

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

DECEMBER 2016 - REPORT

Number of VRDLs functional	36
Suspected outbreaks diagnosed during July 2016 (table 1)	11
Medical College Hospital Routine Diagnostics & Suspected Outbreaks	
Total no. of patients investigated by VRDLs	5983
Total no. of samples tested	6188
Total no. of tests run	9522
Total cases positives (%)	1228 (21)

<p align="center">Suspected outbreaks (11) n=109</p>	<ul style="list-style-type: none"> • 71(65%) positives • 116 samples • 156 tests run
<p align="center">Medical college hospital-routine diagnostics n=5874</p>	<ul style="list-style-type: none"> • 1157 (20%) positives • 6072 samples • 9366 tests run

Table 1: Suspected outbreaks diagnosed by VRDLs December 2016 (n=11)

No	VRDL, State	District	Etiological Agent	No. of Outbreaks	Total cases tested	Positive cases
1	KMC Manipal, Karnataka	Tumkur	Mumps	1	6	3
2	RMRC, Dibrugarh, Assam	Dibrugarh	Human Metapneumovirus	1	11	6
3	RMRC, Dibrugarh, Assam	Dibrugarh	Mumps	1	8	5
4	BJ Medical College, Ahmadabad, Gujarat	Gir Somnath, Mehsana, Patan	Measles	3	15	14
5	SVIMC, Tirupathi, AP	Chittoor, Kadapa	Chikungunya	1	7	7
6	GMC, Guwahati, Assam	Jaintia Hills, Mon (Nagaland), Lohit (Arunachal Pradesh)	Measles	3	15	15
7	GMC, Guwahati, Assam	Kamrup (M)	Hepatitis A virus (HAV)	1	33	8

Table 2: Routine virus tested at various VRDLs during December 2016 (n=9522)

Virus	Total tests run	Positive %
Dengue	3294	13.1
Chikungunya	1198	32.0
Hepatitis C virus (HCV)	669	7.8
Hepatitis A virus (HAV)	457	8.8
Hepatitis E virus (HEV)	439	14.8
Influenza A H1N1	413	1.2
Influenza B	399	4.3
Influenza A H3N2	349	1.1
Japanese Encephalitis(JE)	316	1.9
Hepatitis B virus (HBV)	262	33.2
Herpes simplex virus (HSV)	201	3.0
Enterovirus	177	2.8
Rota Virus	173	15.6
Varicella Zoaster Virus (VZV)	171	11.7
Adeno Virus	99	12.1
Measles	94	60.6
Mumps	94	14.9
Cytomegalovirus (CMV)	86	3.5
Herpes Simplex Virus (HSV-2)	85	3.5
Rubella Virus	74	2.7
Respiratory Syncytial Virus (RSV)	73	2.7
Influenza A	68	1.5
Parvovirus	57	8.8
Zika virus	37	0.0
Norovirus	32	0.0
HMPV	28	0.0
Para influenza 1,2,3	28	0.0
Human Metapneumovirus	27	33.3
Astrovirus	26	0.0
Scrub Typhus	26	30.8
Epstein-Barr-Virus (EBV)	25	0.0
Sapovirus	18	0.0
Neisseria Meningitidis	3	0.0
Other Influenza	3	0.0
Streptococcus	2	0.0
Haemophilus Influenzae	2	0.0
Hemophilus	1	0.0
Rhinovirus	1	0.0
West Nile	1	0.0