



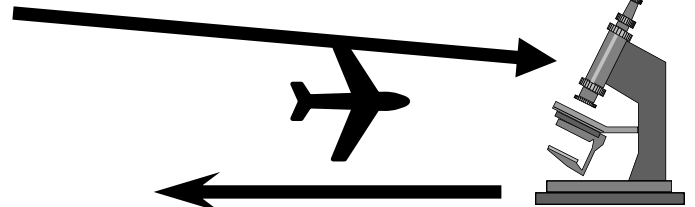
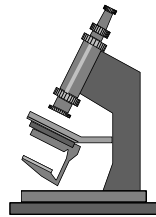
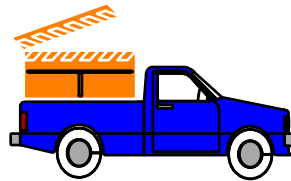
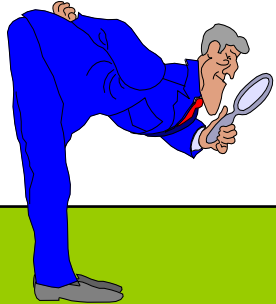
World Health  
Organization



*Republic of Sudan*

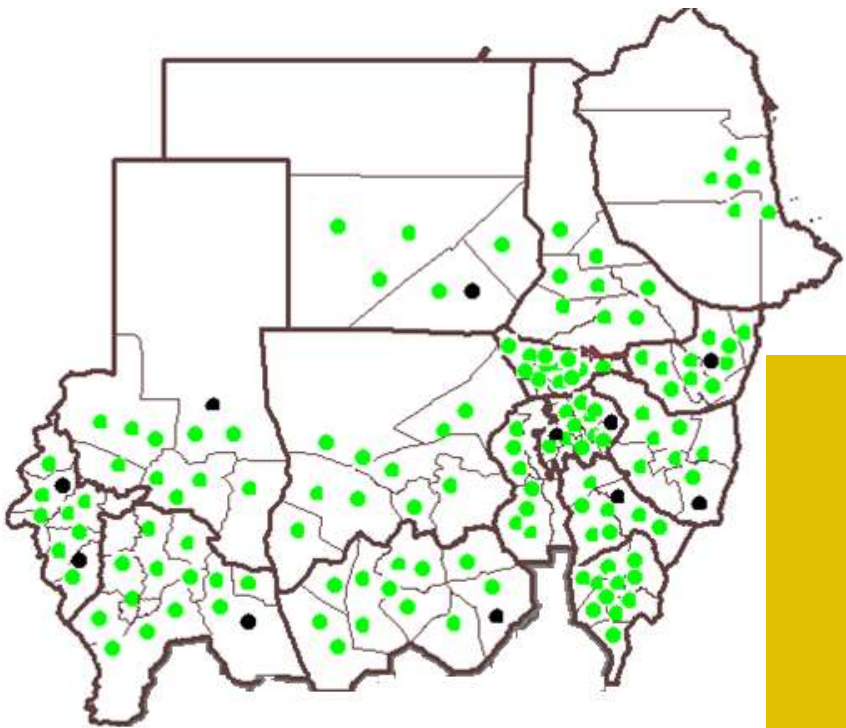


**Weekly AFP surveillance report  
week 25  
Ending on 24 June 2012**

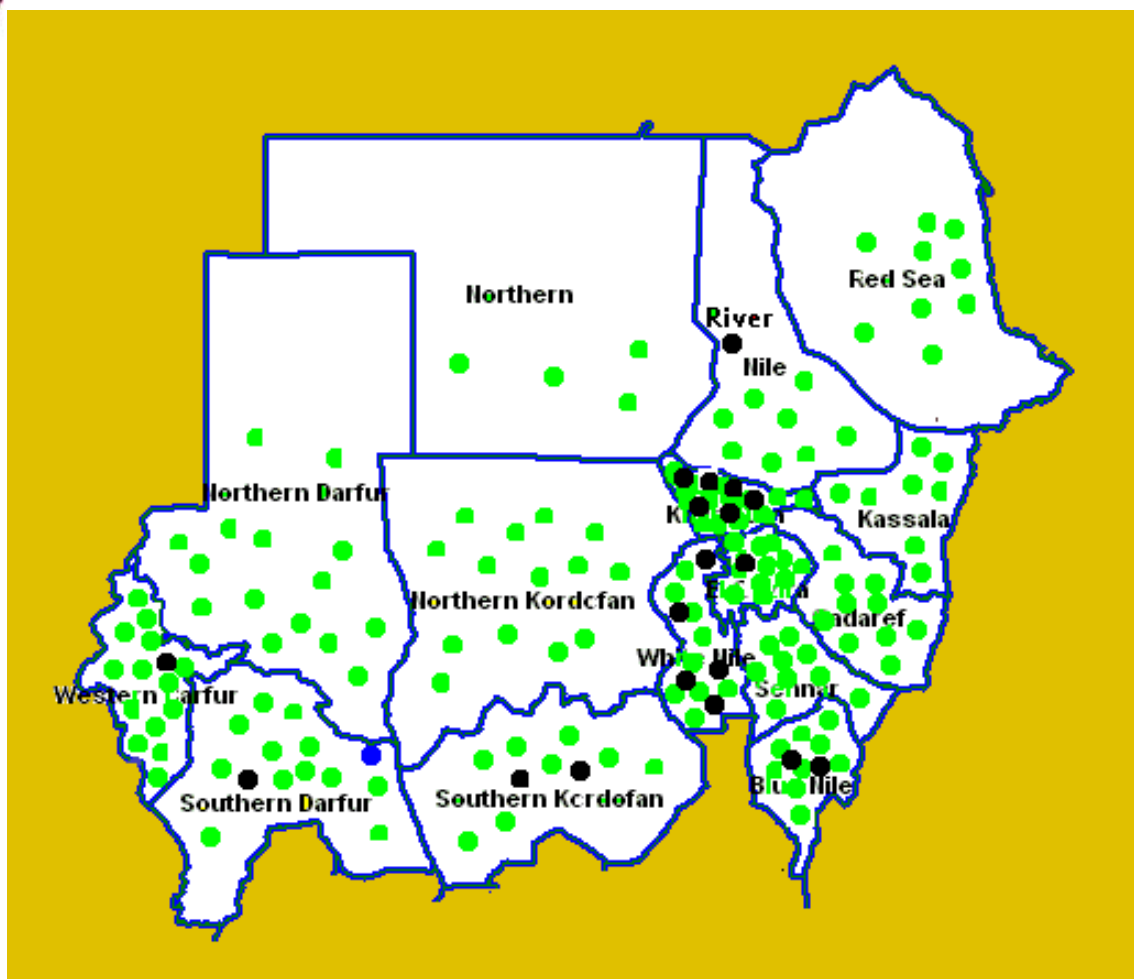


*AFP Surveillance central unit*

**Map 1. Distribution of AFP cases by classification, Sudan, 2011\***



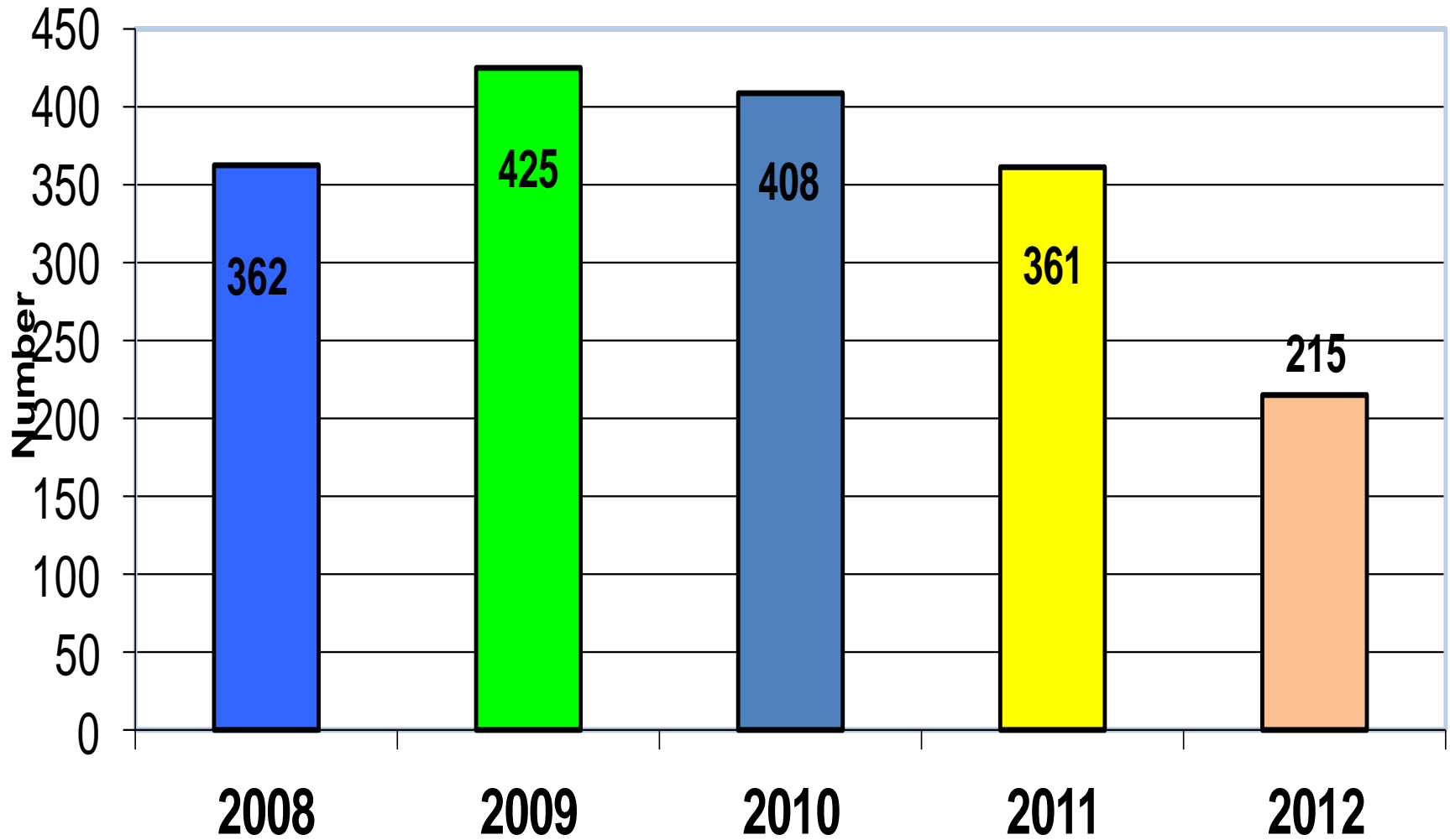
**Map 2. Distribution of AFP cases by classification, Sudan, 2012\***



