

ACHIEVEMENT UNDER NVBDCP, MIZORAM for the period of April, 2023 – March, 2024

1. DISEASE INCIDENCE:The National Vector Borne Disease Control Programme (NVBDCP) covers 6 diseases namely – Malaria, Dengue Fever, Filariasis, Kala-Azar, Chikungunya and Japanese Encephalitis; out of these Malaria, Dengue, Chikungunya and Japanese Encephalitis were found in Mizoram.

a. MALARIA:

Name of District	No. of Fever Cases	Total Blood Examination	Total Malaria Cases	Pv Cases	Pf Cases	Total No. of Death	ABER	API	TPR	TFR	Pf %	SPR	SFR
Aizawl East	69102	69102	29	18	11	0	24.65	0.10	0.04	0.02	37.93	0.02	0.01
Aizawl West	35614	35614	74	43	31	1	18.34	0.38	0.21	0.09	41.89	0.24	0.10
Lunglei	53484	53484	4959	1286	3673	3	30.25	28.04	9.27	6.87	74.07	3.06	2.32
Siaha	17576	17125	1609	1075	534	0	24.94	23.43	9.40	3.12	33.19	1.18	0.56
Kolasib	22617	22617	29	20	9	0	24.02	0.31	0.13	0.04	31.03	0.20	0.08
Mamit	28801	28807	3288	1480	1808	1	29.18	33.30	11.41	6.28	54.99	2.38	0.93
Champhai	39134	39134	42	22	20	1	26.76	0.29	0.11	0.05	47.62	0.15	0.09
Lawngtlai	47724	47724	7927	2441	5486	6	33.82	56.18	16.61	11.50	69.21	14.23	10.51
Serchhip	26978	26978	48	28	20	1	38.81	0.69	0.18	0.07	41.67	0.48	0.22
TOTAL	341030	340585	18005	6413	11592	13	26.82	14.18	5.29	3.40	64.38	1.61	1.12

b. DENGUE:

Sl. No	District	Suspected Cases	Blood Sample Collected	Tot. Positive	Death
1	Aizawl West	5391	5391	872	0
2	Aizawl East	4173	4173	885	1
3	Lunglei	2254	2254	193	0
4	Siaha	48	48	3	0
5	Kolasib	215	215	17	0
6	Mamit	248	248	33	0
7	Champhai	344	344	27	0
8	Lawngtlai	56	56	4	0
9	Serchhip	175	175	20	1
10	Imp Cases from Other State	45	45	6	0
Total		12949	12949	2060	2

c. CHIKUNGUNYA:

Sl. No	District	Suspected Cases	Blood Sample Collected	Tot. Positive	Death
1	Aizawl West	0	0	0	0
2	Aizawl East	0	0	0	0
3	Lunglei	511	511	44	0
4	Siaha	0	0	0	0
5	Kolasib	0	0	0	0
6	Mamit	0	0	0	0
7	Champhai	0	0	0	0
8	Lawngtlai	0	0	0	0
9	Serchhip	0	0	0	0
Total		511	511	44	0

d. JAPANESE ENCEPHALITIS:

Sl. No	District	Suspected Cases	Blood Sample Collected	Tot. Positive	Death
1	Aizawl West	0	0	0	0
2	Aizawl East	0	0	0	0
3	Lunglei	0	0	0	0
4	Siaha	0	0	0	0
5	Kolasib	0	0	0	0
6	Mamit	0	0	0	0
7	Champhai	0	0	0	0
8	Lawngtlai	0	0	0	0
9	Serchhip	0	0	0	0
Total		0	0	0	0

2. Training Meeting Conducted: The following Training & Meeting were conducted during Apr – Mar, 2024 -

Sl. No	District	Review Meeting	IRS Pre spray Meeting	Regional Review Meeting	Task Force on Malaria Elimination Meeting	ASHA Training	Health Worker Training
1	State HQ	1	1	1	0	0	1
2	Aizawl West	0	0	0	2	0	0
3	Aizawl East	0	0	0	2	0	0
4	Lunglei	0	0	0	2	0	0
5	Siaha	0	0	0	2	0	0
6	Kolasib	0	0	0	2	0	0
7	Mamit	0	0	0	2	0	0
8	Champhai	0	0	0	2	0	0
9	Lawngtlai	0	0	0	2	0	0
10	Serchhip	0	0	0	2	0	0
Total		1	1	1	18	0	1

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3. Vector Control & Management Activity: The following activities were conducted-

a. Indoor Residual Spray (IRS) Operation: Two Round of IRS Operations were carried out in the area where Sub-Centre API was greater than 2. Achievement were as follows –

i. 1st Round of Operation:

