

# INDOOR AND OUTDOOR LARVAE SOURCE MANAGEMENT CAMPAIGN

## DISTRICT ABBOTTABAD

**Dated: 12-3-2018 to 20-3-2018**

### **Team Members:**

**Dengue response unit (Abbottabad), District administration teams (Deputy Commissioner Abbottabad), District Health officer Abbottabad, Public health Coordinator Abbottabad, National Program teams (Coordinator , LHS & LHWs), DHO office teams, Medical entomologist World Health organization, Malaria Supervisors (District health department Abbottabad) and FELTP Fellow Abbottabad.**

### **Activity Details:**

- Trainings were given to field teams consisting of malaria Supervisors, lady health supervisors, lady Health workers and other district line department's staff for dengue vector surveillance, larvae source management and health education regarding dengue prevention and control.
- House to house larvae breeding sites search, identification and assessment campaign were conducted in all the operational affected union councils of Abbottabad, all suspected water bodies / containers which can act as dengue larvae breeding sites were treated with abate or mechanically manipulated.
- Dengue larvae surveillance and larvae sources management campaign was conducted in 34 Union councils of district Abbottabad.
- Health education regarding protection against the mosquito biting was imparted to community during house to house survey and also community was told to properly store water in fully covered containers and larvae sources should be removed from all water holding containers in home and from outside surrounding areas of their homes.

- Special advocacy meetings were conducted with Masjid Imams, community elders and sessions conducted in different schools regarding dengue prevention and control especially for larvae source management.
- All field teams were continuously supervised and monitored in the field. Day to day field issues were solved by visiting to the targeted areas and Dengue response unit was briefed in meetings and actions were taken accordingly.
- Different areas supervised and monitors and Public Health Coordinator, DHO Office
- Meetings conducted under supervision of District health officer and Deputy Commissioner in which activity progress was checked, technical issue and managerial issues /hurdles in implementation and results discussed and actions taken accordingly.
- Public health coordinator (Dr Qadir Shah) and Medical entomologist –WHO Consultant (Muhammad Qasim Khan) took lead of indoor and outdoor larvae surveillance campaigns and regularly supervised and monitored field teams.
- All the data of the larvae source management both indoor and outdoor recorded and shared with District Dengue response unit and Mr. Qasim, Medical Entomologist of World Health Organization for further analysis, planning and action required.
- Data sheet of indoor larvae surveillance and source management in different areas of district Abbottabad is given below.

**Results:**

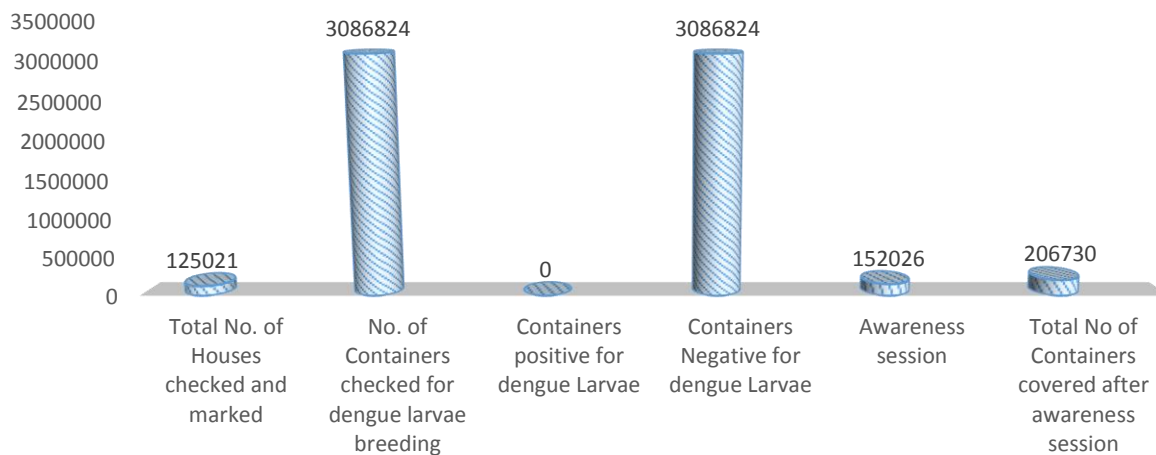
<b>S.No</b>	<b>Name of Health Facility/ Union Councils</b>	<b>Total No. of Houses checked and marked</b>	<b>No. of Containers checked for dengue larvae breeding</b>	<b>Containers positive for Larvae</b>	<b>Containers Negative for Larvae</b>	<b>Awareness session</b>	<b>Total No of Containers covered after awareness session</b>
<b>1.</b>	Atd Cant 1	1601	9636	0	9636	1601	3000
<b>2.</b>	BHU KOKAL BARSEEN	2525	78024	0	78024	2525	2080
<b>3.</b>	BHU BAGH	265	1796	0	1796	289	530
<b>4.</b>	BHU BAGNOTER	3210	71760	0	71760	558	3484
<b>5.</b>	BHU BAKOT	4505	34004	0	34004	810	3850
<b>6.</b>	BHU MANGAL	3638	34512	0	34512	3762	4098
<b>7.</b>	BHU B P KHAN	2479	30260	0	30260	2479	1274
<b>8.</b>	BHU BARIN GALI	1122	5304	0	5304	1545	1052
<b>9.</b>	BHU BIROT	3027	83616	0	83616	212	3420
<b>10.</b>	BHU BOI	2236	8180	0	8180	300	1600
<b>11.</b>	BHU MOHRA	1497	30680	0	30680	1497	2552

