



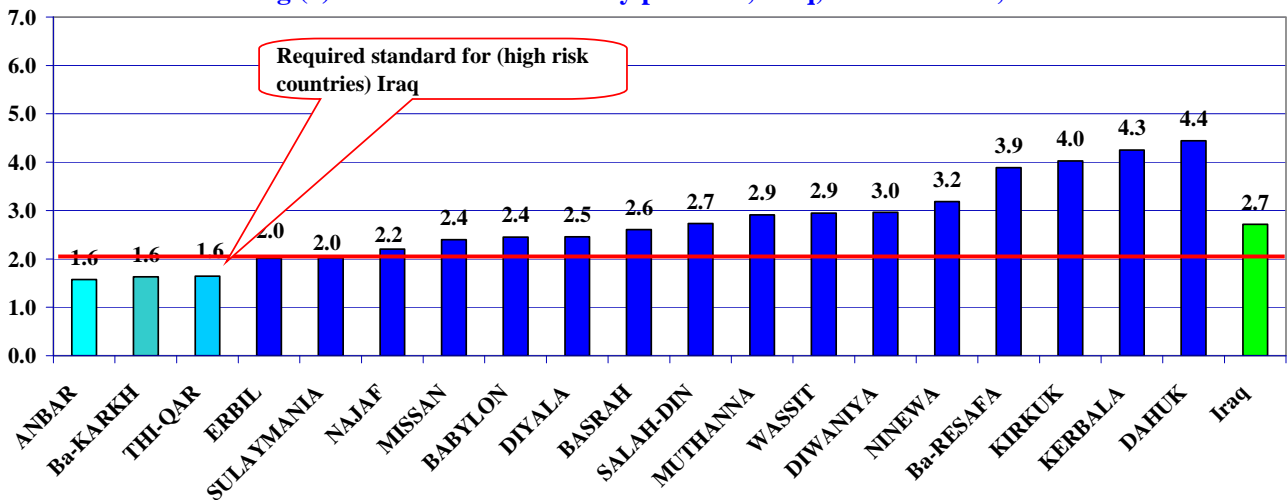
Weekly AFP surveillance feed back for Iraq; report 77 for international week 35 ending 30/08/2009

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

247 AFP cases were reported from all 19 DoHs during the first 35 weeks of 2009. The national AFP rate for children under the age of 15 was 2 per 100,000 (Fig 1) .(Baghdad Kerkh went below the dividing line of 2 per/100,000 population this week while Dyala, sulamania and Missan showed excellent progress and crossed above the 2/100000 dividing line).

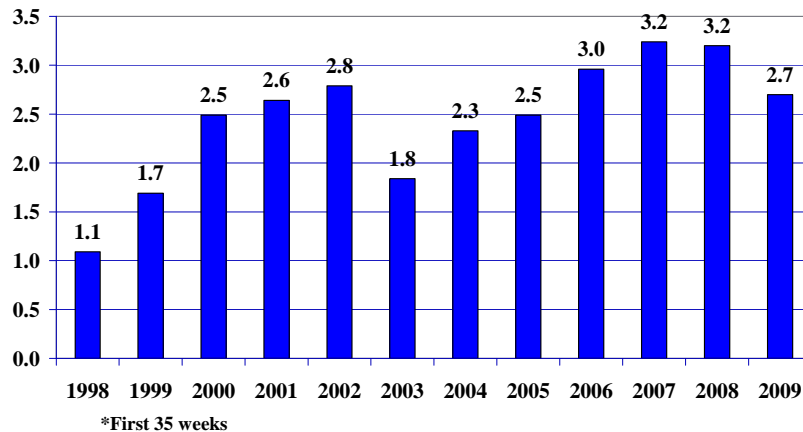
The provinces of: Anbar, Baghdad-Kerkh and Thi Qar will need to improve their performance by enhancing advocacy and active visits.

