

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

October 2019 - REPORT

Functional VRDLs(n=76)

	Medical college hospital	Disease Cluster	Total
Total no. of patients investigated by VRDLs	31010	122	31132
Total no. of samples tested	31484	128	31612
Total no. of tests run	48359	169	48528
Total cases positives (%)	9661 (31%)	88 (72%)	9749 (31%)

Table 1: Suspected outbreaks/Disease clusters diagnosed by VRDLs October 2019 (n=6)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Dhenkanal	Chikungunya	1*	8	10
18. GMC, Jammu, J&K	Jammu	Dengue	2	12	12
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	1	5	10
32. GMC, Tiruvananthapuram, Kerala	Thiruvananthapuram	Dengue	1	6	6
56. STNM Hospital, Gangtok, Sikkim	South Sikkim	Dengue	1*	51	55
85. Government Medical College, Miraj, Maharashtra	Sangli	Dengue	1*	6	12

Note: * Indicate continuation of outbreak from previous month

Table 2: Routine virus tested at VRDLs during October 2019 (n=48528)

Virus Tested	Positive	%	Total Tested
Dengue	8402	32.8%	25587
Hepatitis C virus (HCV)	224	6.1%	3655
Hepatitis B virus (HBV)	234	6.8%	3445
Chikungunya	767	25.9%	2957
Influenza B	81	5.8%	1402
Influenza A Pandemic H1N1	31	2.3%	1377
Hepatitis A virus (HAV)	278	21.2%	1310
Orientia tsutsugamushi (Scrub typhus)	318	26.1%	1220
Hepatitis E virus (HEV)	107	9.5%	1132
Japanese Encephalitis(JE)	145	13.2%	1099
Influenza A H3N2	28	3.8%	733
Influenza A	18	2.6%	704
Leptospira	75	13.3%	566
Herpes simplex virus (HSV)	10	2.3%	436
Cytomegalovirus (CMV)	53	12.6%	419
Herpes simplex virus -1 (HSV-1)	17	5.1%	333
Measles	57	21.2%	269
Rubella Virus	24	9.6%	251
Herpes simplex virus -2 (HSV-2)	7	3.0%	236
Enterovirus	7	4.5%	157
Epstein-Barr-virus (EBV)	16	12.1%	132
Adeno Virus	3	2.4%	124
Parvovirus	16	14.0%	114
Zika virus	0	0.0%	106
Respiratory Syncytial virus A (RSVA)	59	64.1%	92
Respiratory Syncytial virus B (RSVB)	5	5.4%	92
Human metapneumovirus (HMPV)	2	2.5%	81
Respiratory Syncytial Virus (RSV)	23	31.1%	74
Parainfluenza 1/2/3/4	1	1.4%	74
Rhinoviruses	15	23.8%	63
Varicella Zooster Virus (VZV)	13	22.8%	57
Rota Virus	4	10.8%	37
Coronavirus	4	11.8%	34
West Nile virus (WNV)	2	7.1%	28
Human Boca virus	0	0.0%	21
Human parechovirus (HPeV)	0	0.0%	20
Hepatitis D virus (HDV)	0	0.0%	18
Mumps virus	8	47.1%	17
Not in the list	5	15.4%	25
Kyasanur Forest Disease Virus	0	0.0%	6
JCVIRUS	4	100.0%	4
Nipah virus	0	0.0%	4
Astrovirus	0	0.0%	3
Human papillomavirus	0	0.0%	3
Influenza B Victoria	2	66.7%	3

Influenza B Yamagata	0	0.0%	3
Norovirus	0	0.0%	3
Influenza A-H2N2	0	0.0%	1
Influenza A-H5N1	0	0.0%	1
No data	3	27.3%	11
Total	11065	22.8%	48528