



**Non-Polio AFP Rates
2005**

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**Non-Polio AFP Rates
2006 (annualized)**

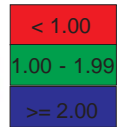


Table 1: Reported AFP cases against targets by State/Division and classification status of cases with onset in 2005 and 2006 (date as of 23/04/2006)

State & Division	Population <15 years	Minimum non-polio AFP target	2006 (Onset)								2005							
			Case Classification								Case Classification							
			AFP		Polio			Pending			AFP		Polio			Pending		
			AFP Cases	Discarded (Non-polio AFP)	Confirmed Polio	Wild Poliovirus Cases	Compatible	Total	>90 Days	AFP Cases	Discarded (Non-polio AFP)	Confirmed Polio	Wild Poliovirus Cases	Compatible	Total	>90 Days		
Ayeyarw ady	2654716	53	12	11	0	0	0	1	0	34	34	0	0	0	0			
Bago East	1102191	22	9	8	0	0	0	1	0	14	14	0	0	0	0			
Bago West	895691	18	5	3	0	0	0	2	0	28	28	0	0	0	0			
Chin	188406	4	2	2	0	0	0	0	0	2	2	0	0	0	0			
Kachin	497207	10	1	1	0	0	0	0	0	8	8	0	0	0	0			
Kayah	103209	2	2	2	0	0	0	0	0	3	3	0	0	0	0			
Kayin	590108	12	5	5	0	0	0	0	0	11	11	0	0	0	0			
Magw ay	1778969	36	3	3	0	0	0	0	0	35	35	0	0	0	0			
Mandalay	2652116	53	6	6	0	0	0	0	0	42	42	0	0	0	0			
Mon	974316	19	2	2	0	0	0	0	0	13	13	0	0	0	0			
Rakhine	1074576	21	6	4	0	0	0	2	0	21	21	0	0	0	0			
Sagaing	2066461	41	8	7	0	0	0	1	0	43	43	0	0	0	0			
Shan East	298619	6	3	3	0	0	0	0	0	3	3	0	0	0	0			
Shan North	863238	17	2	2	0	0	0	0	0	10	10	0	0	0	0			
Shan South	736767	15	2	2	0	0	0	0	0	8	8	0	0	0	0			
Tanintharyi	528779	11	1	1	0	0	0	0	0	8	8	0	0	0	0			
Yangon	2240009	45	19	18	0	0	0	1	0	57	57	0	0	0	0			
TOTAL	19245381	385	88	80	0	0	0	8	0	340	340	0	0	0	0			

Table 2: Selected Performance Indicators by State/Division for cases with onset in 2005 and 2006 (data as of 23/04/2006)

State & Division	2006 (onset)								2005							
	Surveillance Indicators				Surveillance Indicators				Surveillance Indicators				Surveillance Indicators			
	Annualized AFP Rates		Specimen		% AFP investigated within 48 hrs.	% AFP cases with 60 days F follow-up	% Weekly zero reports received	% Weekly zero reports received on Time	AFP Rates		Specimen		% AFP investigated within 48 hrs.	% AFP cases with 60 days Follow-up	% Weekly zero reports received	% Weekly zero reports received on Time
	AFP rate	Non-polio AFP rate	% within 2 spec., within 14 days	% with any specimen					AFP rate	Non-polio AFP rate	% within 2 spec., within 14 days	% with any specimen				
TARGET		1	80	80	80	80	80		1	80	80	80	80	80	80	
Ayeyarw ady	1.57	1.44	100	100	92	60	100	97	1.31	1.31	100	100	91	97	100	99
Bago East	2.83	2.52	100	100	100	0	100	99	1.30	1.30	93	100	100	93	100	96
Bago West	1.94	1.16	100	100	100	50	100	100	3.19	3.19	86	100	100	100	100	98
Chin	3.68	3.68	100	100	100	0	100	89	1.08	1.08	100	100	100	100	100	92
Kachin	0.70	0.70	100	100	100	100	100	89	1.64	1.64	100	100	100	88	100	82
Kayah	6.72	6.72	100	100	100	100	100	95	2.97	2.97	67	100	100	100	100	97
Kayin	2.94	2.94	80	100	100	50	100	100	1.90	1.90	91	100	100	100	100	100
Magw ay	0.58	0.58	100	100	100	0	100	100	2.01	2.01	97	100	100	100	100	98
Mandalay	0.78	0.78	100	100	100	0	100	100	1.62	1.62	95	100	100	95	100	100
Mon	0.71	0.71	100	100	100	0	100	100	1.36	1.36	92	100	100	100	100	100
Rakhine	1.94	1.29	100	100	100	0	100	85	1.99	1.99	95	100	95	95	100	96
Sagaing	1.34	1.17	100	100	100	67	100	94	2.12	2.12	100	100	100	100	100	88
Shan East	3.48	3.48	100	100	100	100	100	95	1.02	1.02	100	100	100	100	100	93
Shan North	0.80	0.80	100	100	100	0	100	100	1.18	1.18	90	100	100	100	100	96
Shan South	0.94	0.94	100	100	100	0	100	100	1.11	1.11	88	100	100	88	100	86
Tanintharyi	0.66	0.66	100	100	100	0	100	84	1.54	1.54	100	100	88	88	100	85
Yangon	2.94	2.63	95	100	100	100	100	100	2.60	2.60	98	100	82	98	100	100
TOTAL	1.59	1.42	98	100	99	66	100	97	1.80	1.80	96	100	96	97	100	95