**Fig (1) Annualized AFP rate by province, Iraq, first 34 weeks, 2009**



2.

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



**Table (1):** show that performance in 3 DoHs was below expectation. In general the following is noted:

- ✓ There is good improvement in Basra, Missan, Sulamania, Babel and Dyala; hopefully all will maintain this improvement.
- ✓ Basra, Erbil, Dyala, Najaf, Kerbala, Wasit, Salahadin, Babil, Dahuk, Baghdad- Resafa, Kirkuk, Muthana, Ninewa, and Diwanyia reported more cases than expected.

**Table (1) Expected and reported AFP cases, by province, during the first 35 weeks of 2009 & 2008,**

<i>Province</i>	Reported AFP cases	Expected cases
ANBAR	7	9
THI-QAR	8	10
Ba-KARKH	15	18
MISSAN	9	9
Erbil	6	5
DAHUK	13	6
DIWANIYA	9	6
DIYALA	11	9
BASRAH	18	14
KERBALA	12	6
KIRKUK	12	6
Ba-RESAFA	44	22
Muthana	5	3
NAJAF	8	7
NINEWA	29	18
SALAH-DIN	10	7
SULAYMANIA	10	10
BABYLON	12	10
WASSIT	9	6
Iraq	247	178

**Table (2) Reported AFP cases during the first 35 weeks of 2008 and 2009, Iraq**

<b>International Week</b>	<b>2008</b>	<b>2009</b>
W24	5	10
W25	15	4
W26	12	6
W27	9	12
W28	10	6
W29	14	11
W30	12	4
W31	12	13
W32	15	8
W33	12	2
W34	13	6
W35	11	6
<b>Total</b>	<b>328</b>	<b>241</b>
W 12	8	7
W 13	10	7
W 14	7	9
W 15	10	10
W 16	6	3
W 17	8	12
W 18	21	4
W 19	7	6
W 20	10	7
W 21	8	7
W 22	6	5
W 23	13	7

**Table (3) weekly reported AFP cases, 2005 -2009**

International Week	2005	2006	2007	2008	2009
Cumulative, up to Week 21	233	279	268	328	247

The number of AFP cases reported in 2009 (247 cases) was lower than all the cases reported in previous years with exception of 2005

- 3. **Situation of AFP reporting during the 2008:** 328 AFP cases were reported from all of the DoHs.
- 4. **Stool adequacy,** Chart 3 illustrates that all the DoHs except Missan, Dahuk and Baghdad- Kerkh achieved the standard target of reporting which is  $\geq 80\%$  stool adequacy of AFP cases. The DoH of Dahuk was close to achieving this standard and is expected to show improvement in the coming weeks. There is no reason for Baghdad Kerkh not to achieve the required standard.

**Chart (3) % AFP cases with 2 stool specimens collected within 14 days of onset and at least 24 hours apart; first 35 weeks of 2009**