Name of District	Tot. Population	Planned Date for Spray	Date of Spray	Coverage								
				Total No. of Houses	No. of Houses Sprayed	% of House sprayed	Total No. of Rooms	Rooms completely sprayed	Rooms Partially Sprayed	% Rooms completely sprayed	Population in sprayed houses	% Population protected
Aizawl W	4677	25.04.2022	10.05.2022	713	386	54.14	850	687	149	80.82	4015	85.85
Aizawl E	1205		09.05.2022	191	189	98.95	452	449	3	99.34	1197	99.34
Kolasib			Not Covered									
Mamit	40793		25.04.2022	9320	6860	73.61	17454	11210	6244	64.23	32678	80.11
Champhai	2296		12.05.2022	573	523	91.27	1188	996	173	83.84	2092	91.11
Serchhip	1471		02.05.2022	262	244	93.13	710	228	354	32.11	1332	90.55
Lunglei	67781		02.05.2022	14038	11468	81.69	29134	19822	8432	68.04	55020	81.17
Lawngtlai	99080		04.05.2022	21525	18170	84.41	46048	33932	12116	73.69	83494	84.27
Saiha	14534		01.05.2022	2695	2006	74.43	5419	3100	2309	57.21	10524	72.41
Total	231837	N.A	N.A	49317	39846	80.80	101255	70424	29780	69.55	190352	82.11

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ii. 2nd Round of Operation:

Name of District	Tot. Population	Planned Date for Spray	Date of Spray	Coverage								
				Total No. of Houses	No. of Houses Sprayed	% of House sprayed	Total No. of Rooms	Rooms completely sprayed	Rooms Partially Sprayed	% Rooms completely sprayed	Population in sprayed houses	% Population protected
Aizawl West	3797	01.07.2022	01.07.2022	637	110	17.27	769	150	619	19.51	1094	28.81
Aizawl East	1210			191	191	100.00	455	455	0	100.00	1210	100.00
Kolasib				Not Covered								
Mamit	41644			8578	6958	81.11	17283	12358		71.50	33913	81.44
Champhai	2296			776	726	93.56	1188	1050	138	88.38	2092	91.11
Serchhip	1471			262	249	95.04	710	407	303	57.32	1284	87.29
Lunglei	68634			13990	11769	84.12	28608	21391	7217	74.77	57543	83.84
Lawngtlai	99125			21481	18332	85.34	47050	24630	22420	52.35	83745	84.48
Saiha	14534			2695	1911	70.91	5419	3359	2060	61.99	9921	68.26
Total	232711	N.A	N.A	48610	40246	82.79	101482	63800	37682	62.87	190802	81.99

b. Vector Surveillance & Entomological Studies/ Report:

- i. Monthly reports for the period of April – March 2024 (i.e. EF 1-10, DF-1-3) regularly submitted to Entomological Division, NVBDCP, New Delhi
- ii. No. of days spent for field visit:
 1. State Entomologist: 38 days
 2. Zonal Entomologist: 27 days
- iii. Entomological surveillances conducted in several areas with a collection of the following vector species:
 1. Malaria Vectors: *Anopheles philipinensis*, *Anopheles annularis*, *Anopheles pseudowilmori*, *Anopheles minimus*, *Anopheles baimaii*
 2. Dengue vectors: *Aedes aegypti*, *Aedes albopictus*
 3. JE Vector: *Culex tritaeniorhynchus*, *Culex bitaeniorhynchus*
- iv. Dissection of ovaries and salivary glands conducted in wild collected *Anopheles* species for parasitic infection and its parity.
- v. Insecticides susceptibility assay conducted in two *Anopheles* species and *Aedes* against currently used insecticides for efficacy on vector control.
- vi. Fogging activities/days done in Dengue affected local councils in Aizawl ie, Bawngkawn, Zemabawk, Ramhlun, Dawrpui, Zarkawt, Dawrpuivengthar, Zarkawt, Armdveng etc.
- vii. Larval density obtained from Dengue affected areas regarding House index, Container index, Per man Hour density, Breteau index to find out the abundance of mosquito larvae for prediction of dengue incidence as well as diasease control. Based upon larval density, post follow up activity done viz. Fogging activity, source reduction etc.
- viii. Indoor residual spray by using DDT has been phased out and need to replaced to other insecticides. Entomologival team from State and Lunglei Zonal unit have done insecticides susceptibility test by comparing DDT and Deltamethrin. 92-98% mortality observed in Deltamethrin susceptibility test and recommended for replacement of DDT for indoor residual spray.

4. RECRUITMENT OF STAFFS/ STAFFS POSITION:

a. Staffs Position:

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5. IEC/BCC Activity: The following IEC/ BCC Activities were carried out –

Sl. No	Activities	State	Districts								
			Aizawl I E	Aizawl I W	Kolasib	Mamit	Serchhip	Champhai	Lunglei	Lawngtlai	Siaha
1.	Source reduction drive	0	36	36	36	36	36	36	36	36	36
2	Awareness campaign to school/NGO/CBO	0	24	24	24	24	24	24	24	24	24
3	Anti malaria month	1	1	1	1	1	1	1	1	1	1
4	World Malaria Day	1	1	1	1	1	1	1	1	1	1
5	Sensitization/Advocacy meetings		2	2	2	2	2	2	2	2	2
6	TV Spot Ads	2	0	0	0	0	0	0	0	0	0
7	School Cleanliness Drive	0	10	10	10	15	10	10	20	20	20
8	Miking	0	150	125	140	200	130	200	200	210	200
9	Print Ads	0	5	5	4	2	2	5	3	4	1
10	Orientation Meeting	0	5	5	5	5	5	6	7	6	4
11	Poster Display	0	0	0	5	2	5	7	3	0	0
12	House to House Visit	0	150	170	80	200	120	150	400	300	200

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