

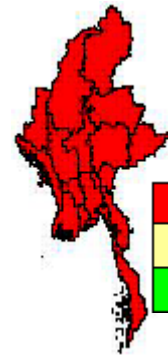


**Non-Polio AFP Rates
2004**

Myanmar Polio Newsletter

Volume 6, Issue 1
January 2005

Tel: +95 -1- 380040 (CEU)
Tel: +95 -1- 371790 (EPI)
Tel: + 95 -1- 726994 (WHO)
Fax: + 95 -1 - 379008, 380040



**Non-Polio AFP Rates
2005 (annualized)**

0 - 0.49
0.50 - 0.99
1 or above

Table 1: Reported AFP cases against targets by State/Division and classification status of cases with onset in 2004 and 2005 (date as of 09/02/2005)

State / Division	Population 15 years +	2005								2004						
		Min. non-polio AFP target	AFP		Polio		Cases Pending	No. with 2 spec. with 14 days	No. of AFP cases (80 day follow-up done)	AFP		Polio		Cases Pending	No. with 2 spec. with 14 days	No. of AFP cases (80 day follow-up done)
			Non-polio AFP cases	Reported AFP cases	Confirmed Polio	Unk Polio Vtrs				Non-polio AFP cases	Reported AFP cases	Confirmed Polio	Unk Polio Vtrs			
Ayeyarwady	2,507,539	25	0	5	0	0	5	5	0	31	39	0	0	8	33	28
Bago East	1,037,723	10	0	1	0	0	1	1	0	10	15	0	0	5	14	11
Bago West	843,302	8	0	0	0	0	0	0	0	12	15	0	0	3	14	11
Chin	177,552	2	0	0	0	0	0	0	0	1	2	0	0	1	2	1
Kachin	470,511	5	0	0	0	0	0	0	0	6	6	0	0	0	6	6
Kayah	98,392	1	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Kayin	550,777	6	0	0	0	0	0	0	0	6	7	0	0	1	5	6
Magway	1,682,299	17	0	3	0	0	3	2	0	20	24	0	0	4	22	20
Mandalay	2,431,711	24	0	1	0	0	1	1	0	35	37	0	0	2	35	34
Mon	925,486	9	0	0	0	0	0	0	0	14	16	0	0	2	14	14
Rakhine	1,015,001	10	0	0	0	0	0	0	0	18	20	0	0	2	19	17
Sagaing	2,030,002	20	0	0	0	0	0	0	0	31	34	0	0	3	31	28
Shan North	752,217	8	0	0	0	0	0	0	0	7	8	0	0	1	8	3
Shan East	355,514	4	0	0	0	0	0	0	0	4	5	0	0	1	4	6
Shan South	698,050	7	0	0	0	0	0	0	0	7	7	0	0	0	7	7
Tanintharyi	501,582	5	0	0	0	0	0	0	0	11	12	0	0	1	10	11
Yangon	2,056,634	21	0	0	0	0	0	0	0	20	22	0	0	2	20	18
Totals	18,134,292	182	0	10	0	0	10	9	0	235	271	0	0	36	246	223

Table 2: Selected Performance Indicators by State/Division for cases with onset in 2004 and 2005 (data as of 09/02/2005)