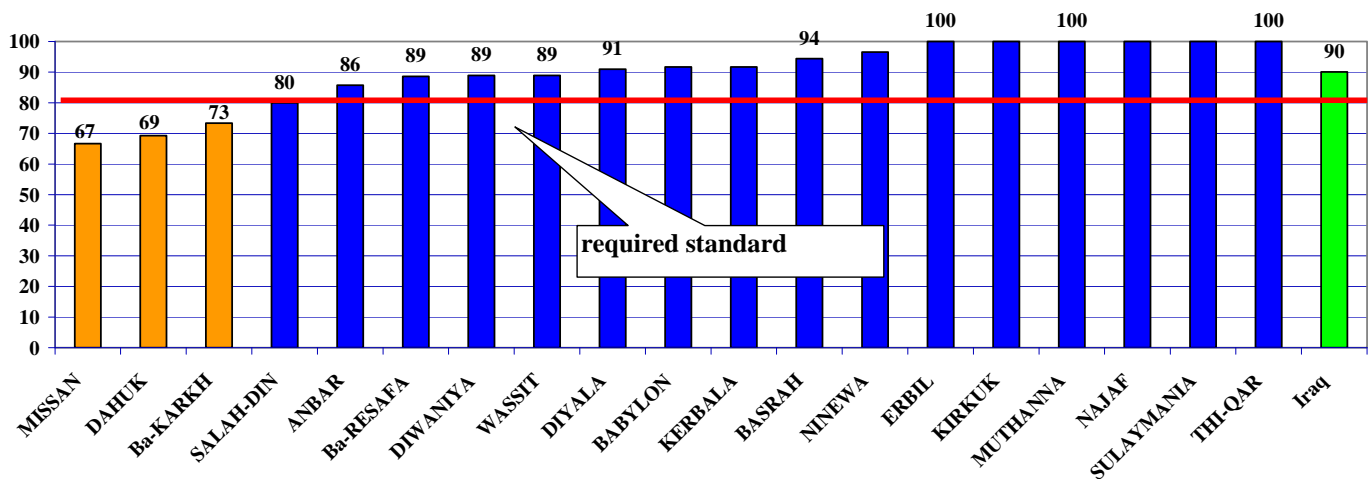
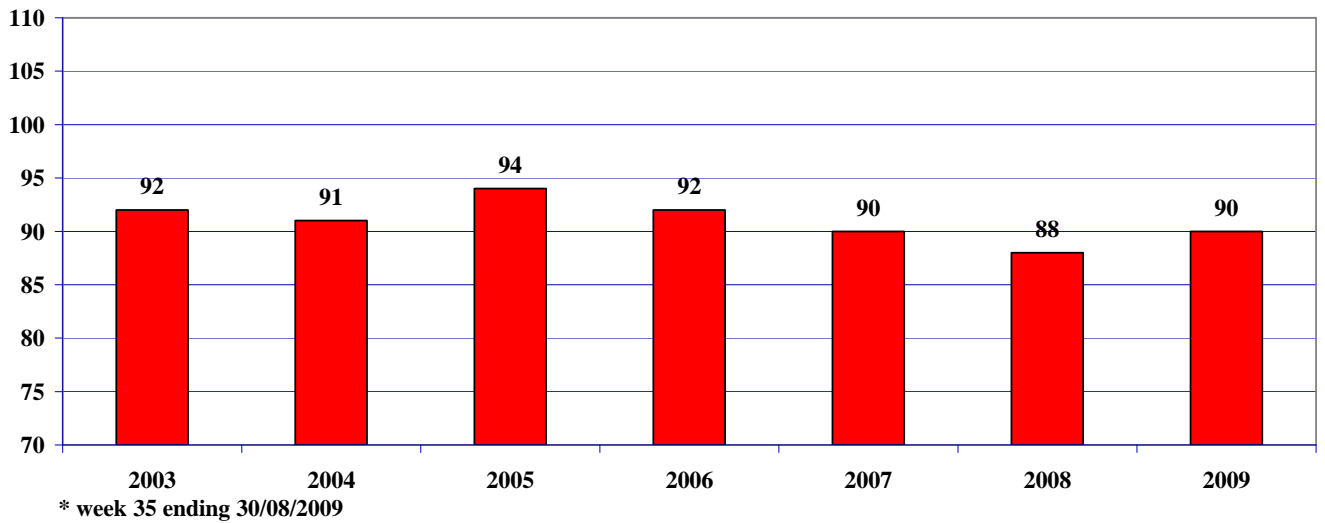


Chart 4 shows that stool adequacy have been at a consistent level of 90% since 2003

