

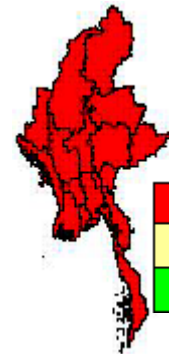


**Non-Polio AFP Rates
2004**

Myanmar Polio Newsletter

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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 10/03/2005)

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 (0 day follow-up done)	AFP		Polio		Cases Pending	No. with 2 spec. with 14 days	No. of AFP cases (0 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	2,601,906	26	0	8	0	0	8	7	0	31	39	0	0	8	33	33
Bago East	1,077,159	11	0	1	0	0	1	1	0	10	15	0	0	5	14	13
Bago West	875,375	9	0	1	0	0	1	0	0	12	15	0	0	3	14	12
Chin	184,304	2	0	0	0	0	0	0	0	1	2	0	0	1	2	2
Kachin	488,406	5	0	1	0	0	1	0	0	6	6	0	0	0	6	6
Kayah	102,134	1	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Kayin	571,724	6	0	1	0	0	1	0	0	6	7	0	0	1	5	6
Magway	1,746,279	17	0	4	0	0	4	3	0	20	24	0	0	4	22	22
Mandalay	2,523,193	25	0	3	0	0	3	3	0	35	37	0	0	2	35	36
Mon	960,683	10	0	0	0	0	0	0	0	14	16	0	0	2	14	16
Rakhine	1,053,603	10	0	0	0	0	0	0	0	18	20	0	0	2	19	18
Sagaing	2,106,207	21	0	1	0	0	1	0	0	31	34	0	0	3	31	30
Shan North	780,825	8	0	1	0	0	1	1	0	7	8	0	0	1	8	8
Shan East	369,035	4	0	0	0	0	0	0	0	4	5	0	0	1	4	4
Shan South	724,599	7	0	0	0	0	0	0	0	7	7	0	0	0	7	7
Tanintharyi	520,658	5	0	0	0	0	0	0	0	11	12	0	0	1	10	11
Yangon	2,133,852	21	0	3	0	0	3	2	0	20	22	0	0	2	20	19
Totals	18,819,943	188	0	24	0	0	24	17	0	235	271	0	0	36	246	245

Table 2: Selected Performance Indicators by State/Division for cases with onset in 2004 and 2005 (data as of 10/03/2005)

State / Division	2005								2004							
	Annualized AFP RATE		Stool Collection		% AFP Investigated with 48 hrs.	% AFP cases with 60 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 60 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	1.60	0.00	88	88	100	0	100	100	1.56	1.24	85	100	97	87	100	94
Bago East	0.48	0.00	100	100	100	0	89	100	1.50	1.00	93	100	100	93	100	99
Bago West	0.59	0.00	0	0	100	0	89	78	1.88	1.50	93	100	93	80	100	100
Chin	0.00	0.00	0	0	0	0	89	82	1.00	0.50	100	100	50	100	100	86
Kachin	1.06	0.00	0	100	100	0	89	97	1.20	1.20	100	100	100	100	98	62
Kayah	0.00	0.00	0	0	0	0	89	78	2.00	2.00	100	100	100	100	96	88
Kayin	0.91	0.00	0	0	0	0	67	67	1.40	1.20	71	100	100	86	100	100
Magway	1.19	0.00	75	100	100	0	67	100	1.50	1.25	92	100	96	92	100	95
Mandalay	0.62	0.00	100	100	100	0	89	78	1.54	1.46	95	100	95	97	100	100
Mon	0.00	0.00	0	0	0	0	89	67	1.78	1.56	88	100	100	100	100	100
Rakhine	0.00	0.00	0	0	0	0	67	81	2.00	1.80	95	100	95	90	100	98
Sagaing	0.25	0.00	0	0	100	0	89	85	1.70	1.55	91	100	97	88	100	87
Shan North	0.67	0.00	100	100	100	0	89	100	1.14	1.00	100	80	100	100	97	95
Shan East	0.00	0.00	0	0	0	0	100	91	1.67	1.33	80	100	100	80	100	95
Shan South	0.00	0.00	0	0	0	0	100	80	1.00	1.00	100	100	86	100	100	73
Tanintharyi	0.00	0.00	0	0	0	0	89	100	2.40	2.20	83	100	92	92	100	82
Yangon	0.73	0.00	67	100	100	0	100	95	1.10	1.00	91	100	95	86	100	96
Totals	0.66	0.00	71	83	96	0	97	95	1.53	1.33	91	100	96	91	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	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05
Ayeyarwady	34	39	2	8	1	1	3	0	1	6	5	6	3	5	7	5	3
Bago East	16	15	0	1	0	0	1	0	0	2	1	4	2	0	5	1	0
Bago West	13	15	1	1	1	2	2	0	1	0	3	2	0	2	2	0	1
Chin	5	2	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Kachin	7	6	0	1	0	1	0	0	2	0	1	2	0	0	0	1	0
Kayah	9	2	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Kayin	5	7	0	1	0	0	0	0	0	1	1	2	2	0	1	0	1
Magway	24	24	2	4	0	1	1	0	2	4	8	1	1	0	4	3	1
Mandalay	44	37	3	3	2	5	1	3	3	6	3	3	5	3	2	1	2
Mon	11	16	2	0	1	1	0	2	0	1	3	2	1	2	2	0	0
Rakhine	19	20	2	0	0	5	0	1	2	4	0	3	0	1	2	0	0
Sagaing	27	34	9	1	4	2	2	5	2	3	1	2	2	3	3	0	1
Shan North	3	5	0	1	0	0	0	1	0	3	2	1	0	0	1	0	1
Shan East	15	8	0	0	0	0	1	0	1	1	0	0	1	0	1	0	0
Shan South	9	7	0	0	0	0	0	1	0	0	3	1	2	0	0	0	0
Tanintharyi	12	12	2	0	1	0	0	1	1	3	0	1	2	2	0	0	0
Yangon	38	22	5	3	0	0	0	1	1	1	2	3	5	2	2	0	3
Totals	291	271	29	24	11	19	11	15	16	35	33	34	26	20	33	11	13

