

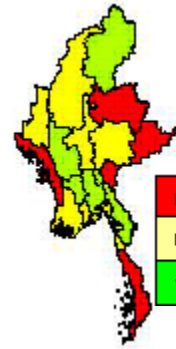


**Non-Polio AFP Rates
2004**

Myanmar Polio Newsletter

Volume 6, Issue 7
July 2005

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



0 - 0.49
background-color: yellow; padding: 2px;">0.50 - 0.99
background-color: green; padding: 2px;">1 or above

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

Table 1: Reported AFP cases against targets by State/Division and classification status of cases with onset in 2004 and 2005 (date as of 4/08/2005)

State / Division	Population x 10 ⁵ year ⁻¹	2005								2004						
		Min. non-polio AFP target	AFP		Polio		Cases Pending	No. with 2spec. w/in 14 days	No. of AFP cases (0 day follow-up done)	AFP		Polio		Cases Pending	No. with 2spec. w/in 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	15	16	0	0	1	16	12	39	39	0	0	0	33	34
Bago East	1,077,159	11	8	8	0	0	0	7	6	15	15	0	0	0	14	15
Bago West	875,375	9	6	7	0	0	1	6	2	15	15	0	0	0	14	13
Chin	184,304	2	1	2	0	0	1	2	0	2	2	0	0	0	2	2
Kachin	488,406	5	5	5	0	0	0	4	1	6	6	0	0	0	6	6
Kayah	102,134	1	0	1	0	0	1	0	1	2	2	0	0	0	2	2
Kayin	571,724	6	5	5	0	0	0	3	4	7	7	0	0	0	5	7
Magway	1,746,279	17	13	15	0	0	2	14	8	24	24	0	0	0	22	24
Mandalay	2,523,193	25	8	9	0	0	1	8	5	37	37	0	0	0	35	36
Mon	960,683	10	4	6	0	0	2	5	1	16	16	0	0	0	14	16
Rakhine	1,053,603	10	2	2	0	0	0	2	2	20	20	0	0	0	19	20
Sagaing	2,106,207	21	11	13	0	0	2	13	4	34	34	0	0	0	31	33
Shan North	780,825	8	2	2	0	0	0	2	1	8	8	0	0	0	8	8
Shan East	369,035	4	1	1	0	0	0	1	0	5	5	0	0	0	4	5
Shan South	724,599	7	3	3	0	0	0	3	3	7	7	0	0	0	7	7
Tanintharyi	520,658	5	0	1	0	0	1	1	0	12	12	0	0	0	10	11
Yangon	2,133,852	21	12	12	0	0	0	11	8	22	22	0	0	0	20	19
Totals	18,819,943	188	96	108	0	0	12	98	58	271	271	0	0	0	246	258

Table 2: Selected Performance Indicators by State/Division for cases with onset in 2004 and 2005 (data as of 4/08/2005)