- Non-polio AFP
- Pending classification
- VDPV

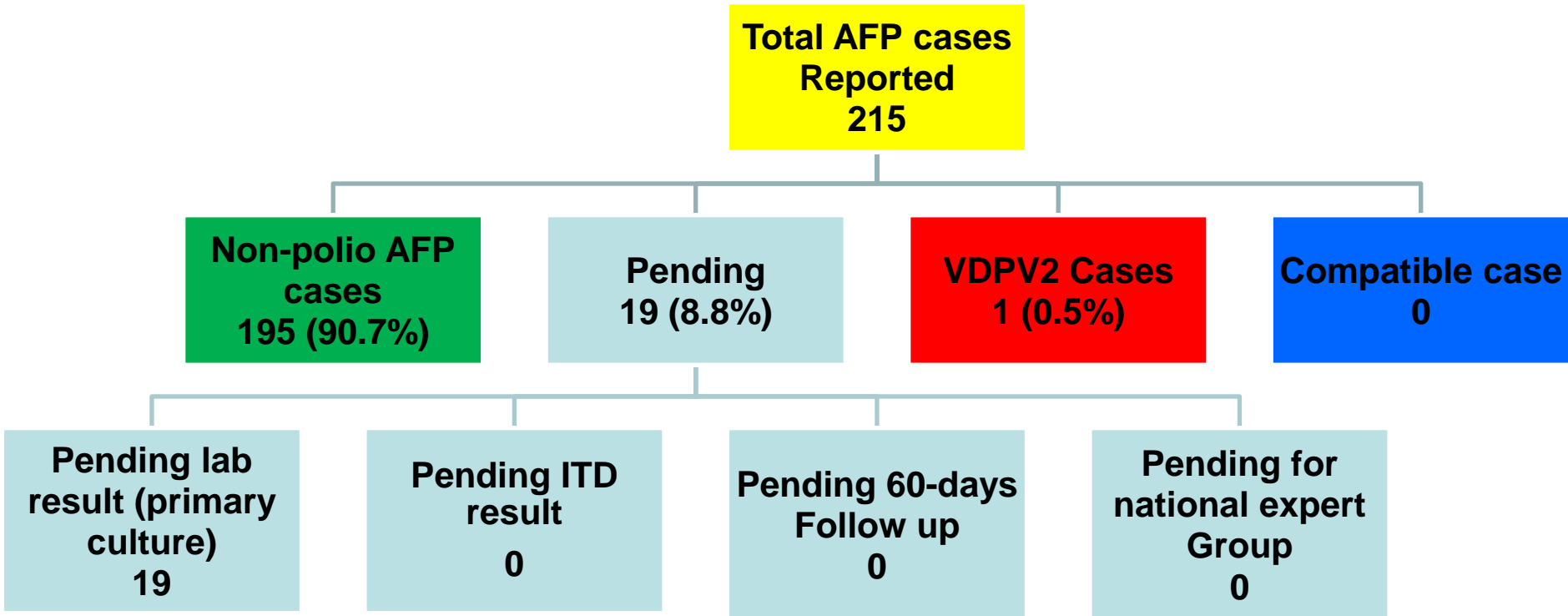
**\*Up to week 25**

**Fig. 1: Total AFP cases  
Sudan, 2008-2012\***



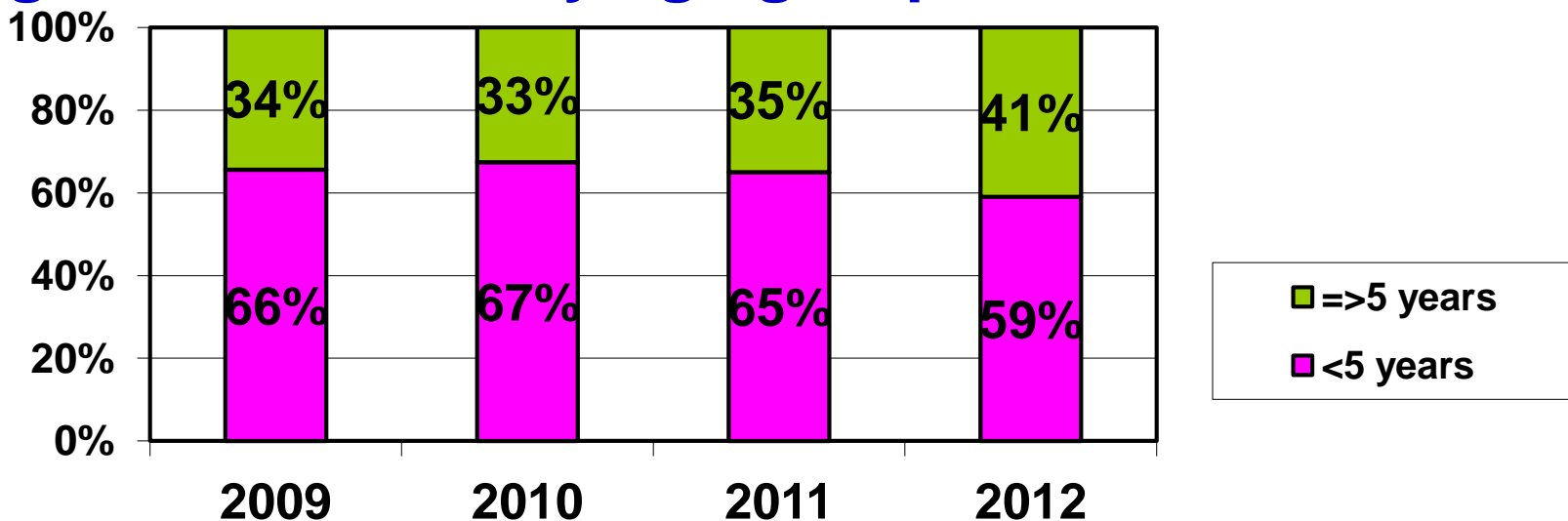
**\*Up to week 25**

**Fig. 2: Total AFP cases by classification, Sudan, 2012\***



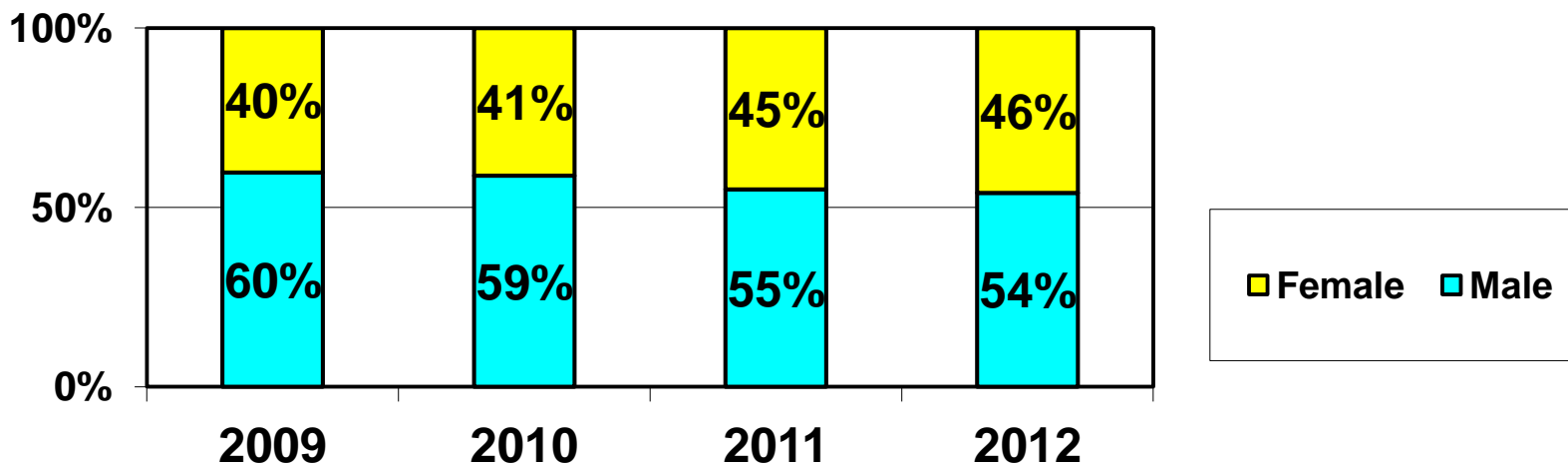