State / Division	2005								2004							
	Annualized AFP RATE		Stool Collection		% AFP Investigated with 48 hrs.	% AFP cases with 80 days Follow-up	% Weekly zero reports received	% Weekly zero reports received on Time	Annualized AFP RATE		Stool Collection		% AFP Investigated with 48 hrs.	% AFP cases with 80 days Follow-up	% Weekly zero reports received	% Weekly zero reports received on Time
	Total AFP	Non-Polio	% with 2 spec. with 14 days	% with any specimen					Total AFP	Non-Polio	% with 2 spec. with 14 days	% with any specimen				
TARGET		1	80		80	80	80		1	80		80	80	80	80	
Ayeyarwady	1.73	0.00	100	100	100	0	100	100	1.56	1.24	85	100	97	88	100	94
Bago East	0.84	0.00	100	100	100	0	100	109	1.50	1.00	93	100	100	92	100	99
Bago West	0.00	0.00	0	0	0	0	100	100	1.88	1.50	93	100	93	85	100	100
Chin	0.00	0.00	0	0	0	0	89	78	1.00	0.50	100	100	50	100	100	86
Kachin	0.00	0.00	0	0	0	0	100	79	1.20	1.20	100	100	100	100	98	62
Kayah	0.00	0.00	0	0	0	0	100	97	2.00	2.00	100	100	100	100	96	88
Kayin	0.00	0.00	0	0	0	0	60	60	1.40	1.20	71	100	100	100	100	100
Magway	1.55	0.00	67	100	100	0	40	40	1.50	1.25	92	100	96	100	100	95
Mandalay	0.36	0.00	100	100	100	0	100	100	1.54	1.46	95	100	95	97	100	100
Mon	0.00	0.00	0	0	0	0	100	60	1.78	1.56	88	100	100	100	100	100
Rakhine	0.00	0.00	0	0	0	0	42	40	2.00	1.80	95	100	95	89	100	98
Sagaing	0.00	0.00	0	0	0	0	80	72	1.70	1.55	91	100	97	90	100	87
Shan North	0.00	0.00	0	0	0	0	0	0	1.14	1.00	160	80	100	75	97	95
Shan East	0.00	0.00	0	0	0	0	100	100	1.67	1.33	50	100	100	86	100	95
Shan South	0.00	0.00	0	0	0	0	100	100	1.00	1.00	100	100	86	100	100	73
Tanintharyi	0.00	0.00	0	0	0	0	100	84	2.40	2.20	83	100	92	92	100	82
Yangon	0.00	0.00	0	0	0	0	100	100	1.10	1.00	91	95	95	86	100	96
Totals	0.48	0.00	90	100	100	0	93	89	1.53	1.33	91	99	96	92	99	91

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

State / Division	2003 Total AFP	2004 Total AFP	2004 total AFP Jan	2005 AFP up to date	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05
Ayeyarwady	34	39	1	5	1	1	1	3	0	1	6	5	6	3	5	7	5
Bago East	16	15	0	1	0	0	0	1	0	0	2	1	4	2	0	5	1
Bago West	13	15	0	0	0	1	2	2	0	1	0	3	2	0	2	2	0
Chin	5	2	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Kachin	7	6	0	0	0	0	1	0	0	2	0	1	2	0	0	0	0
Kayah	9	2	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
Kayin	5	7	0	0	0	0	0	0	0	0	1	1	2	2	0	1	0
Magway	24	24	2	3	2	0	1	1	0	2	4	8	1	1	0	4	3
Mandalay	44	37	1	1	1	2	5	1	3	3	6	3	3	5	3	2	1
Mon	11	16	1	0	1	1	1	0	2	0	1	3	2	1	2	2	0
Rakhine	19	20	2	0	2	0	5	0	1	2	4	0	3	0	1	2	0
Sagaing	27	34	5	0	5	4	2	2	5	2	3	1	2	2	3	3	0
Shan North	3	5	0	0	0	0	0	1	0	1	1	0	0	1	0	1	0
Shan East	15	8	0	0	0	0	0	0	1	0	3	2	1	0	0	1	0
Shan South	9	7	0	0	0	0	0	0	1	0	0	3	1	2	0	0	0
Tanintharyi	12	12	1	0	1	1	0	0	1	1	3	0	1	2	2	0	0
Yangon	38	22	5	0	5	0	0	0	1	1	1	2	3	5	2	2	0
Totals	291	271	18	10	18	11	19	11	15	16	35	33	34	26	20	33	10

Table 4: Stool processing and Laboratory performance indicators for cases with onset in 2004 & 2005, data as of 15/02/05

	Target	Achievement	
		2004	2005
% Specimens arriving at the Lab within 3 days after being sent	80	92	96
% Specimens arriving in the Lab in good condition	90	100	100
% Specimens with a turn-around time of 28 days or less	80	97	99
% Specimens for which non-polio enterovirus was isolated	10	17	16
% Polio-positive specimens forwarded to Ref Lab within 14 days after isolation	80	100	100

Table 5: Laboratory Results, as reported by NHL between 15 Dec 2004 and 9 Feb 2005

State/ Division	Township	EPID number	Date Onset	Date Stool sent	Stool Condition	Date Report by NHL	Stool 1 Result	Stool 2 Result
A YEYA RWA DY	THA BA UNG	MMR142305002	20/12/2004	14/01/2005	Good	31/01/2005	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 NH/Bangkok, 2004

State/ Division	Township	IDCODE	Onset Date	Stool Condition	Stool 1	Stool 2
SAGAING	KALEWA	MMR050304001	27/06/2004	Good	P2S	P2S
MANDALAY	NATOEYI	MMR090904002	11/08/2004	Good	P3S	P3S
TANINTHARYI	KAWTHAUNG	MMR080104002	22/11/2004	Good	P2S	P2S