Table 3: AFP cases by month of paralysis onset, last 13 months

State/Division	2004 Total AFP	2005 Total AFP	2006 AFP to date	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06
Ayeyarwady	39	34	12	1	1	2	2	2	4	7	4	1	2	5	1	6
Bago East	15	14	9	2	0	3	2	0	1	4	1	0	0	0	5	4
Bago West	15	28	5	1	0	0	0	5	2	12	4	2	1	2	2	1
Chin	2	2	2	0	0	0	1	1	0	0	0	0	0	1	0	1
Kachin	6	8	1	0	0	0	1	3	1	1	0	0	1	1	0	0
Kayah	2	3	2	0	0	1	0	0	0	0	1	0	1	1	1	0
Kayin	7	11	5	1	2	0	0	1	3	1	1	1	0	4	1	0
Magway	24	35	3	1	2	1	2	5	6	6	5	3	0	0	1	2
Mandalay	37	42	6	1	1	0	1	3	6	16	5	5	1	1	2	3
Mon	16	13	2	0	1	0	3	2	2	1	3	1	0	1	0	1
Rakhine	20	21	6	2	0	0	0	0	1	7	4	6	1	0	2	4
Sagaing	34	43	8	1	0	2	5	4	12	7	7	4	0	3	3	2
Shan East	5	3	3	0	0	0	1	0	0	1	1	0	0	1	1	1
Shan North	8	10	2	0	0	0	0	1	1	2	1	3	1	1	0	1
Shan South	7	8	2	2	0	0	1	0	2	0	1	1	1	1	0	1
Tanintharyi	12	8	1	0	0	0	0	1	3	2	1	1	0	0	0	1
Yangon	22	57	19	0	2	3	3	1	8	14	7	11	5	8	6	5
Total	271	340	88	12	9	12	22	29	52	81	46	39	14	30	25	33

Table 4: Stool processing and Laboratory performance indicators for cases with onset in 2005 & 2006, data as of 31/03/2006

	Target	Achievement	
		2005	2006
% Specimens arriving at the Lab within 3 days after being sent	80	98	78
% Specimens arriving in the Lab in good condition	90	100	100
% Specimens with a turn-around time of 28 days or less	80	85	100
% Specimens for which non-polio enterovirus was isolated	10	12	15
% Polio-positive specimens forwarded to Ref Lab within 14 days after isolation	80	100	100

Table 5: Laboratory Results, as reported by NHL between 1/1/2006 to 31/3/2006

State/Division	Township	EPID number	Date Onset	Date Stool sent	Stool Condition	Date Report by NHL	Stool 1 Result	Stool 2 Result
KACHIN	MYITKYINA	MMR011506001	03/01/2006	08/01/2006	Good	30/01/2006	NPEV	NPEV
KAYIN	MYAWADDY	MMR030406001	13/01/2006	28/01/2006	Good	13/02/2006	NPEV	NPEV
SAGAING	DEBAYIN	MMR051706001	02/02/2006	06/02/2006	Good	27/02/2006	NPEV	NEGATIVE
SAGAING	INDAW	MMR053806001	20/02/2006	27/02/2006	Good	15/03/2006	NPEV	NPEV
BAGO(EAST)	KYAUUKKYI	MMR070306002	01/03/2006	14/03/2006	Good	03/04/2006	NPEV	NPEV
BAGO(EAST)	DAIKU	MMR070906001	12/02/2006	20/02/2006	Good	08/03/2006	NPEV	NPEV
MAGWAY	SALIN	MMR080506001	03/03/2006	11/03/2006	Good	28/03/2006	NPEV	NPEV
MAGWAY	YENANGYAUNG	MMR082406001	19/02/2006	26/02/2006	Good	14/03/2006	NPEV	NPEV
MANDALAY	KYAUKPADAUUNG	MMR090206001	24/02/2006	09/03/2006	Good	28/03/2006	NPEV	NPEV
YANGON	MINGALADON	MMR121706002	03/03/2006	09/03/2006	Good	28/03/2006	NPEV	NPEV
YANGON	NORTH OKKALAPA	MMR121906001	18/01/2006	26/01/2006	Good	13/02/2006	NPEV	NPEV
SHAN(SOUTH)	PEKON	MMR132406001	29/01/2006	13/02/2006	Good	01/03/2006	NPEV	NPEV
AYEYARWADY	PATHEIN - WEST	MMR141106002	07/03/2006	14/03/2006	Good	30/03/2006	NPEV	NPEV

N.B. If stool condition is good and laboratory finding is negative, it will not be shown in the table.