**\*Up to week 25**

### Fig. 3: AFP cases by age group, 2009 – 2012\*



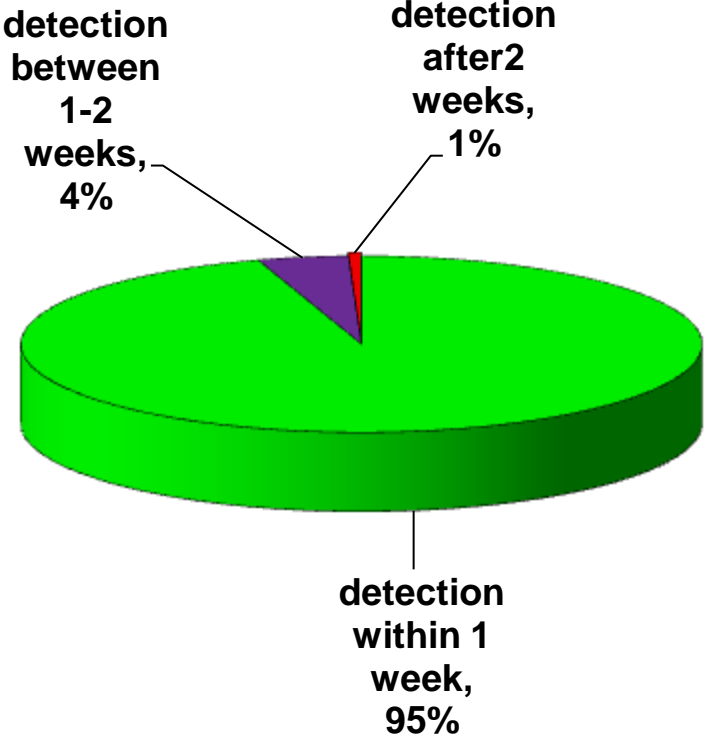
\*Up to week 25

### Fig. 4: AFP cases by sex 2009 – 2012\*



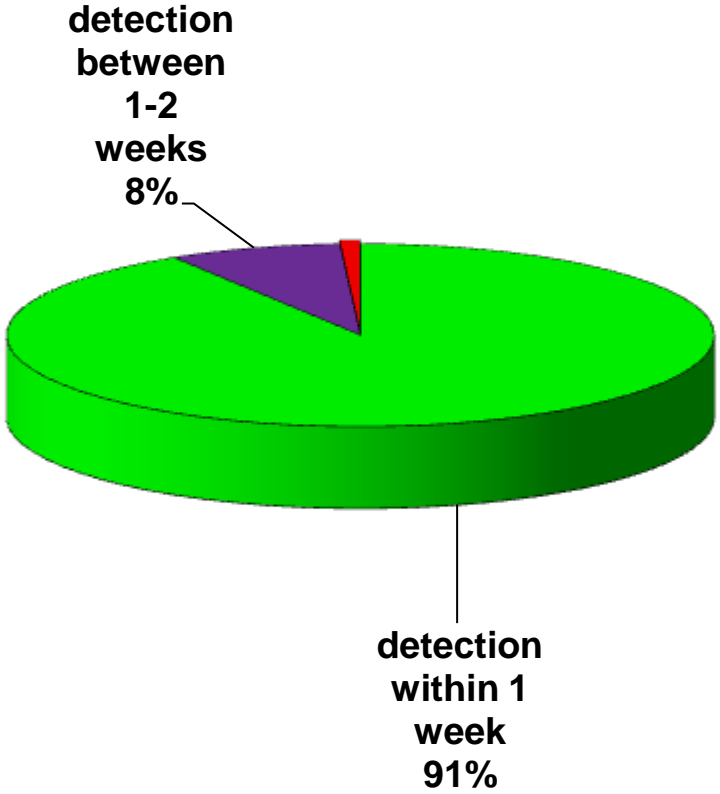
**Fig. 5: Percent distribution of AFP cases by time of detection, 2011\***