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 2005

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		Other Cases (Deaths)		Total Cases (Deaths)		Old	New	Total																
													No. (investigated)	Cases (Deaths)	Old	New	Old	New				Old	New	Old	New	Old	New	Old	New								
Ayeyarwady	0	1(1)	1(1)	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Bago East	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	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	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	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	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	0	0	0	0	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	0	0	0	0	0	0	0							
Mandalay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Mon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	0	0	0	0	0	0	0	0	0	0	0		
Shan East	0	0	0	0	0	0	0	0	0	0	0	0	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 South	0	1	1	0	1	1	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0
Yangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2(1)	2(1)	0	2	2	0	0	0	0	0	0	0	3	3	0	116	116	0	23	23	0	127	140	0	0	0	0	0	0	0	0	0	0	0	0	0

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).
AEFI > Pls. see details on page number 4.

ADVERSE EVENT FOLLOWING IMMUNIZATION (AEFI)

In the coming month, we will provide information on AEFIs on this last page of the Newsletter which can be used for the monthly in-service training sessions.

The definition of an Adverse Event Following Immunization (AEFI) is "a medical incident that takes place after an immunization, causes concern, and is believed to be caused by immunization."

Type of AEFI	Definition	Example
Vaccine reaction	An event caused or precipitated by the vaccine when given correctly. This is due to the inherent properties of the vaccine.	Anaphylaxis due to measles vaccine
Programme Error	An event caused by an error in vaccine preparation, handling or administration.	Injection site abscess after DTP vaccine
Coincidental	An event that occurs after immunization but is not caused by the vaccine. This is due to a chance association	Pneumonia 2 weeks after Oral Polio Vaccine
Injection Reaction	Event from anxiety about, or pain from the injection itself rather than the vaccine	Child screams at sight of injection Fainting spell in a teenager after immunization
Unknown	Event's cause cannot be determined	Child dies within 24 hours of vaccination

Programme Errors	Adverse Event
Non-sterile injection: <ul style="list-style-type: none"> ■ reuse of disposable syringe or needle ■ improperly sterilized syringe or needle ■ contaminated vaccine or diluent ■ reuse of <i>reconstituted</i> vaccine at next immunization session 	Infection (e.g. local suppuration at injection site, abscess, cellulitis, systemic infection, sepsis, toxic shock syndrome, transmission of blood borne virus (HIV, hepatitis B or hepatitis C)).
Vaccine prepared incorrectly: <ul style="list-style-type: none"> ■ vaccine reconstituted with incorrect diluent ■ drugs substituted for vaccine or diluent. 	Local reaction or abscess from inadequate shaking Effect of drug (e.g. muscle relaxant, insulin).
Immunization injected in wrong site: <ul style="list-style-type: none"> ■ subcutaneous instead of intradermal for BCG ■ too superficial for toxoid vaccine (DPT, DT, TT) ■ administration in the buttocks. 	Local reaction or injection site abscess. Sciatic nerve damage (+ ineffective vaccine-hepatitis B).
Vaccine transported/stored incorrectly.	Increased local reaction from frozen vaccine (and ineffective vaccine).
Contraindications ignored.	Avoidable severe vaccine reaction.

List of reportable AEFIs	
Occurring within 24 hours of immunization	<ul style="list-style-type: none"> • Anaphylactoid reaction (acute hypersensitivity reaction) • Anaphylaxis • Persistent (more than 3 hours) inconsolable screaming • Hypotonic hyporesponsive episode (HHE) • Toxic shock syndrome (TSS) #
Occurring within 5 days of immunization	<ul style="list-style-type: none"> • Severe local reaction # • Sepsis # • Injection site abscess (bacterial/sterile) #
Occurring within 15 days of immunization	<ul style="list-style-type: none"> • Seizures, including febrile seizures (8-12 days for measles/MMR; 0-2 days for DTP) • Encephalopathy (6-12 days for measles/MMR; 0-2 days for DTP)
Occurring within 3 months of immunization	<ul style="list-style-type: none"> • Acute flaccid paralysis (4-30 days for OPV recipient; 4-75 days for contact) • Brachial neuritis (2-28 days after tetanus containing vaccine) • Thrombocytopaenia (15-35 days after measles/MMR) • Lymphadenitis # • Disseminated BCG infection • Osteitis/Osteomyelitis
Occurring between 1 and 12 months after BCG immunization	Any death, hospitalization, or other severe and unusual events that are thought by health workers or the public to be related to immunization #
No time limit	

limit reporting to these events, if only limited reporting capacity