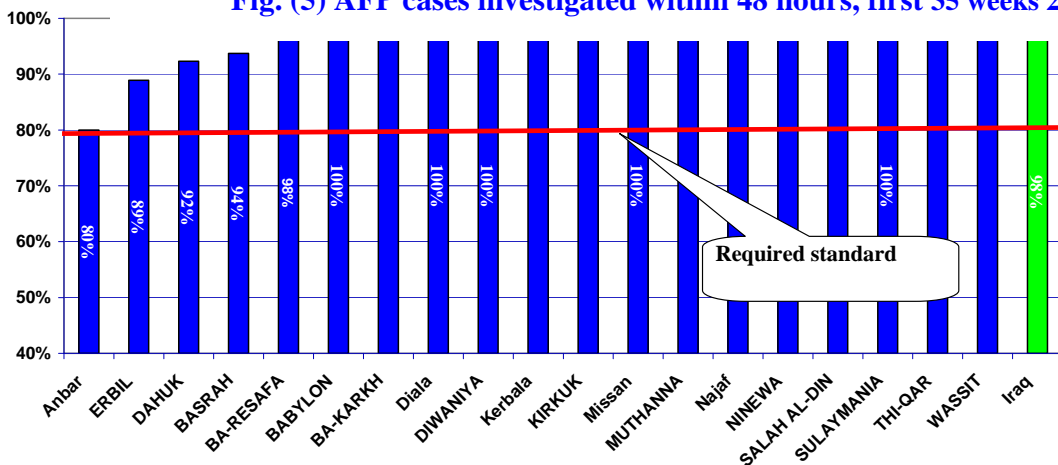
Chart (4) Stool adequacy, Iraq, 2003-2009\*



3. % AFP cases with period between date of notification and date of investigation  $\leq$  2 days (TARGET = 80%)

All provinces achieved the indicator for investigation of cases within 48 hours of notification.

Fig. (5) AFP cases investigated within 48 hours, first 35 weeks 2009



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

IDCODE	ERROR5	ERROR4
IRQAN09001	Error5	

Error4 = Date of notification before date of onset

Error5 = Pending classification and date of onset more than 90 days ago. It is important that Salahadin surveillance staff urgently forward the final classification of this case to the national AFP surveillance officer

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

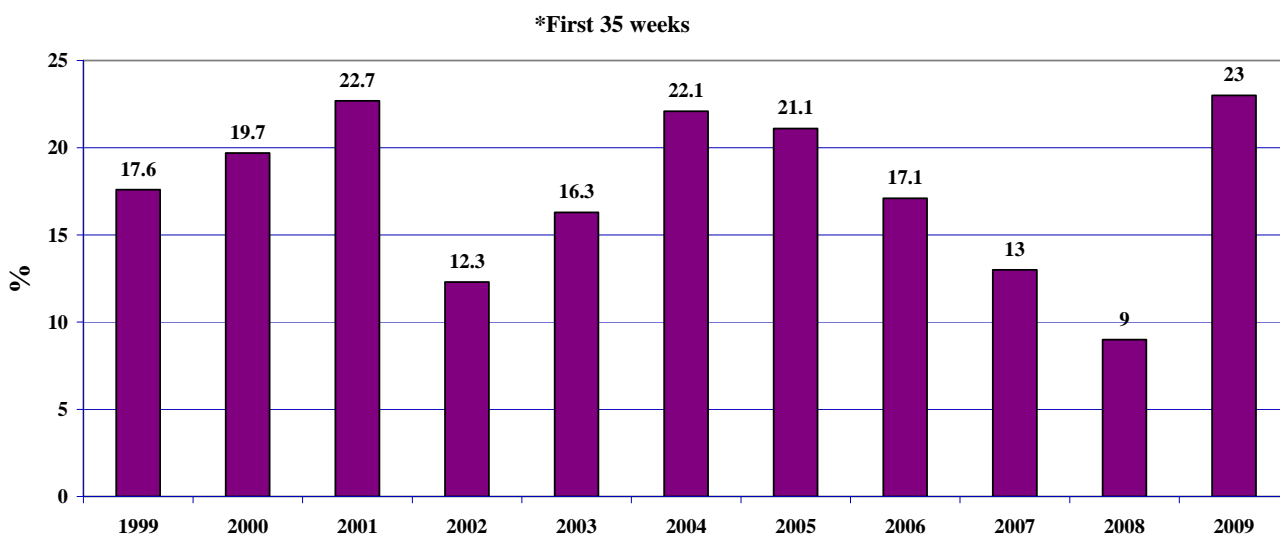
Error7 = Date of stool collection more than 45 days ago and no date of culture result