State / Division	2005								2004							
	Annualized AFP RATE		Stool Collection		% AFP cases typed w/in 48 hrs.	% AFP cases with 60 days Follow-up	% Weekly zero reports received	% Weekly zero reports rec'd on time	Annualized AFP RATE		Stool Collection		% AFP cases typed w/in 48 hrs.	% AFP cases with 60 days Follow-up	% Weekly zero reports received	% Weekly zero reports rec'd on time
	Total AFP	Non-Polio	% with 2spec. w/in 14 days	% with any specimen					Total AFP	Non-Polio	% with 2spec. w/in 14 days	% with any specimen				
TARGET		1	80		80	80	80		1	80		80	80	80	80	
Ayeyarwady	1.03	0.97	100	100	94	100	100	100	1.56	1.56	85	100	97	87	100	94
Bago East	1.25	1.25	88	100	100	100	100	100	1.50	1.50	80	100	100	100	100	99
Bago West	1.34	1.15	86	100	100	100	100	100	1.88	1.88	93	100	93	87	100	100
Chin	1.82	0.91	100	100	100	0	100	100	1.00	1.00	50	100	50	100	100	86
Kachin	1.72	1.72	80	100	100	100	100	83	1.20	1.20	100	100	100	100	98	62
Kayah	1.64	0.00	0	100	100	100	100	97	2.00	2.00	100	100	100	100	96	88
Kayin	1.47	1.47	60	100	100	100	100	94	1.40	1.40	71	100	100	100	100	100
Magway	1.44	1.25	93	100	100	100	100	90	1.50	1.50	92	100	96	100	100	95
Mandalay	0.60	0.53	89	100	100	100	100	100	1.54	1.54	92	100	95	97	100	100
Mon	1.05	0.70	83	100	100	100	100	94	1.78	1.78	88	100	100	100	100	100
Rakhine	0.32	0.32	100	100	100	100	100	90	2.00	2.00	95	100	95	100	100	98
Sagaing	1.04	0.88	100	100	100	100	100	87	1.70	1.65	91	100	97	97	100	87
Shan North	0.43	0.43	100	100	100	100	99	68	1.14	1.14	100	80	100	100	97	95
Shan East	0.45	0.45	100	100	100	0	100	97	1.67	1.67	80	100	100	100	100	95
Shan South	0.69	0.69	100	100	100	100	100	86	1.00	1.00	100	100	86	100	100	73
Tanintharyi	0.32	0.00	100	100	100	0	100	89	2.40	2.20	83	100	92	92	100	82
Yangon	0.94	0.94	92	100	100	80	100	100	1.10	1.10	95	100	95	86	100	96
Totals	0.96	0.86	91	100	99	97	100	95	1.53	1.52	90	100	96	95	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-Jul	2005 AFP up to date	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05
Ayeyarwady	34	39	13	16	1	6	5	6	3	5	5	3	1	1	2	2	2
Bago East	16	15	3	8	0	2	1	4	2	0	1	0	2	0	3	2	0
Bago West	13	15	6	7	1	0	3	2	0	2	0	1	1	0	0	0	5
Chin	5	2	1	2	0	0	0	0	0	0	0	0	0	0	0	1	1
Kachin	7	6	3	5	2	0	1	2	0	0	1	0	0	0	0	1	3
Kayah	9	2	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0
Kayin	5	7	1	5	0	1	1	2	2	0	0	1	1	2	0	0	1
Magway	24	24	10	15	2	4	8	1	1	0	3	1	1	2	1	2	5
Mandalay	44	37	21	9	3	6	3	3	5	3	1	2	1	1	0	1	3
Mon	11	16	6	6	0	1	3	2	1	2	0	0	0	1	0	3	2
Rakhine	19	20	14	2	2	4	0	3	0	1	0	0	2	0	0	0	0
Sagaing	27	34	23	13	2	3	1	2	2	3	0	1	1	0	2	5	4
Shan North	3	8	4	2	0	3	2	1	0	0	0	1	0	0	0	0	1
Shan East	15	5	3	1	1	1	0	0	1	0	0	0	0	0	0	1	0
Shan South	9	7	1	3	0	0	3	1	2	0	0	0	2	0	0	1	0
Tanintharyi	12	12	7	1	1	3	0	1	2	2	0	0	0	0	0	0	1
Yangon	38	22	8	12	1	1	2	3	5	2	0	3	0	2	3	3	1
Totals	291	271	125	108	16	35	33	34	26	20	11	13	12	9	12	22	29

Table 4: Stool processing and Laboratory performance indicators for cases with onset in 2004 & 2005, data as of 4/08/05

	Target	Achievement	
		2004	2005
% Specimens arriving at the Lab within 3 days after being sent	80	96	98
% Specimens arriving in the Lab in good condition	90	100	100
% Specimens with a turn-around time of 28 days or less	80	99	99
% Specimens for which non-polio enterovirus was isolated	10	16	13
% 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 July 2005 and 4 August 2005

State/ Division	Township	EPID number	Date Onset	Date Stool sent	Stool Condition	Date Report by NHL	Stool 1 Result	Stool 2 Result
SAGAING	PINLEBU	MMR052005001	20/06/2005	03/07/2005	Good	25/07/2005	NPEV	NPEV
SAGAING	AYARDAW	MMR053705001	23/06/2005	06/07/2005	Good	25/07/2005	NPEV	NPEV
SAGAING	MYINMU	MMR052705001	01/07/2005	11/07/2005	Good	29/07/2005	Negative	NPEV
BAGO	MONYO	MMR071805001	09/07/2005	14/07/2005	Good	01/08/2005	Negative	NPEV
BAGO	MINHLA - BAGO	MMR071705001	10/07/2005	18/07/2005	Good	08/08/2005	NPEV	NPEV
TANINTHARYI	MYEK	MMR060705001	13/07/2005	21/07/2005	Good	15/08/2005	NPEV	Negative

