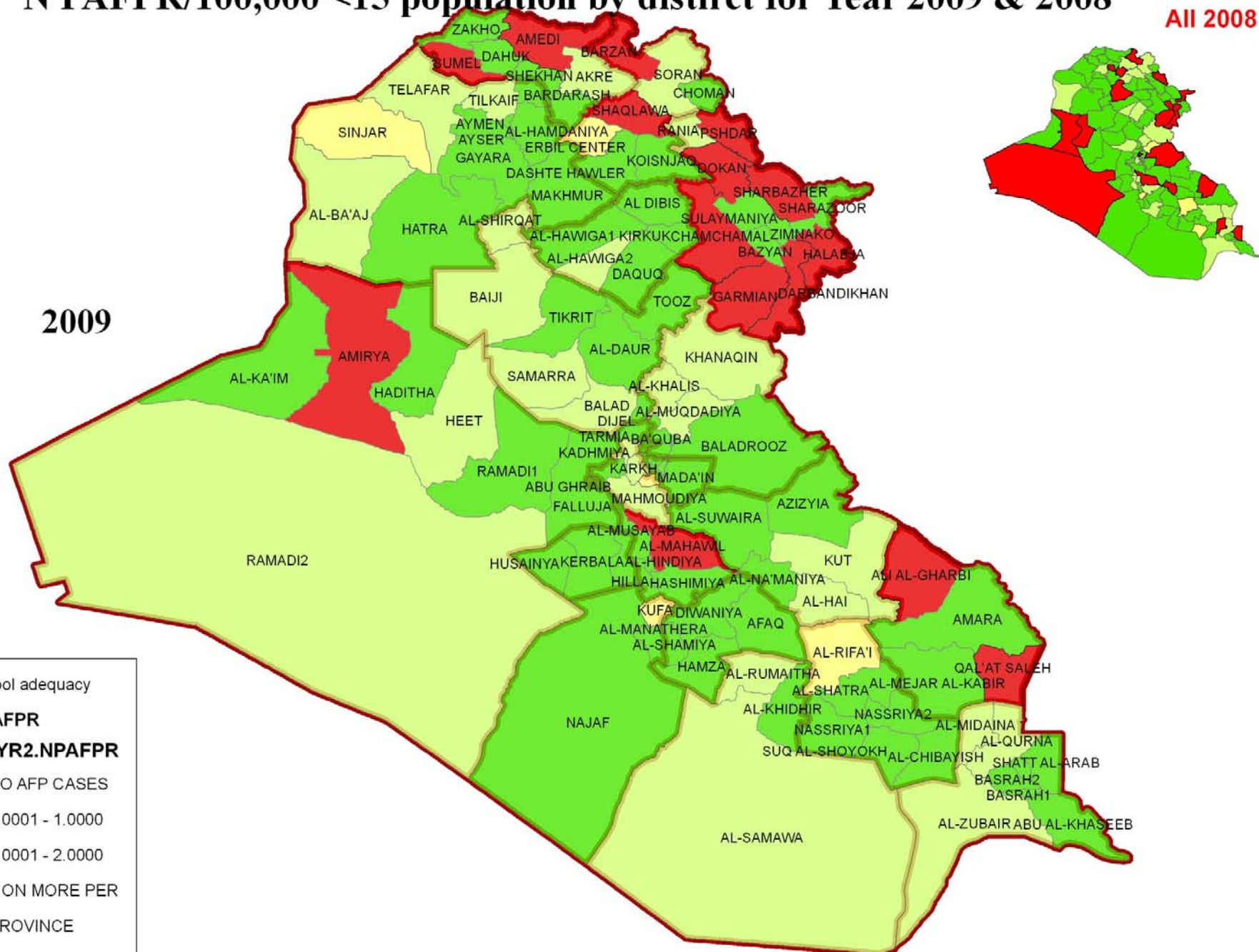
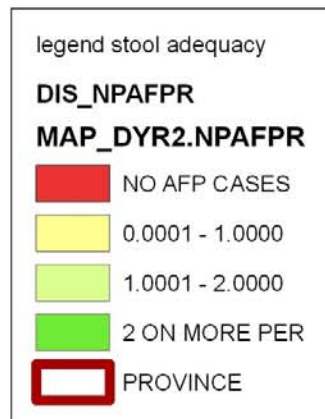
Chart (8) % stool specimens received in NPL within 3 days of first stool collection 53 weeks, 2009



N PAFPR/100,000 <15 population by distirct for Year 2009 & 2008

All 2008

2009



Stool adequacy by distirct for Year 2009 & 2008

2009

All 2008