<b>12.</b>	BHU GHORI	1050	4450	0	4450	215	2030
<b>13.</b>	BHU DALOLA	2192	63748	0	63748	2192	1512
<b>14.</b>	BHU DHAMTOUR	1411	32800	0	32800	7500	17000
<b>15.</b>	BHU MOCHIKOT	5021	101524	0	101524	5021	2966
<b>16.</b>	BHU KAKUL	5045	151796	0	151796	5045	2976
<b>17.</b>	DHQ KEHAIL	5062	152480	0	152480	35000	8410
<b>18.</b>	BHU KOTHAILA	1601	9636	0	9636	2000	4000
<b>19.</b>	BHU KOKMANG	1299	46004	0	46004	535	23002
<b>20.</b>	BHU KATHWAL	1924	56696	0	56696	1924	3294
<b>21.</b>	MALIK PURA ATD	3205	112412	0	112412	3205	800
<b>22.</b>	BHU MIRPUR	5249	74092	0	74092	4549	4050
<b>23.</b>	BHU BAGNATOR	2250	297698	0	297698	480	2700
<b>24.</b>	BHU NATHIAGALI	2258	47672	0	47672	2018	2824
<b>25.</b>	BHU NAWASHER	5142	141828	0	141828	5142	2678
<b>26.</b>	BHU NUMBAL	1978	6420	0	6420	115	3956
<b>27.</b>	BHU PATTAN KALAN	766	28224	0	28224	766	14102
<b>28.</b>	BHU PANDOTHAN A	1627	14128	0	14128	1627	100

<b>29.</b>	BHU PK KHAN	2212	110128	0	110128	5215	4478
<b>30.</b>	CH AYUBIA	2178	27588	0	27588	1524	1562
<b>31.</b>	BHU JABRIAN	4870	161796	0	161796	4870	17034
<b>32.</b>	CH SHERWAN	1159	48700	0	48700	1200	2274
<b>33.</b>	BHU THATHI	571	5048	0	5048	571	92
<b>34.</b>	BHU S BANDI	5325	118908	0	118908	5325	2502
<b>35.</b>	BHU MUJATH	3521	118412	0	118412	3521	978
<b>36.</b>	RHC TAJWAL / ZAIRAT	1933	25612	0	25612	5800	1000
<b>37.</b>	RHC M B B	865	6160	0	6160	950	1500
<b>38.</b>	BHU TAKIA .RAJOYIA	2705	87764	0	87764	2705	18388
<b>39.</b>	BHU SUMA KARAGA	1029	45252	0	45252	1029	1630
<b>40.</b>	HAVELIAN U	4236	150332	0	150332	4236	4234
<b>41.</b>	HAVELIAN R	2583	157888	0	157888	3947	2752
<b>42.</b>	BHU BHARWAL	702	28080	0	28080	702	920
<b>43.</b>	RHC LORA	3874	10876	0	10876	2719	5438
<b>44.</b>	BHU BODLA	1291	56332	0	56332	1280	6480
<b>45.</b>	BHU NAGRI TOTIAL	2522	13148	0	13148	2478	2582