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, 2005

State/ Division	Township	IDCODE	Onset Date	Stool Condition	Stool 1	Stool 2
BAGO	THANATPIN	MMR072405001	15/03/2005	Good	P1S P2S	P1S P2S P3S
MAGWAY	MINBU	MMR081905001	30/04/2005	Good	P2S	P2S

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

Measles Programme Monitoring Indicators

Indicators		2000	2001	2002	2003	2004
Incidence Rate/100000 population		1.69	4.93	1.41	1.56	2.45
Number of measles cases		845	2519	736	830	1329
Cases by Agegroup	< 1 year	12%	9%	10%	5%	6%
	1-4 years	32%	38%	35%	44%	39%
	5-9 years	27%	34%	33%	39%	43%
	10-14 years	23%	15%	20%	11%	9%
	15 years +	6%	4%	2%	1%	3%
Number of measles deaths		2	46	13	12	10
Case Fatality Rate		0.24	1.83	1.77	1.45	0.75
Routine measles vaccine coverage		84%	73%	77%	76%	81%
Measles vaccine coverage during MMC		-	-	88%	88%	79%
% of townships achieving atleast 90% coverage during MMC		-	-	90	81	45
% of Zero dose immunized during MMC		-	-	4	6	8
BCG-Measles drop out rates		6.40%	6.00%	7.00%	7.30%	6.00%
Completeness of weekly surveillance reporting		81%	99%	100%	100%	100%
Timeliness of weekly surveillance reporting		65%	79%	89%	91%	91%
% of immunized cases among measles outbreak		76	19	11	13	29
% of known outbreaks investigated by laboratory confirmation			20	60	71	75

Strengthen Measles surveillance and Laboratory confirmation

Surveillance Case Definition

Any person with: Fever and Maculopapular (i.e. non-vesicular) rash and at least one of the following:

- Cough
- Coryza (i.e. runny nose)
- Conjunctivitis (i.e. red eyes)

Laboratory criteria for diagnosis

Detection of measles specific IgM antibodies in blood collected within 3-28 days of onset of rash.

All measles outbreaks should be confirmed by Laboratory diagnosis. A sample of blood should be collected from initial 5-10 cases of measles for laboratory confirmation. 5ml of blood should be collected within 3-28 days of onset of rash, serum separated and sent with reverse cold chain within 3 days of collection to the NHL.

Outbreak threshold for Measles

Clustering in time and place of 5 or more cases of measles.

Measles Outbreaks Summary (2005) (as of week no.34)

Sr. No.	Date	State/ Division	Township	Rural/ Urban	Case	Death	Blood sample	Measles (+)	Rubella
1)	30-12-04 to 2-2-05	Mandalay	Singadag	Rural	37	0	10	10	0
2)	5-12-04 to 15-2-05	Kayah	Myawaddy	Rural	67	0	5	1	0
3)	2-2-05 to 13-2-05	Sagaing	Mawlaik	Urban	21	0	6	6	0
4)	12-2-05 to 27-2-05	Kachin	Myikhyia	Rural	14	0	5	4	0
5)	15-2-05 to 23-2-05	Kachin	Wainngaw	Urban	10	0	6	4	0
6)	24-2-05 to 21-3-05	Shan (South)	Hqone	Rural	17	0	5	5	0
7)	05-3-05 to 30-3-05	Ayeyarwaddy	Cyonepyaw	Rural	12	1	0	0	0
8)	08-6-05 to 21-6-05	Kachin	Mchyn	Rural	15	0	5	4	0
9)	12-8-05 to 23-8-05	Mon	Paung	Rural	18	0	10	8	0
					211	1	52	42	0

Measles Outbreaks by Vaccination status and Age group (2005, as of week no.34)