Error8 = Dates of stool collection the same date

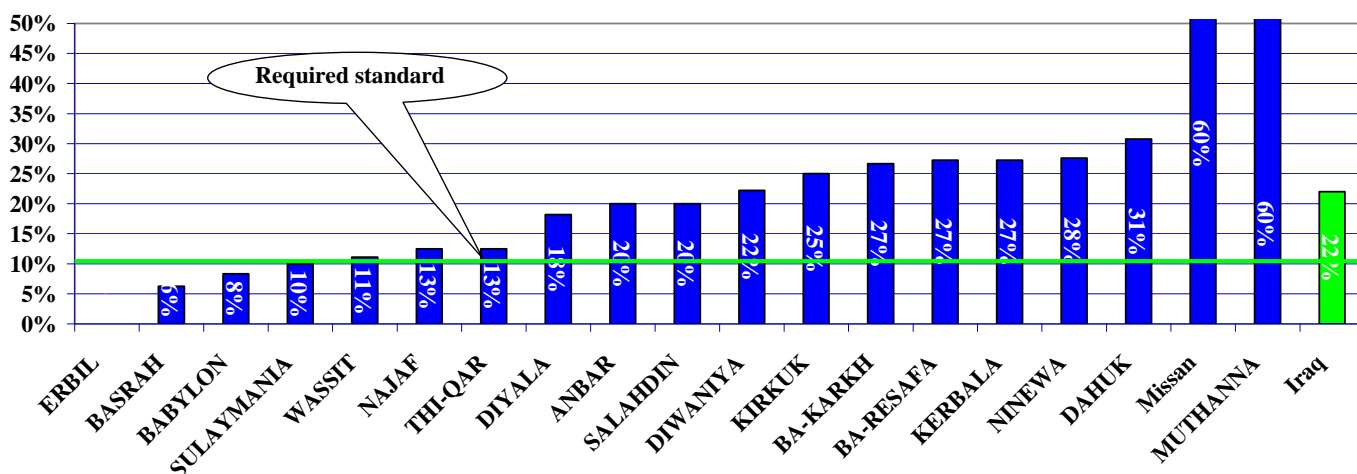
**5. Non-polio entero-virus isolation rate (Target 10%)**

The NPEV isolation rate for the country is 23%, this is based on data from 19 DoHs which reported cases 16 of these provinces achieved the required standard of >10%.