<b>46.</b>	BHU NARA	1471	6200	0	6200	1200	1300
<b>47.</b>	BHU PHALLA	2365	107336	0	107336	2365	3072
<b>48.</b>	CHC SEER	825	7236	0	7236	1534	2156
<b>49.</b>	CH KHAIRA GALI	2522	35948	0	35948	2025	1778
<b>50.</b>	BHU SATORA	1204	6240	0	6240	1204	210
<b>51</b>	BHU HERNO	1873	22460	0	22460	2714	1030
<b>Grand Total</b>		<b>125021</b>	<b>3086824</b>	<b>0</b>	<b>3086824</b>	<b>152026</b>	<b>206730</b>

## DENGUE VECTOR LARVAE SURVEILLANCE AND LARVAE SOURCE MANAGEMENT CAMPAING IN DISTRIC ABBOTTABAD



## Findings:

- Dengue vector larvae surveillance campaign in domestic and peri domestic areas is completed in district Abbottabad by Malaria Supervisors and Lady Health workers of health department. Health education for dengue prevention and control was imparted to community during house to house visits, in schools and community gatherings.
- Dengue larvae indices were calculated zero because no dengue larvae breeding was reported from any field team.
- Level of knowledge of community for dengue prevention control and their practices for good water storage was poor. So special focus was given awareness to community for proper water storage and for protection against dengue vector biting.
- Water storage practices were noticed due to water shortage and interrupted water supply in most areas that were affected with dengue last year.
- More than 40 % of water storage containers were found un-covered and with stored water since weeks which shows great risk for dengue vector breeding in these areas. All these uncovered containers were covered by field teams during the campaign.
- Leakage in water supply lines, clogged drains, blockage in drains with fresh rain water, huge number of discarded cans and utensils in dumping garbage places were found in outdoor surveillance which can act as huge larvae breeding during rainy seasons. The issue was reported to district administration for necessary action.

- Motor workshops and tier punctures shops were found with stored water with tiers and scrap of cars on roof and open areas. This provide most suitable condition for dengue larvae breeding because probability of Aedes eggs in tiers are always high which can yield dengue larvae breeding upon provision/ exposure of water.
- Some areas in different union councils are not covered because of no coverage of national program and unavailability of Malaria supervisors.
- Field teams were facing transportation problem and they didn't have proper larvae surveillance equipment's and BCC materials for proper awareness sessions in community.
- District line departments were not actively involved in dengue campaign as per assigned TORs in dengue action plan by provincial authorities.
- The campaign was a pilot great effort by district health officer and his team who performs and delivers best for dengue prevention and control in district Abbottabad.

### **Recommendations and way forward:**

- District Government should take stick action against tiers and motor work-shops because they are providing most suitable conditions for dengue vector breeding and can act as main source of dengue cases and transmission in district and neighboring districts.



- Tehsil municipality authority and district line departments shall play active role according to assigned responsibilities in dengue action plan.
- Special awareness campaigns for dengue prevention and control shall be arranged with active involvement of community and education department in schools/colleges for dengue prevention and control in district by district administration.
- Proper water supply shall be ensured in all dengue affected high risk union councils to discourage water storage practices, repair in leakages in water supply pipe line and covering of big water tanks shall be ensured by public health engineering department.
- Sanitation and waste disposal system shall be functional and active in context of prevention and control of dengue breeding sites.
- Dengue vector surveillance and larvae source management campaigns shall be continue in next two months to prevent dengue vector breeding and transmission in district.
- Left over uncovered areas from lady health workers catchment population shall be covered for vector surveillance by female volunteers or NGOs staff in the district.
- Field teams shall be provided with necessary equipment's for surveillance, dengue brochures/ pamphlets/ banners and proper transportation facilities.
- Regular supervision and monitoring system shall be established in the district by DRU with active involvement of district line departments.

- Meetings of district dengue response unit shall be conducted regularly on monthly basis for situation analysis, performance evaluation and further strategic planning for prevention and control of vector borne diseases in the district.