

NATIONAL INSTITUTE OF EPIDEMIOLOGY, CHENNAI-77
DHR/ICMR Virus Research and Diagnostic Laboratory Network (VRDLN)

October 2016 - Report

Number of VRDLs functional	36
Suspected outbreaks diagnosed during July 2016 (table 1)	15
Medical College Hospital Routine Diagnostics & Suspected Outbreaks	
Total no. of patients investigated by VRDLs	12062
Total no. of samples tested	12612
Total no. of tests run	19193
Total cases positives (%)	3344 (28)

Suspected outbreaks (15)
n=323

- 189 (59%) positives
- 398 samples
- 510 tests run

Medical college hospital-routine diagnostics
n=11739

- 3155 (27%) positives
- 12214 samples
- 18683 tests run

Table 1: Suspected outbreaks diagnosed by VRDLs October 2016 (n=15)

Sl	State	Geographical area		VRDLN		Disease/syndrome (provisional/confirmed)	Total cases tested	Type of sample	Test conducted	Positive cases	Etiological agent
		Village	District	Institution	PI						
1	MP	Nurpur/Gutti Ka Pura	Morena	RMRC, Jagadapur	Dr Pradip V Barde	Debgue/Chikungunya	76	Serum	IgM	Dengue-45/Chikungunya-3	Dengue
2	MP	Sujnipur	Damoh	RMRC, Jagadapur	Dr Pradip V Barde	Debgue/Chikungunya	54	Serum	IgM	Dengue-23/Chikungunya-4	Dengue
3	MP	Chhindgaon	Sehore	RMRC, Jagadapur	Dr Pradip V Barde	Debgue	23	Serum	IgM	13	Dengue
4	Assam	Serepakhati	Dibrugarh	RMRC, Dibrugarh	Dr Borkakoty	Mumps	12	Throat swab	RTPCR	5	Mumps
5	Assam	Z Mile	East Siang	RMRC, Dibrugarh	Dr Borkakoty	Influenza A & B	22	Throat swab	RTPCR	10	Influenza B
6	Gujarat	Punagam	Surat	B J Medical College, Ahmadabad	Dr M M Vegad	Measles	5	Serum	IgM	4	Measles virus
7	Gujarat	Karanjkhd	Tapi	B J Medical College, Ahmadabad	Dr M M Vegad	Measles	5	Serum	IgM	5	Measles virus
8	Gujarat	Delwada	Gir Somanath	B J Medical College, Ahmadabad	Dr M M Vegad	Measles	5	Serum	IgM	5	Measles virus
9	Gujarat	Rajapara	Bhavanagar	B J Medical College,	Dr M M Vegad	Measles	5	Serum	IgM	4	Measles virus

				Ahmadabad							
10	Gujarat	Padana	Jamnagar	B J Medical College, Ahmadabad	Dr M M Vegad	Measles	5	Serum	IgM	5	Measles virus
11	Assam	Raga	Lower Subansiri	Guwahati Medical college, Guwahati	Dr Naba Kumar	Measles	5	Serum	IgM	5	Measles virus
12	Assam	Mawsynrut	West Khasi Hill	Guwahati Medical college, Guwahati	Dr Naba Kumar	Measles/Rubella	5	Serum	IgM	5	Measles virus
13	Assam	Katabari	Kamrup (M)	Guwahati Medical college, Guwahati	Dr Naba Kumar	Dengue	19	Serum	IgM	8	Dengue virus
14	Assam	Krishna Nagar	Kamrup (M)	Guwahati Medical college, Guwahati	Dr Naba Kumar	Dengue	40	Serum	IgM	27	Dengue virus
15	Manipur	Lourung Parel	Imphal West	JNIMS, Imphal	Dr Lokhendro Huidrom	Dengue	42	Serum	IgM	18	Dengue virus
Total							323			189	

Table 2: Routine virus tested at various VRDLs in October 2016 (n=18686)

Virus	Total test done	Positive %
Dengue	9800	23.0
Chikungunya	1595	17.9
Hepatitis B virus	782	21.4
Japanese Encephalitis	731	9.8
Influenza B	691	17.4
Hepatitis A virus	605	9.3
Hepatitis E virus	576	18.9
Influenza A H1N1	538	3.2
Influenza A H3N2	449	2.4
Herpes Simplex Virus	408	1.0
Enterovirus	355	1.7
Varicella Zooster Virus	339	3.2
Influenza A	291	0.7
Respiratory Syncytial Virus	161	24.8
Adeno Virus	118	10.2
Measles	110	44.5
Cytomegalovirus	81	4.9
Herpes Simplex Virus -2	71	1.4
Parvovirus	58	27.6
Rubella Virus	56	3.6
Epstein-Barr-Virus	31	9.7
Norovirus	18	5.6
Rota Virus	4	0.0
Parainfluenza 1	1	0.0

817 test were run for other viruses (including Hepatitis C virus) not mentioned in table