**N = 162 AFP cases**



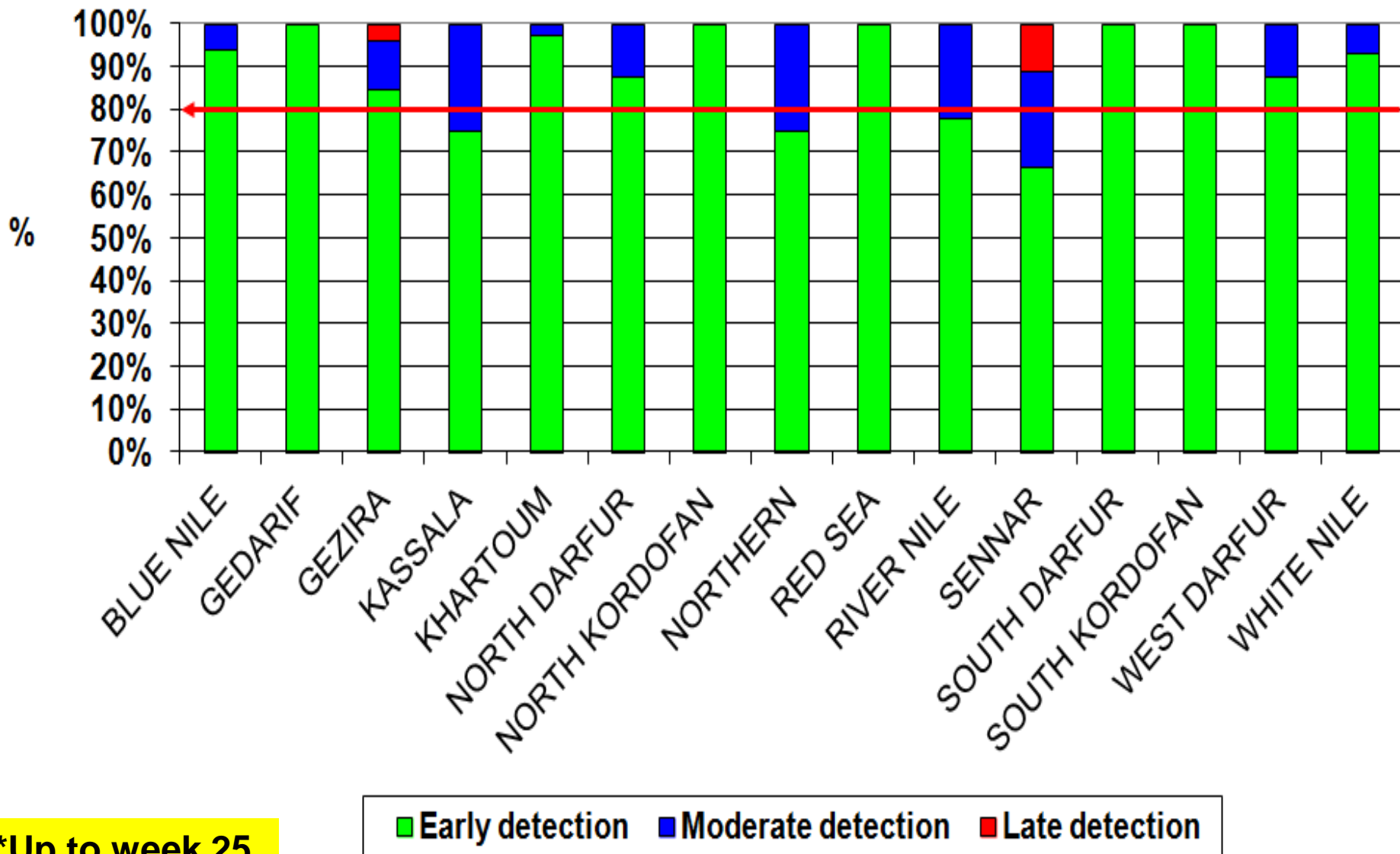
**Fig. 6: Percent distribution of AFP cases by time of detection, 2012\***

**N = 215 AFP cases**



**\*Up to week 25**

**Fig. 7: Percent distribution of AFP cases according to the timeliness of detection by states, 2012\***

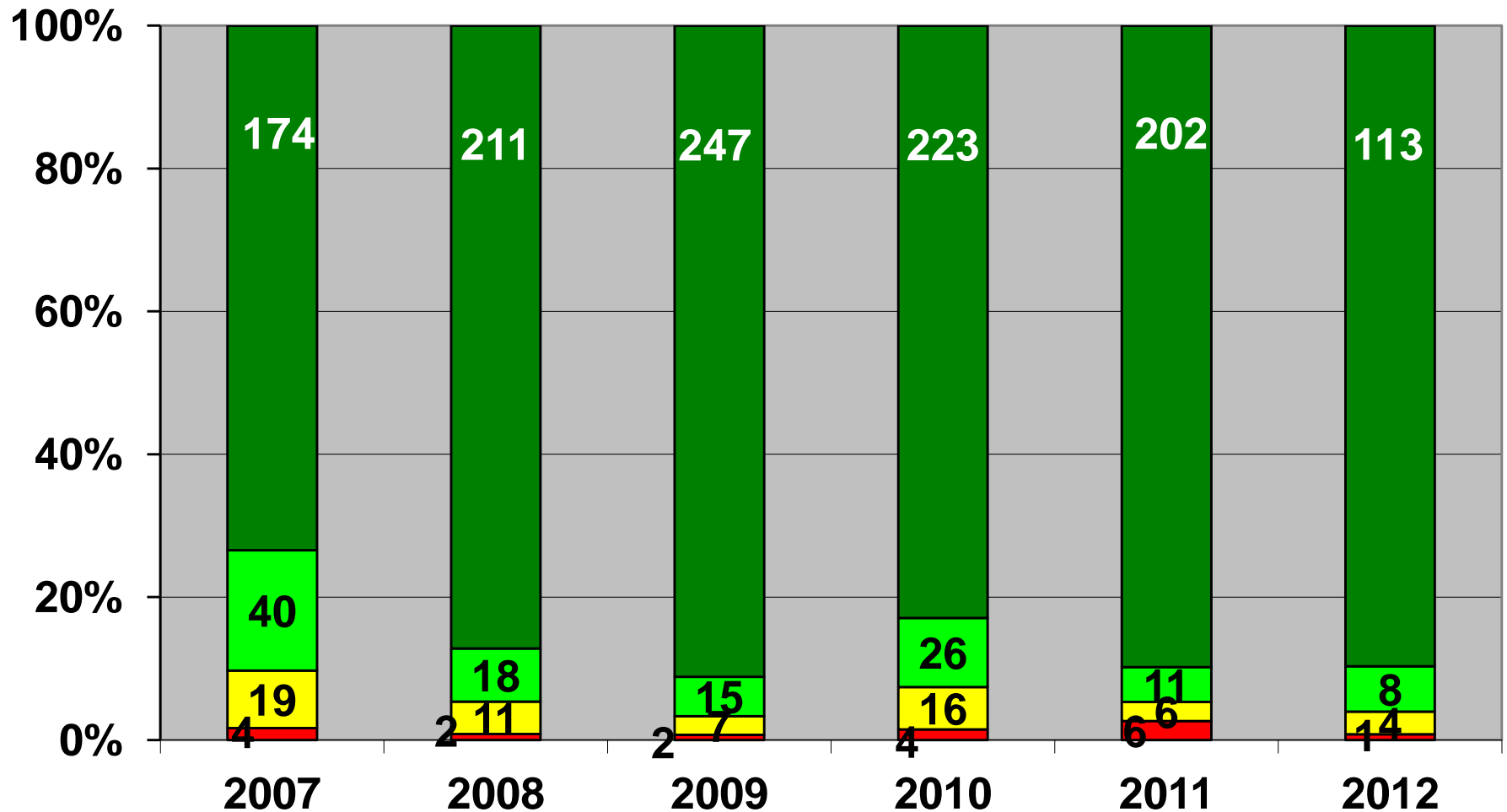


# Table 1. Major AFP surveillance performance indicators, up to week 25, 2012

| State        | U 15 yrs population | Total reported AFP cases | Non-polio AFP cases | Pending classification | VDPV     | Compatible cases | % Adequate stools | Annualized AFP rate | % NPEV     |
|--------------|---------------------|--------------------------|---------------------|------------------------|----------|------------------|-------------------|---------------------|------------|
| B. Nile      | 551,519             | 16                       | 14                  | 2                      | 0        | 0                | 94%               | 6.0                 | 13%        |
| Gedarif      | 887,810             | 10                       | 10                  | 0                      | 0        | 0                | 90%               | 2.3                 | 10%        |
| Gezira       | 1,974,675           | 26                       | 25                  | 1                      | 0        | 0                | 96%               | 2.7                 | 24%        |
| Kasala       | 857,183             | 8                        | 8                   | 0                      | 0        | 0                | 100%              | 1.9                 | 13%        |
| Khartoum     | 2,489,151           | 39                       | 33                  | 6                      | 0        | 0                | 100%              | 3.3                 | 10%        |
| N.Darf       | 890,317             | 16                       | 16                  | 0                      | 0        | 0                | 100%              | 3.7                 | 13%        |
| N.Kord       | 1,281,448           | 15                       | 15                  | 0                      | 0        | 0                | 93%               | 2.4                 | 13%        |
| Northern     | 271,479             | 4                        | 4                   | 0                      | 0        | 0                | 75%               | 3.1                 | 25%        |
| Red Sea      | 331,008             | 9                        | 9                   | 0                      | 0        | 0                | 100%              | 5.7                 | 11%        |
| River Nile   | 470,091             | 9                        | 8                   | 1                      | 0        | 0                | 100%              | 4.0                 | 11%        |
| Sennar       | 735,588             | 9                        | 9                   | 0                      | 0        | 0                | 89%               | 2.5                 | 22%        |
| S.Darfur     | 1,806,686           | 14                       | 12                  | 1                      | 1        | 0                | 93%               | 1.6                 | 8%         |
| S. Kord      | 974,048             | 10                       | 8                   | 2                      | 0        | 0                | 100%              | 2.1                 | 0%         |
| W.Darfur     | 971,638             | 16                       | 15                  | 1                      | 0        | 0                | 100%              | 3.4                 | 25%        |
| W. Nile      | 855,181             | 14                       | 9                   | 5                      | 0        | 0                | 100%              | 3.4                 | 14%        |
| <b>Total</b> | <b>15,347,822</b>   | <b>215</b>               | <b>195</b>          | <b>19</b>              | <b>1</b> | <b>0</b>         | <b>97%</b>        | <b>2.9</b>          | <b>15%</b> |