**Fig (6) NPEV isolation rate 1999-2009\***



**Chart (7) Non-polio entero-virus isolation rate, Iraq, first 35 weeks of 2009**

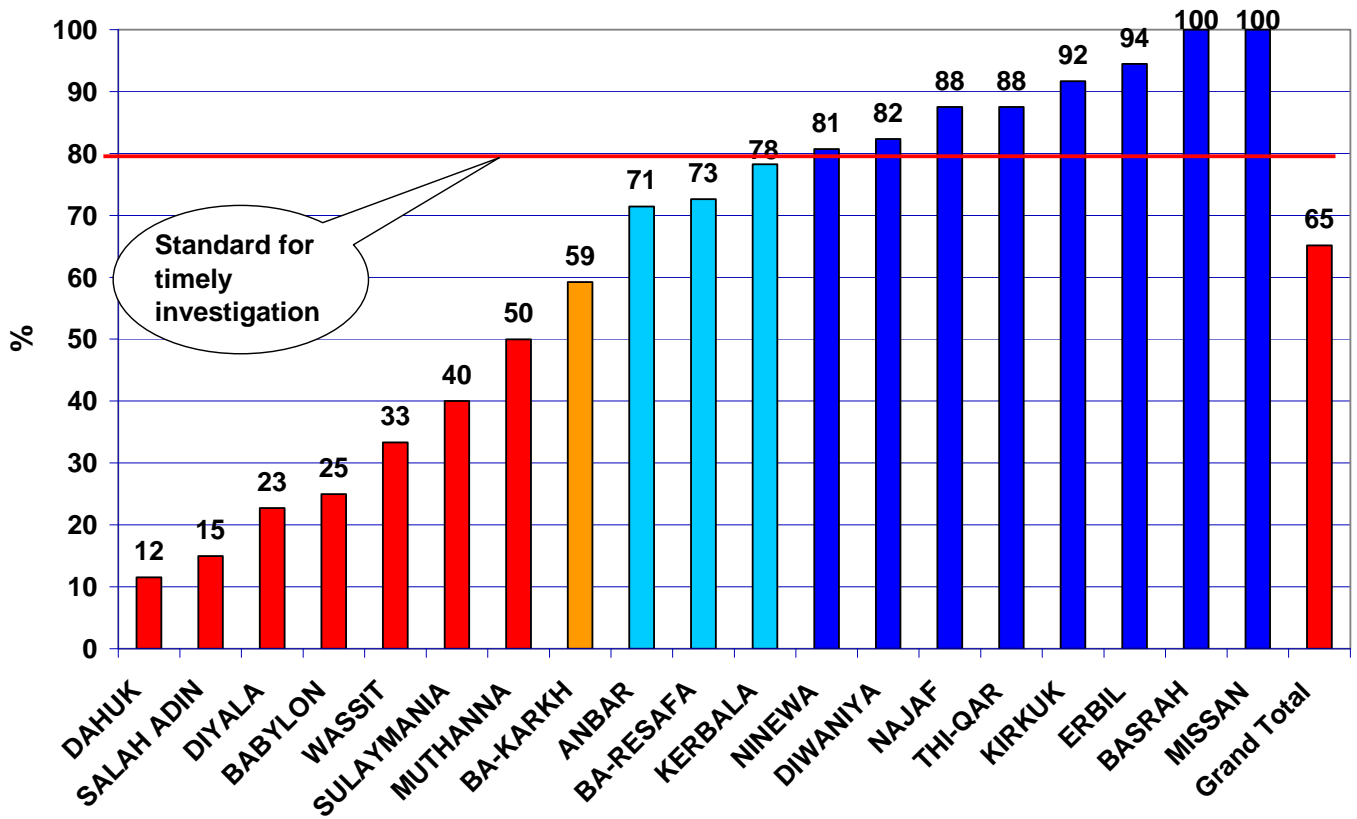


**6. Time between collection of first stool and receipt in the NPL**

Chart 8 shows the number of days between the receipt of stool specimens in NPL and the collection of the first stool samples. 8 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 collecting the of first stool specimens. It is annoying that the provinces nearest to the NPL are the ones that are lagging behind and pulling down the national average.

