

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

January 2020 - REPORT

Functional VRDLs(n=81)

	Medical college hospital	Disease Cluster	Total
Total no. of patients investigated by VRDLs	24200	196	24396
Total no. of samples tested	24780	201	24981
Total no. of tests run	44985	214	45199
Total cases positives (%)	4460 (18%)	131 (67%)	4591 (19%)

Table 1: Suspected outbreaks diagnosed by VRDLs January 2020 (n=10)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Kalahandi, Cuttack	Varicella Zoaster Virus	2	35	42
	Balasore, Mayurbhanj	Dengue	1	6	11
10. RIMS, Ranchi, Jharkhand	Simdega, Chatra, Ranchi	Varicella Zoaster Virus	3	28	29
31. Guwahati MC, Guwahati, Assam	Aizawl	Measles	1	2	6
54. MGM Medical College, Dimna Chowk, Jamshedpur	East Singhbhum, Seraikela Kharsawan	Varicella Zoaster Virus	2	16	29
85. Government Medical College, Miraj, Maharashtra	Sangli	Dengue	1*	1	1

* Indicates continuation of previous outbreak

Note: Outbreaks with cases \geq 5 with at least 1 case positive are included

Table 2 : Routine virus tested at VRDLs during January 2020 (n=45199)

Virus	Positive	%	Total Tested
Dengue	1882	17.0%	11079
Hepatitis B virus (HBV)	530	6.7%	7935
Hepatitis C virus (HCV)	321	4.3%	7439
Chikungunya	677	26.6%	2548
Hepatitis A virus (HAV)	210	11.0%	1913
Hepatitis E virus (HEV)	150	8.5%	1774
Orientia tsutsugamushi (Scrub typhus)	318	19.4%	1639
Influenza A Pandemic H1N1	63	4.3%	1459
Influenza B	63	4.9%	1279
Japanese Encephalitis (JE)	67	7.0%	962
Leptospira	82	11.3%	724
Influenza A	32	5.0%	636
Influenza A H3N2	2	0.3%	618
Herpes simplex virus (HSV)	30	5.1%	589
Cytomegalovirus (CMV)	69	12.3%	563
Rubella Virus	121	28.3%	428
Herpes simplex virus -1 (HSV-1)	12	2.9%	419
Measles	97	33.4%	290
Enterovirus	10	3.5%	286
Epstein-Barr-virus (EBV)	40	14.1%	284
Herpes simplex virus -2 (HSV-2)	3	1.1%	262
Adeno Virus	57	22.3%	256
Varicella Zoaster Virus (VZV)	96	45.5%	211
Respiratory Syncytial Virus (RSV)	29	14.5%	200
Human metapneumovirus (HMPV)	7	4.0%	173
Respiratory Syncytial virus A (RSVA)	18	10.6%	170
Respiratory Syncytial virus B (RSVB)	5	2.9%	170
Zika virus	0	0.0%	167
Parvovirus	28	18.3%	153
Mumps virus	61	50.8%	120
Rhinovirus	5	4.8%	104
Parainfluenza 1/2/3/4	5	6.0%	83
Hepatitis D virus (HDV)	0	0.0%	69
Rota Virus	26	45.6%	57
Human papillomavirus	5	10.6%	47
West Nile virus (WNV)	2	15.4%	13
Human parechovirus (HPeV)	0	0.0%	10
Coronavirus	0	0.0%	8
Not in the list	5	12.0%	42
Nipah virus	0	0.0%	5
Influenza B Victoria	0	0.0%	4
Bocaparvovirus	0	0.0%	3
Human Boca virus	0	0.0%	2
Astrovirus	0	0.0%	1
Influenza A-H2N2	0	0.0%	1
Influenza A-H5N1	0	0.0%	1
Influenza B Yamagata	0	0.0%	1

JC Virus	0	0.0%	1
Kyasanur Forest Disease Virus	0	0.0%	1
Total	5128	11.3%	45199