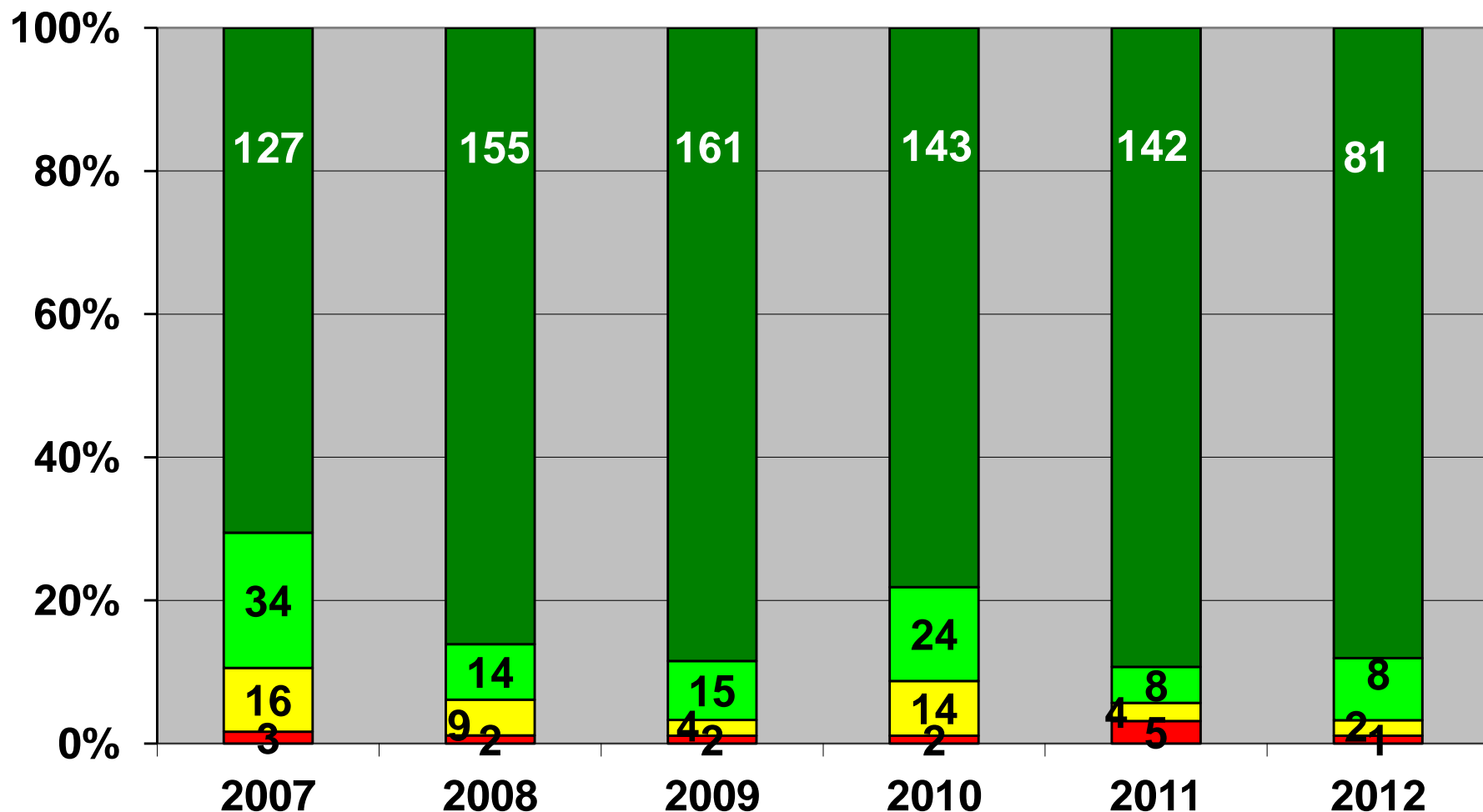
**Fig. 8: Percent distribution of AFP cases 6-59 months by number of OPV doses, 2007-2012\***



■ 0 OPV doses    ■ '1-3 OPV doses    ■ '4-6 OPV doses    ■ 7+ OPV doses

\*Up to week 25

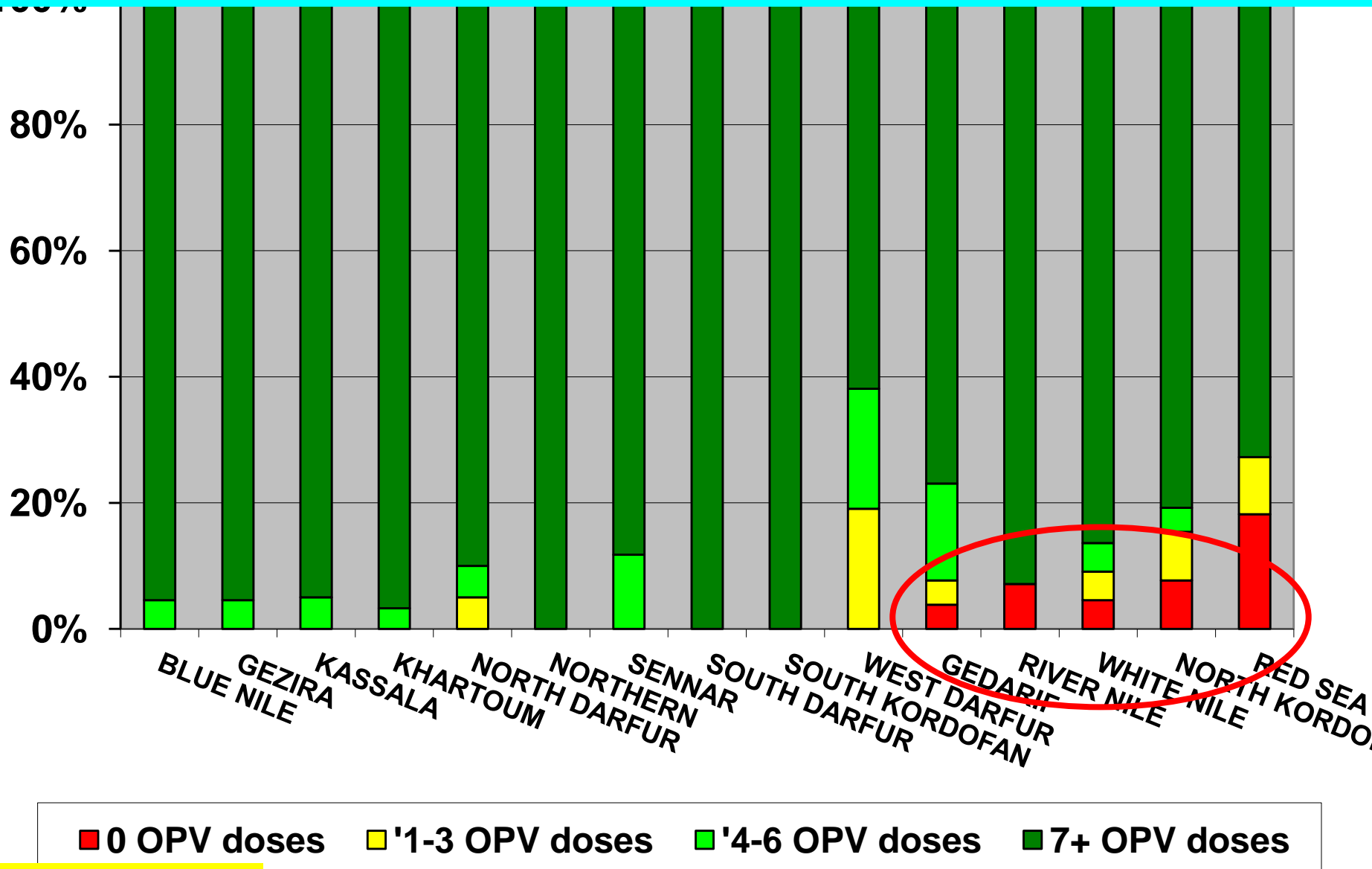
**Fig. 9: No. & percent distribution of AFP cases 6-36 months by number of OPV doses, 2007-2012\***