Table 6: Results of Intra-Typic Differentiation by NIH/Bangkok, 2005

State/Division	Township	IDCODE	Onset Date	Stool Condition	Stool 1	Stool 2
SHAN(SOUTH)	MONGKUNG	MMR132905002	30/12/2005	Good	P2(SL)	P2(SL)

Note: P1, P2, P3 indicates Polio Serotype 1, 2, 3 respectively; "W" indicates "Wild Virus"; "S" indicates "Sabin (=Vaccine) Virus"

This year we will start providing feedback on all vaccine preventable diseases. Cases Definitions are below.....

Table 7: Other Vaccine Preventable Diseases & AEFI for the month of January to March 2006

State/ Division	NNT Cases (Deaths)			NNT Case Investigation			Diphtheria Cases (Deaths)			Pertussis Cases (Deaths)			Measles						AEFI Cases (Deaths)					
	Old	New	Total	Old	New	Total	Old	New	Total	Old	New	Total	Outbreaks		Cases (Deaths)		Total		Old	New	Total			
													No. (investigated)	Total	Old	New	Old	New				Old	New	Old
Ayeyarwady	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bago East	0	1(0)	1(0)	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bago West	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5(0)	5(0)	0	0	5(0)	0	0	0		
Chin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kachin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kayah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kayin	0	3(0)	3(0)	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1(0)	1(0)	0	0	
Magway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mandalay	0	1(1)	1(1)	0	1	1	0	0	0	0	0	0	1	1	6(0)	6(0)	0	2(0)	2(0)	0	8(0)	8(0)	0	2(2)
Mon	0	0	0	0	0	0	0	0	0	0	0	0	1	1	12(0)	12(0)	0	22(0)	22(0)	0	34(0)	34(0)	0	0
Rakhine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagaing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shan North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shan East	0	1(0)	1(0)	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shan South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanintharyi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yangon	0	1(1)	1(1)	0	1	1	0	0	0	0	0	0	2	2	37(0)	37(0)	0	6(0)	6(0)	0	43(0)	43(0)	0	1(1)
Total	0	7(2)	7(2)	0	7	7	0	0	0	0	0	0	5	5	60(0)	60(0)	0	31(0)	31(0)	0	91(0)	91(0)	0	3(3)

Remarks:

- Old > Cumulative cases for the previous months
- New > New cases for the current month

Cases Definition:

- Neonatal tetanus** > **Suspected case:** Any neonatal death between 3 and 28 days of age in which the cause of death is unknown; **or** Any neonate reported as having suffered from neonatal tetanus between 3 and 28 days of age and not investigated.
- Confirmed case:** Any neonate with normal ability to suck and during the first 2 days of life **and**
 - who, between 3 and 28 days of age, cannot suck normally **and**
 - becomes stiff or has spasms (i.e. jerking of the muscles)
- Diphtheria** > An illness characterized by laryngitis **or** pharyngitis **or** tonsillitis, **and** an adherent membrane of the tonsils, pharynx and/or nose.
- Pertussis (Whooping cough)** > A case diagnosed as pertussis by a physician **or** a person with a cough lasting at least two weeks with at least one of the following symptoms:
 - Paroxysms (i.e. fits) of coughing.
 - Inspiratory whooping.
 - Post-tussive vomiting (i.e. vomiting immediately after coughing) without other apparent cause.
- Measles** > Any person in whom a clinician suspects measles infection, **or** Any person with fever **and** maculopapular rash (i.e. non-vesicular) **and** cough, coryza (i.e. runny nose) or conjunctivitis (i.e. red eyes).

RED STRATEGY

RED means “reaching every district” but in Myanmar we may replace districts with township.

WHO, UNICEF, CDC, CVP/PATH & USAID have developed a strategy specifically aimed to overcome the most common barriers to improving access to immunization services. The strategy aims to achieve sustainable & equitable access to quality immunization service for every infant.

The RED strategy has followed five operation components:-

- **Re-establishment of outreach services**
- **Supportive supervision**
- **Community links with service delivery**
- **Monitoring and use of data for action**
- **Planning and management of resources**

The key to improving immunization services is a township health plan, which aims to improve immunization sessions to reach every infant and woman in the township.

The main goal of RED strategy is to increase coverage & decrease drop out.

Most important thing is to develop a high quantity township work plan.

They are:-

❖ **Initial planning by district**

Township staff make an operational map of the township to provide sessions to reach the whole population.

❖ **Joint planning by township & health facility staff**

A meeting is held & make:-

Staffs from township and health facilities make individual maps and session plan.

Workouts together so that township and health facilities plan coincide.

Every session works its own plan.

Finally consolidate into a single township plan.

❖ **Improving work-plans using RED framework**

Main aim is township plan reach every infant

Following steps are performed:-

Quantitative analysis of district data to set priority

Quantitative analysis to identify problem using RED framework

Corrective activities according to priority set is step (1)

Update work plan to include identified activities

❖ **Reviewing progress and repeating the cycle**

Township & health facilities staffs meet regularly to review progress and make changes to the work plan if needed.