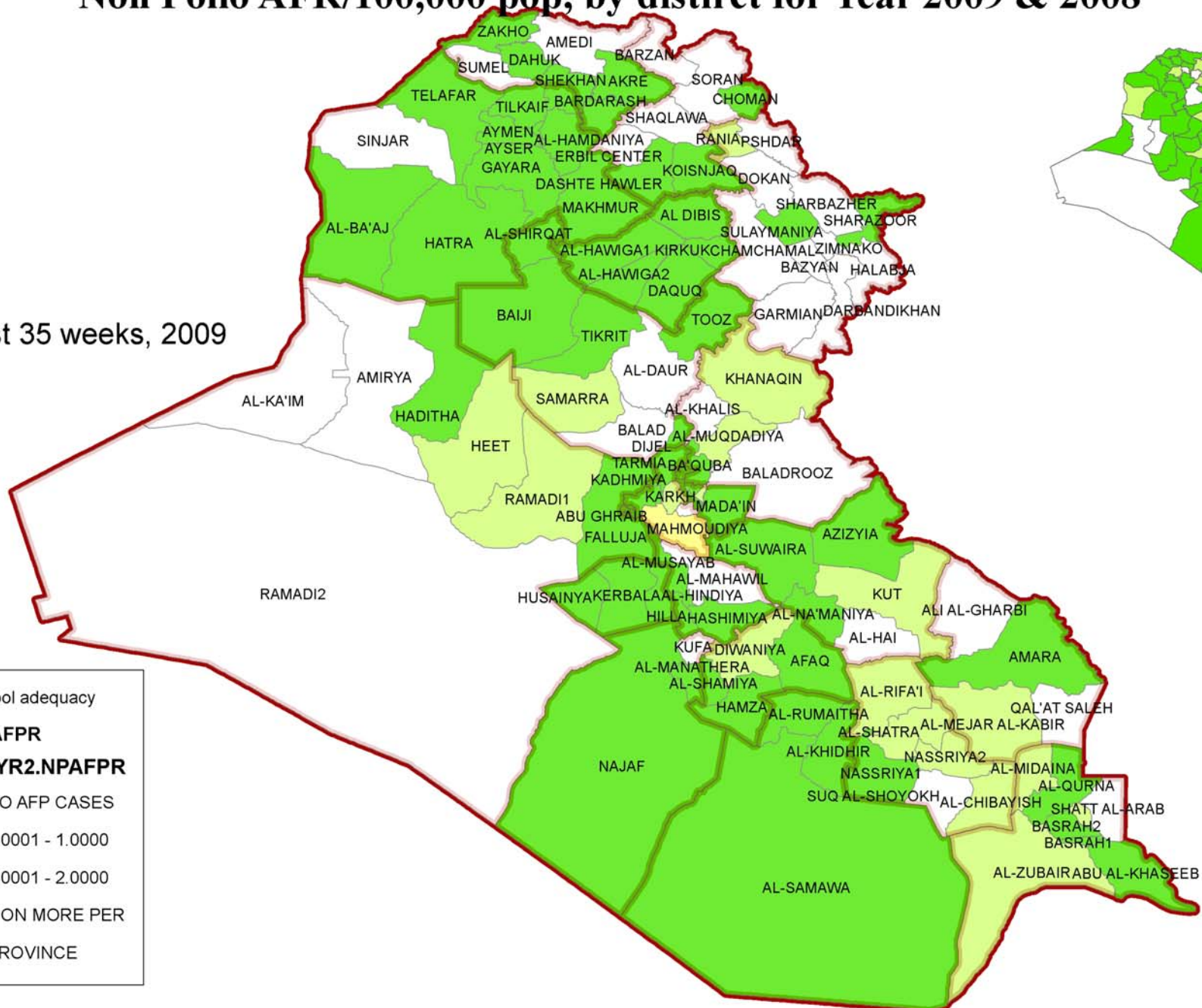
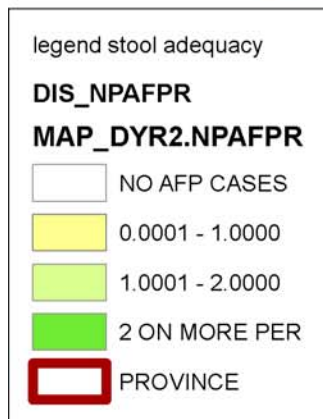
**Chart (8) % stool specimens received in NPL within 3 days of first stool collection, 33 weeks weeks, 2009**



# Non Polio AFR/100,000 pop, by distirct for Year 2009 & 2008

All 2008

First 35 weeks, 2009



# Stool aequacy, by distirct for Year 2009 & 2008

First 35 weeks, 2009

All 2008