■ 0 OPV doses   
 ■ '1-3 OPV doses   
 ■ '4-6 OPV doses   
 ■ 7+ OPV doses

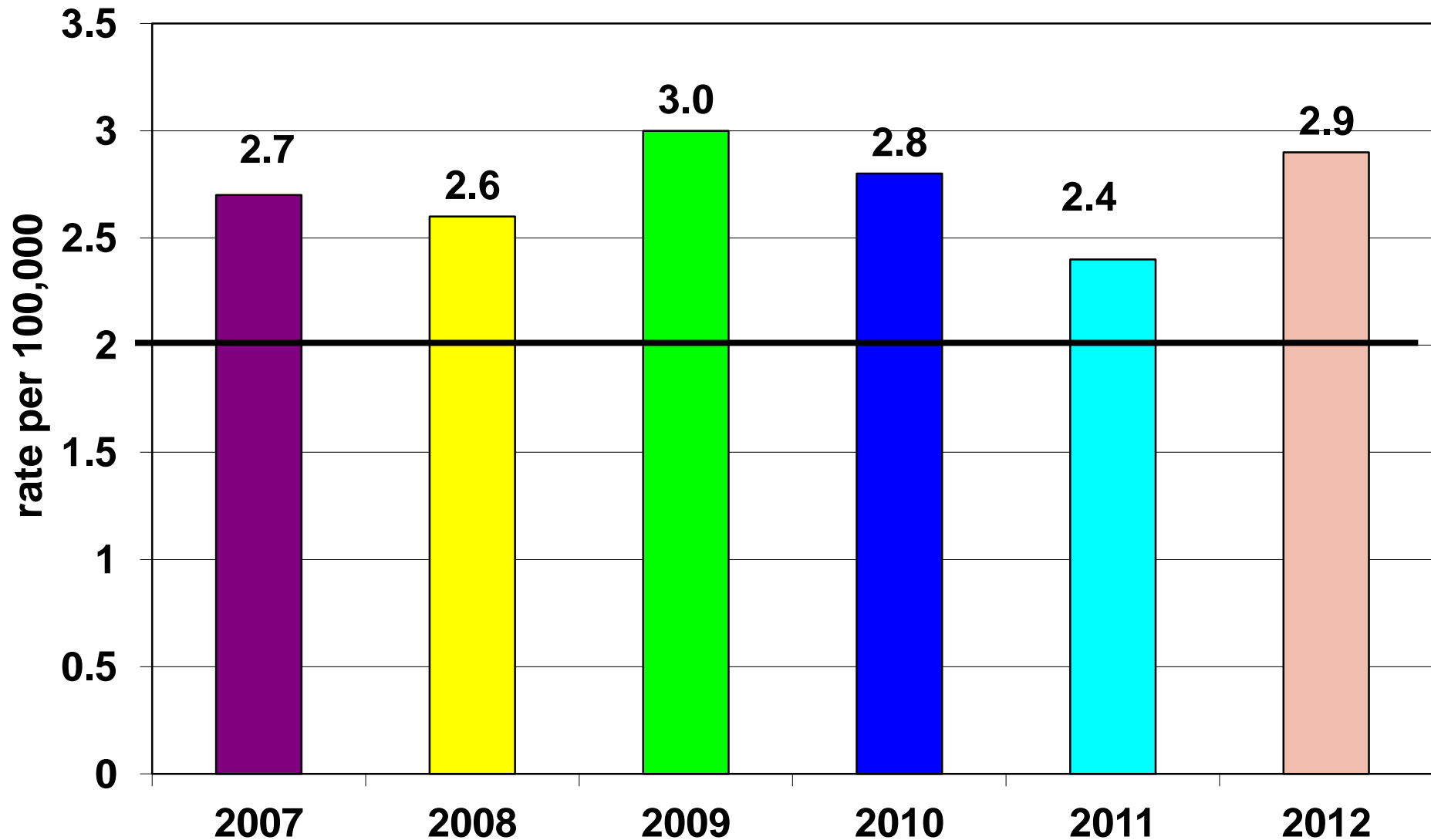
**\*Up to week 25**

# Fig. 10: Percent distribution of AFP cases 6-59 months by number of OPV doses and states, 2011-2012\*



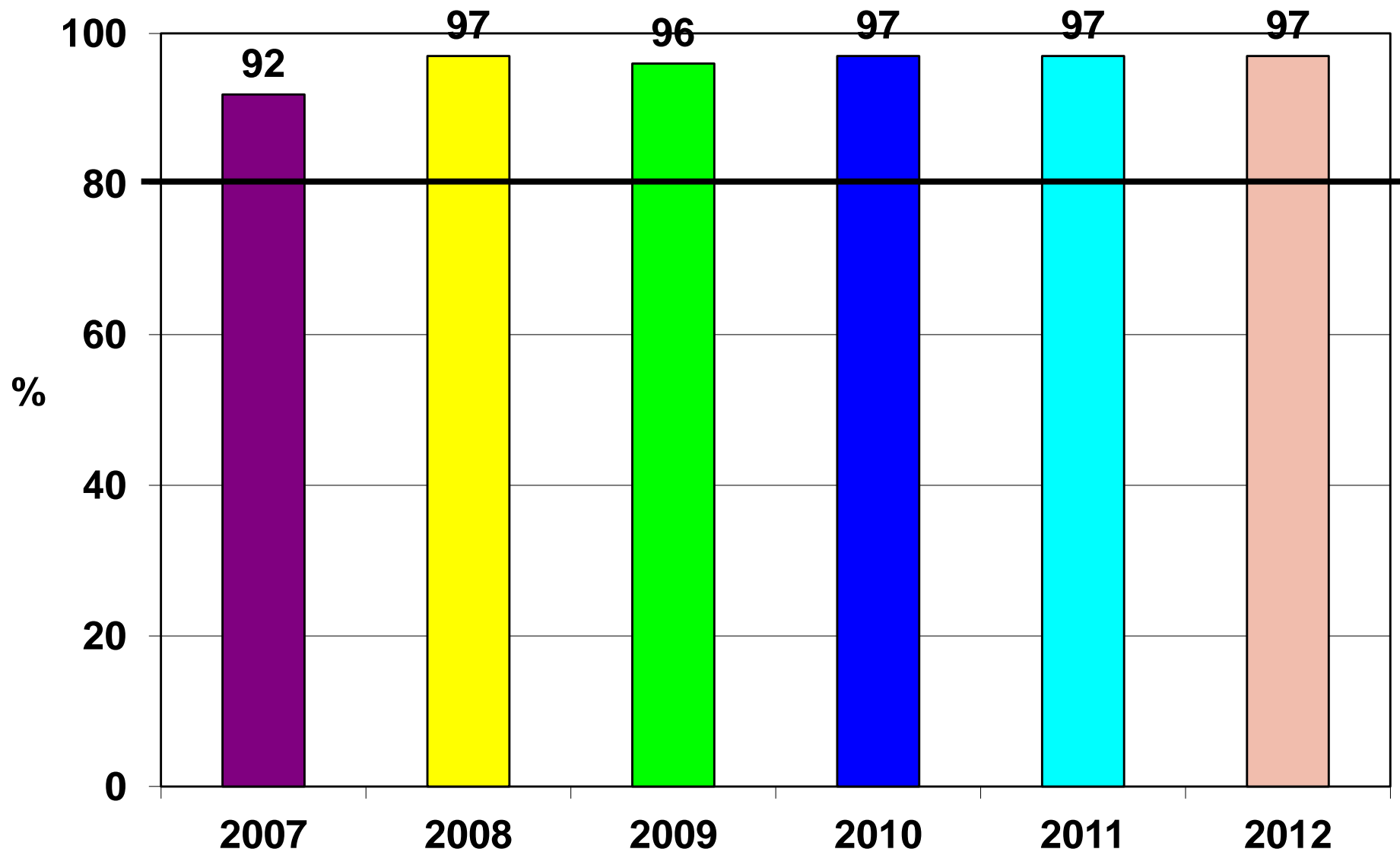
\*Up to week 25

**Fig. 11: Non-Polio AFP rate per 100,000 children under 15 years of age, 2007 – 2012\***



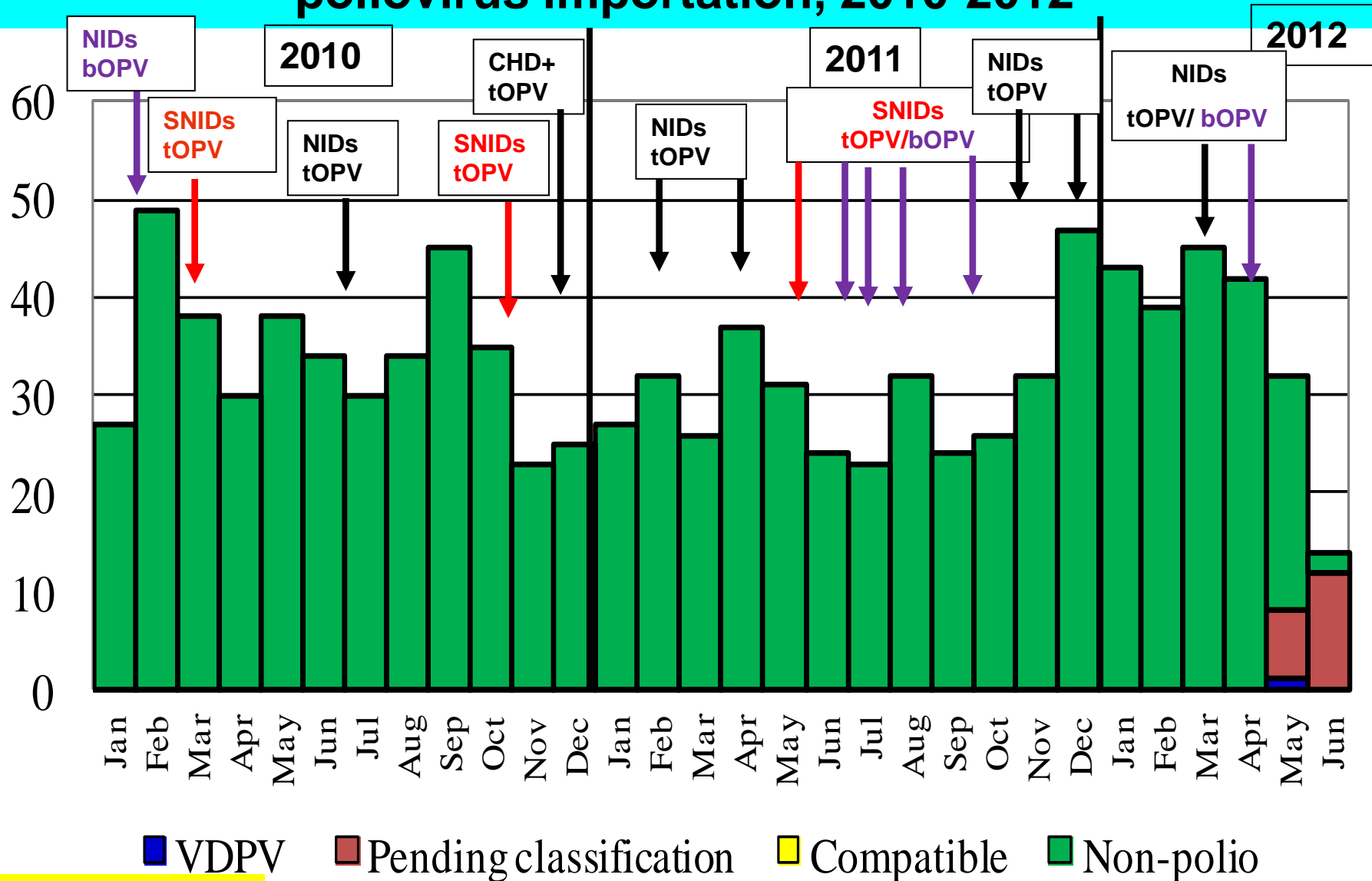
**\*Up to week 25**

**Fig. 12: Adequate stool collection rate, 2007 – 2012\***



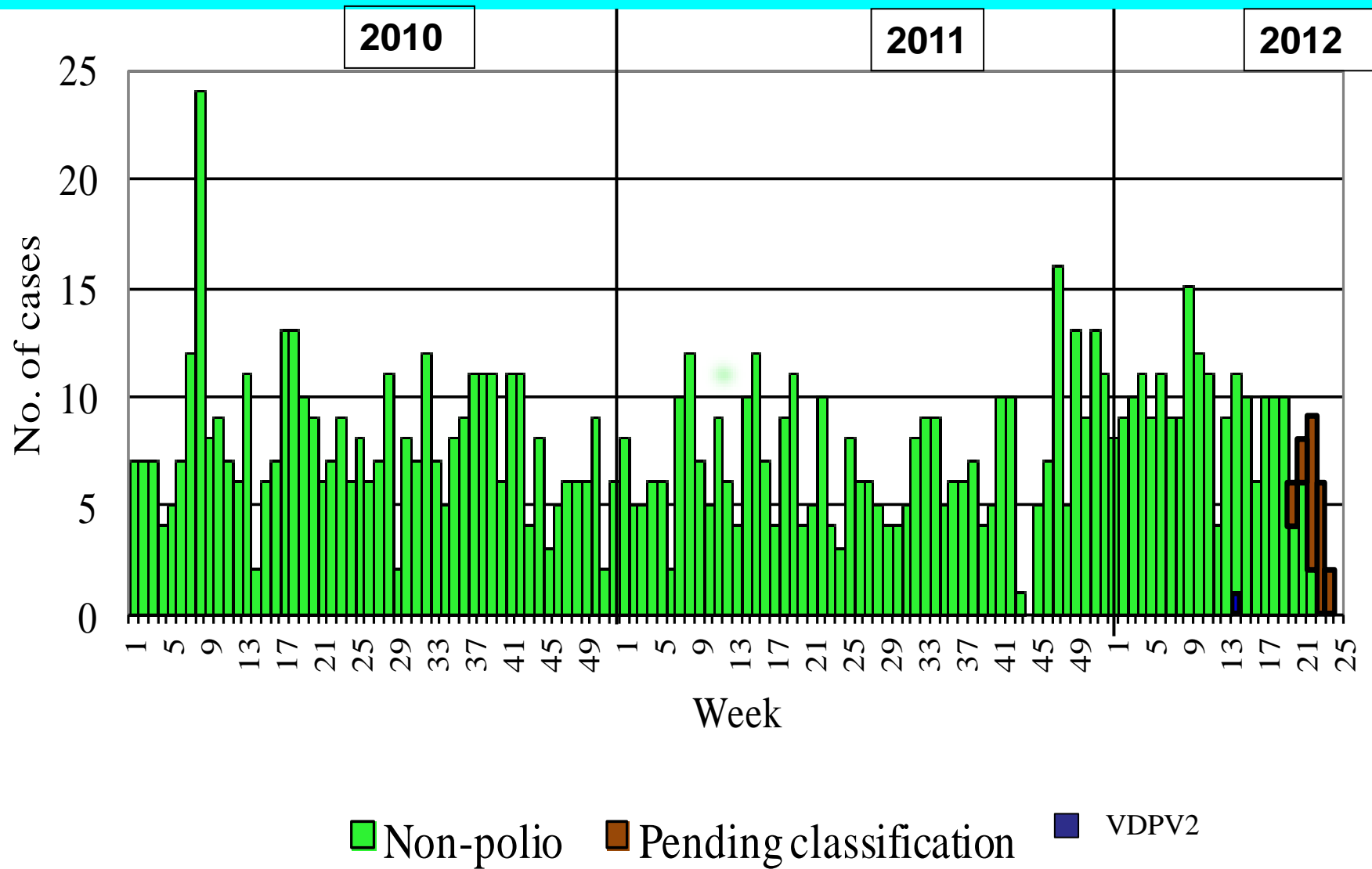
**\*Up to week 25**

# Fig 13. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012\*



\*Up to week 25

**Fig 14. Distribution of polio and non-polio AFP Cases by classification, month of onset & SIA response to the poliovirus importation, 2010-2012\***

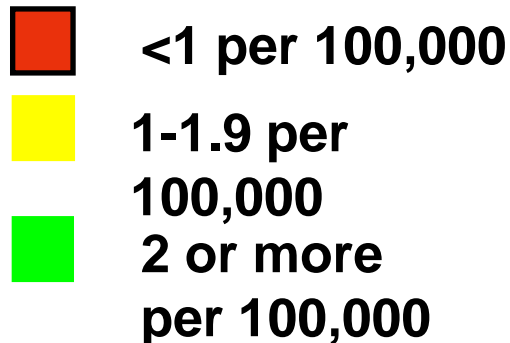


**\*Up to week 25**

**Map 3. Non-polio AFP rate by state, 2011 up to W25**



**Map 4. Annualized Non-polio AFP rate by state, 2012 up to W25**





**Map 5. Percent distribution of AFP cases having adequate stool samples by states, 2011 up to W25**



**Map 6. Percent distribution of AFP cases having adequate stool samples by state, 2012 up to W25**



■ <60%
