

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

April 2019 - REPORT

DHR - Functional VRDLs (n=49)

	Medical college hospital	Outbreaks (n=19)	Total
Total no. of patients investigated by VRDLs	11725	242	11967
Total no. of samples tested	12001	248	12249
Total no. of tests run	20679	528	21207
Total cases positives (%)	1611 (14%)	144 (60%)	1755 (15%)

ICMR - Functional VRDLs (n=3)

	Medical college hospital	Outbreaks (n=1)	Total
Total no. of patients investigated by VRDLs	336	5	341
Total no. of samples tested	354	5	359
Total no. of tests run	887	5	892
Total cases positives (%)	62 (18%)	5 (100%)	67 (20%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs April 2019 (n=19)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Lucknow	Varicella Zooster Virus	3	13	14
04. RMRC, Bhubaneswar, Odisha	Koraput	Chikungunya	1	4	16
	Keonjhar	Japanese Encephalitis	1	5	9
	Bhadrak	Hepatitis A virus	1	2	8
10. RIMS, Ranchi, Jharkhand	Sahibganj, Jamtara, Khunti, East Singhbhum	Varicella Zooster Virus	4	41	42
14. RMRC, Dibrugarh, Assam	Lohit	Enteroinvasive E coli/ Shigella spp. (non-Viral)	1	11	13
19. SIMS, Srinagar, J&K	Ganderbal	Influenza B	1	28	66
21. Patna MC, Patna, Bihar	Patna, Madhubani, Vaishali	Varicella Zooster Virus	5	21	51
31. Guwahati MC, Guwahati, Assam	Udalguri	Varicella Zooster Virus	1	4	5
47. Indira Gandhi MC RI, Kathirkamam, Pondicherry	Pondicherry	Chikungunya	1	8	13

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Tumkur, Udipi	Mumps virus	1	5	5

Table 2 A: Routine virus tested at DHR - VRDLs during April 2019 (n=21207)

Virus Tested	Positive	Positive %	Total Tested
Dengue	258	5.57%	4632
Hepatitis C virus (HCV)	204	7.07%	2886
Hepatitis B virus (HBV)	347	12.68%	2737
Influenza A Pandemic H1N1	258	14.79%	1744
Influenza B	37	2.77%	1337
Chikungunya	54	4.46%	1212
Hepatitis A virus (HAV)	139	13.06%	1064
Hepatitis E virus (HEV)	131	12.72%	1030
Influenza A H3N2	4	0.66%	609
Herpes simplex virus (HSV)	34	5.66%	601
Japanese Encephalitis (JE)	43	8.94%	481
Cytomegalovirus (CMV)	54	11.49%	470
Influenza A	8	2.50%	320
Measles	72	25.71%	280
Rubella Virus	40	15.04%	266
Zika virus	0	0.00%	189
VZV/Varicella Zoaster Virus	94	53.11%	177
Epstein-Barr-virus (EbV)	17	9.66%	176
HSV-2	6	3.64%	165
Scrub Typhus	12	8.28%	145
Parvovirus	28	20.44%	137
Not in the list	11	11.70%	94
Adeno Virus	1	1.89%	53
RSV (Respiratory Syncytial Virus)	0	0.00%	51
Hepatitis D virus (HDV)	0	0.00%	50
Rota Virus	5	10.64%	47
Enterovirus	5	12.50%	40
Human papillomavirus	9	23.08%	39
Human metapneumovirus (HMPV)	1	3.57%	28
orientia tsutsugamushi	10	35.71%	28
Rhinoviruses	0	0.00%	28
Mumps virus	16	64.00%	25
Astrovirus	0	0.00%	13
Norovirus	1	7.69%	13
Sapo virus	0	0.00%	13
Parainfluenza A/B/C	0	0.00%	12
Human Boca virus	0	0.00%	6
West Nile Virus	0	0.00%	5
Other Influenza	0	0.00%	2
Coxsackievirus	0	0.00%	1
Influenza B (Yamagata)	1	100.00%	1
Total	1900	8.96%	21207

Table 2 B: Routine virus tested at ICMR - VRDLs during April 2019 (n=892)

Virus Tested	Positive	Positive %	Total Tested
Dengue	25	8.50%	294
Influenza A Pandemic H1N1	22	25.58%	86
Influenza A H3N2	2	2.47%	81
Influenza B	2	2.47%	81
Mumps virus	9	19.57%	46
Herpes simplex virus (HSV)	1	2.22%	45
HSV-2	1	2.38%	42
Japanese Encephalitis (JE)	0	0.00%	42
VZV/Varicella Zooster Virus	1	2.44%	41
Kyasanur Forest Disease Virus	9	25.00%	36
Enterovirus	0	0.00%	29
Chikungunya	1	4.17%	24
Measles	1	7.14%	14
Cytomegalovirus (CMV)	1	12.50%	8
Rubella Virus	0	0.00%	7
Nipah virus	0	0.00%	4
Hepatitis E virus (HEV)	0	0.00%	2
Not in the list	1	50.00%	2
West Nile Virus	0	0.00%	2
Epstein-Barr-virus (EbV)	0	0.00%	1
Hepatitis A virus (HAV)	1	100.00%	1
Hepatitis B virus (HBV)	0	0.00%	1
Hepatitis C virus (HCV)	0	0.00%	1
RSV (Respiratory Syncytial Virus)	0	0.00%	1
Variola virus / Small pox virus	0	0.00%	1
Total	77	8.63%	892