

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

May 2019 - REPORT

DHR - Functional VRDLs (n=55)

	Medical college hospital	Outbreaks (n=18)	Total
Total no. of patients investigated by VRDLs	12959	194	13153
Total no. of samples tested	13242	201	13443
Total no. of tests run	22349	220	22569
Total cases positives (%)	1935 (15%)	124 (64%)	2059 (16%)

ICMR - Functional VRDLs (n=5)

	Medical college hospital	Outbreaks (n=0)	Total
Total no. of patients investigated by VRDLs	613	0	613
Total no. of samples tested	646	0	646
Total no. of tests run	1428	0	1428
Total cases positives (%)	141 (23%)	0	141 (23%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs May 2019 (n=18)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Lucknow, Chandauli	Varicella Zoaster Virus	3	15	15
10. RIMS, Ranchi, Jharkhand	Koderma, Bokaro	Varicella Zoaster Virus	2	9	10
18. GMC, Jammu, J&K	Udhampur	Hepatitis E virus	1	10	10
20. BJ Medical College, Ahmadabad, Gujarat	Ahmedabad	Measles	2	8	14
21. Patna MC, Patna, Bihar	Patna, Samastipur, Munger, Madhubani, Seikhpura	Varicella Zoaster Virus	6	55	101
27. Indira Gandhi GMC, Nagpur, Maharastra	Gadchiroli	Japanese Encephalitis	1	12	25
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	1	4	5
31. Guwahati MC, Guwahati, Assam	Barpeta	Varicella Zoaster Virus	1	4	4
45. Bangalore MC RI, Bangalore, Karnataka	Ramanagara	Mumps virus	1	5	7

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs May 2019 (n=0)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested

Table 2 A: Routine virus tested at DHR - VRDLs during May 2019 (n=22569)

Virus Tested	Positive	%	Total Tested
Dengue	381	6.5%	5886
Hepatitis C virus (HCV)	285	9.0%	3167
Hepatitis B virus (HBV)	371	13.3%	2799
Chikungunya	101	6.9%	1459
Hepatitis A virus (HAV)	190	15.0%	1264
Hepatitis E virus (HEV)	165	13.6%	1210
Influenza A Pandemic H1N1	163	15.5%	1054
Influenza B	12	1.3%	890
Japanese Encephalitis (JE)	63	9.3%	677
Herpes simplex virus (HSV)	23	3.5%	651
Influenza A	14	2.3%	609
Cytomegalovirus (CMV)	64	10.6%	606
Rubella Virus	36	11.2%	321
HSV-2	11	4.3%	257
Measles	58	26.7%	217
Epstein-Barr-virus (EbV)	22	10.8%	203
VZV/Varicella Zooster Virus	101	51.8%	195
Zika virus	0	0.0%	181
Parvovirus	30	17.1%	175
orientia tsutsugamushi	85	52.5%	162
Scrub Typhus	12	8.1%	148
Influenza A H3N2	17	14.2%	120
Rota Virus	6	6.2%	97
Hepatitis D virus (HDV)	1	2.1%	47
Enterovirus	9	25.7%	35
Mumps virus	19	59.4%	32
Adeno Virus	0	0.0%	24
RSV (Respiratory Syncytial Virus)	0	0.0%	22
Human metapneumovirus (HMPV)	2	11.1%	18
Parainfluenza A/B/C	0	0.0%	17
Rhinoviruses	0	0.0%	10
Not in the list	2	33.3%	6
Coxsackievirus	0	0.0%	3
Coronavirus	0	0.0%	2
West Nile Virus	0	0.0%	2
HIV-2	0	0.0%	1
Human papillomavirus	1	100.0%	1
Variola virus / Small pox virus	0	0.0%	1
Total	2244	9.9%	22569

Table 2 B: Routine virus tested at ICMR - VRDLs during May 2019 (n=1428)

Virus Tested	Positive	%	Total Tested
Dengue	61	13.6%	447
Influenza A Pandemic H1N1	67	27.2%	246
Influenza A H3N2	9	4.1%	219
Influenza B	5	2.3%	218
Kyasanur Forest Disease Virus	5	13.2%	38
Mumps virus	5	13.5%	37
Herpes simplex virus (HSV)	1	2.9%	34
VZV/Varicella Zooster Virus	0	0.0%	32
HSV-2	0	0.0%	30
Japanese Encephalitis (JE)	0	0.0%	30
Enterovirus	2	6.9%	29
Chikungunya	2	10.5%	19
Measles	2	16.7%	12
Cytomegalovirus (CMV)	0	0.0%	6
Not in the list	0	0.0%	6
Rubella Virus	1	16.7%	6
Hepatitis A virus (HAV)	2	40.0%	5
Hepatitis E virus (HEV)	0	0.0%	5
Epstein-Barr-virus (EbV)	0	0.0%	3
Hepatitis B virus (HBV)	0	0.0%	2
Parvovirus	0	0.0%	2
Adeno Virus	0	0.0%	1
Hepatitis C virus (HCV)	0	0.0%	1
Total	162	11.3%	1428