 ■ 60% - 79%
 ■ 80% - 100%

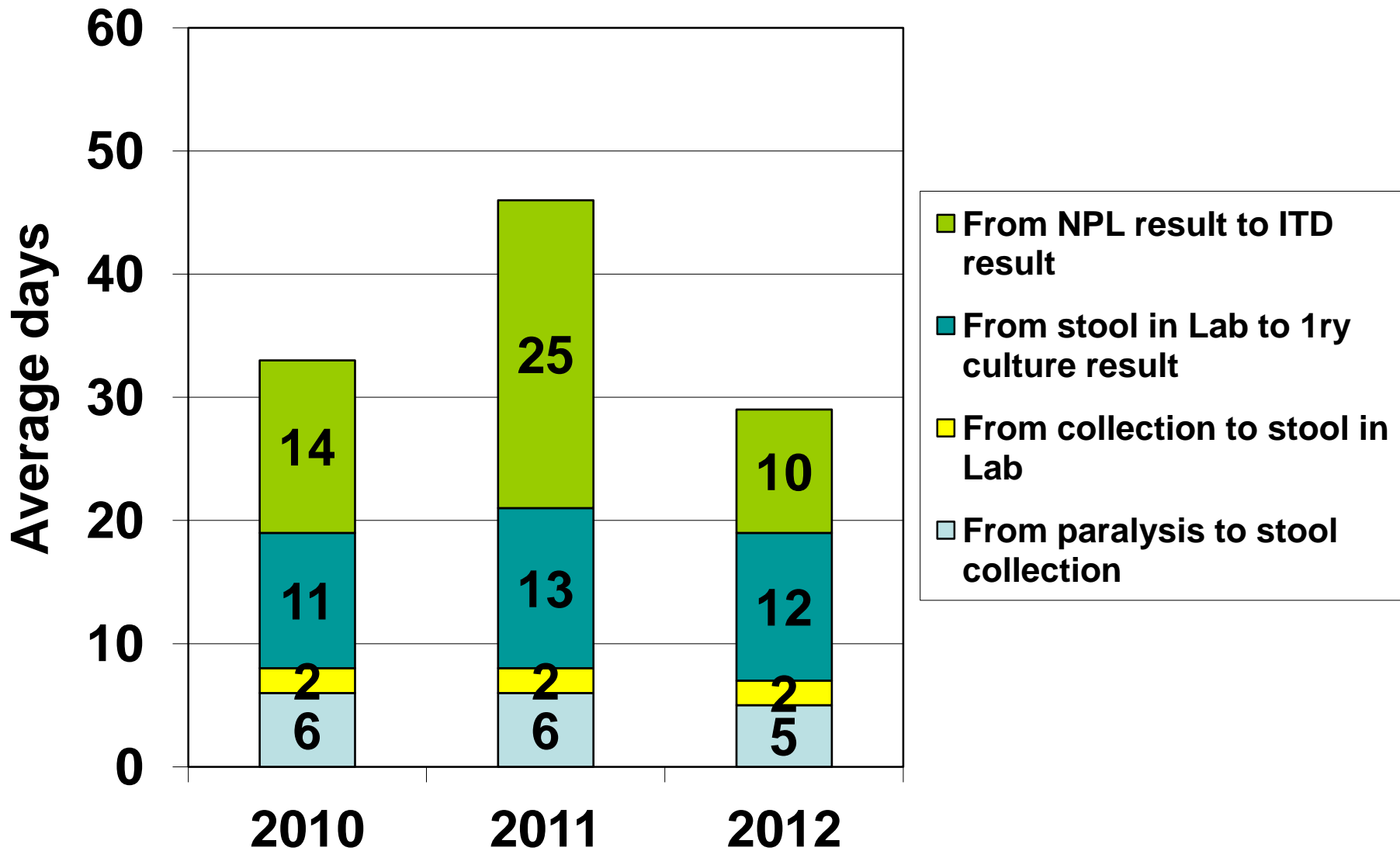
**Table 2. National polio lab performance indicators 2010-2012 up to week 25**

| Indicator   | 2010    | 2011    | 2012    |
|---|---------|---------|---------|
| AFP cases with samples tested in NPL  | 200     | 162     | 214     |
| Cases with VDPV2  | 0       | 0       | 1       |
| Cases with non-polio enterovirus  | 9%      | 14%     | 15%     |
| SL viruses No. & (%) from AFP cases   | 1(0.5%) | 4(2.7%) | 3(1.5%) |
| Median days from the time of samples received in the lab to primary culture report or L20B result | 121days | 12 days | 12days  |
| Number of samples from the AFP contacts tested in the NPL   | 106     | 95      | 167     |
| Contacts with non-polio enterovirus   | 8.5%    | 10.5%   | 13%     |
| Sabin like viruses No. & (%) from contacts  | 0       | 5(5.3%) | 1(0.8%) |
| Wild polioviruses from contacts   | 0       | 0       | 0       |

## Table 3. Polio lab performance 2010 - 2012

| Week of onset      | Total AFP Cases with samples | AFP Cases under process | L20B +ve pending ITD | Negative cases | NPEV positive | % NPEV | Result reported within 14 days | Arrival within 3 days of being collected from the 2 <sup>nd</sup> sample | Arrival within 3 days of being sent from the 2 <sup>nd</sup> sample |
|--------------------|------------------------------|-------------------------|----------------------|----------------|---------------|--------|--------------------------------|--|---|
| 2010 up to week 25 | 200                          | 10                      | 0                    | 172            | 18            | 9%     | 90%                            | 88%  | 99%   |
| 2011 up to week 25 | 162                          | 7                       | 2                    | 131            | 22            | 14%    | 82%                            | 82%  | 100%  |
| 2012 up to week 25 | 214                          | 19                      | 0                    | 165            | 30            | 15%    | 97%                            | 85.6%  | 99%   |

# Fig. 16: AFP Specimens' median timeliness NPL 2010-2012\*



\*Up to week 25