Table 4: Stool processing and Laboratory performance indicators for cases with onset in 2004 & 2005, data as of 10/03/05

	Target	Achievement	
		2004	2005
% Specimens arriving at the Lab within 3 days after being sent	80	96	93
% Specimens arriving in the Lab in good condition	90	100	100
% Specimens with a turn-around time of 28 days or less	80	99	54
% Specimens for which non-polio enterovirus was isolated	10	16	4.5
% Polio-positive specimens forwarded to Ref Lab within 14 days after isolation	80	100	0

Table 5: Laboratory Results, as reported by NHL between 9 Feb 2005 and 10 March 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 and 2005

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 February 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
Ayeyarwady	1(1)	0	1(1)	1	0	1	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				
Bago West	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				
Kachin	0	0	0	0	0	0	0	0	0	0	0	0	1	0	14	14	0	0	0	0	15	15	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	0	0	0	0	0	0	0	0	0	0	0	1	58	58	2	0	2	61	0	61	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				
Mandalay	0	0	0	0	0	0	0	0	0	0	0	0	1	37	37	7	0	7	45	0	45	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				
Rakhine	0	1	1	0	1	1	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	1	21	21	0	0	22	0	22	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				
Shan East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Shan South	1	0	1	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	7	7	0	7	0	0			
Yangon	0	1(1)	1(1)	0	1	1	0	0	0	0	0	0	0	0	0	0	4	4	4	4	0	4	0			
Total	2(1)	2(1)	3(2)	2	2	4	0	0	0	0	0	0	3	1	4	116	14	130	21	1	22	35	61	156	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)

(cont. from last month...)

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.

Case definitions and treatments for AEFI

Adverse event	Case definition	Treatment	Vaccines
Acute flaccid paralysis (Vaccine associated paralytic poliomyelitis)	Acute onset of flaccid paralysis within 4 to 30 days of receipt of oral poliovirus vaccine (OPV), or within 4 to 75 days after contact with a vaccine recipient and neurological deficits remaining 60 days after onset, or death.	No specific treatment available; supportive care.	OPV
Anaphylactoid reaction (acute hypersensitivity reaction)	Exaggerated acute allergic reaction, occurring within 2 hours after immunization, characterized by one or more of the following: <ul style="list-style-type: none"> • wheezing and shortness of breath due to bronchospasm • laryngospasm/laryngeal oedema • one or more skin manifestations, e.g. hives, facial oedema, or generalized oedema. Less severe allergic reactions do not need to be reported.	Self-limiting; anti-es may be helpful	All
Anaphylaxis	Severe immediate (within 1 hour) allergic reaction leading to circulatory failure with or without bronchospasm and/or laryngospasm/laryngeal oedema	Adrenaline injection (See Annex B)	All
Arthralgia	Joint pain usually including the small peripheral joints. Persistent if lasting longer than 10 days, Transient: if lasting up to 10 days	Self-limiting; analgesics	Rubella, MMR
Brachial neuritis	Dysfunction of nerves supplying the arm/shoulder without other involvement of nervous system. A deep steady, often severe aching pain in the shoulder and upper arm followed in days or weeks by weakness and wasting in arm/shoulder muscles. Sensory loss may be present, but is less prominent. May present on the same or the opposite side to the injection and sometimes affects both arms.	Symptomatic only; analgesics	Tetanus
Disseminated BCG infections	Widespread infection occurring within 1 to 12 months after BCG vaccination and confirmed by isolation of <i>Mycobacterium bovis</i> BCG strain. Usually in immunocompromised individuals.	Should be treated with anti-tuberculous regimens including isoniazid and rifampicin.	BCG
Encephalopathy	Acute onset of major illness characterized by any two of the following three conditions: <ul style="list-style-type: none"> • seizures • severe alteration in level of consciousness lasting for one day or more • distinct change in behaviour lasting one day or more. Needs to occur within 48 hours of DTP vaccine or from 7 to 12 days after measles or MMR vaccine, to be related to immunization.	No specific treatment available; supportive care.	Measles, Pertussis
Fever	The fever can be classified (based on rectal temperature) as mild (38 to 38.9 °C), high (39 to 40.4 °C) and extreme (40.5 °C or higher). Fever on its own does not need to be reported.	Symptomatic; paracetamol.	All

to be continued to next month...