

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

March 2019 - REPORT

DHR - Functional VRDLs (n=49)

	Medical college hospital	Outbreaks (n=18)	Total
Total no. of patients investigated by VRDLs	12927	155	13082
Total no. of samples tested	13429	155	13584
Total no. of tests run	21778	171	21949
Total cases positives (%)	2133 (17%)	62 (40%)	2195 (17%)

ICMR - Functional VRDLs (n=3)

	Medical college hospital	Outbreaks (n=2)	Total
Total no. of patients investigated by VRDLs	813	6	819
Total no. of samples tested	878	6	884
Total no. of tests run	2120	6	2126
Total cases positives (%)	230 (28%)	5 (83%)	235 (29%)

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
10. RIMS, Ranchi, Jharkhand	Khunti, Chatra, Dumka, Ranchi, East Singhbhum, Dhanbad	Varicella Zoaster Virus	4	26	28
20. BJ Medical College, Ahmadabad, Gujarat	Narmada, Panchmahal	Measles	2	5	9
21. Patna MC, Patna, Bihar	Vaishali, Nawada, Patna, Mungair	Varicella Zoaster Virus	8	17	68
24. PGIMR, Chandigarh	Panchkula, Ludhiana	Influenza A Pandemic H1N1	2	6	41
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	1	5	5
31. Guwahati MC, Guwahati, Assam	South Sikkim	Measles	1	3	4

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs March 2019 (n=2)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Davanagere	Mumps virus	1	4	4
	Tumkur	Varicella Zoaster Virus	1	1	2

Table 2 A: Routine virus tested at DHR - VRDLs during March 2019 (n=21949)

Virus Tested	Positive	Positive %	Total Tested
Dengue	229	4.9%	4633
Influenza A Pandemic H1N1	1196	26.7%	4486
Hepatitis C virus (HCV)	111	5.1%	2158
Hepatitis B virus (HBV)	252	13.2%	1909
Influenza B	16	0.9%	1859
Chikungunya	78	6.0%	1296
Hepatitis A virus (HAV)	76	9.7%	784
Hepatitis E virus (HEV)	75	10.2%	733
Influenza A H3N2	6	0.9%	674
Japanese Encephalitis (JE)	38	7.5%	509
Influenza A	32	6.5%	493
Herpes simplex virus (HSV)	16	3.3%	484
Cytomegalovirus (CMV)	33	10.5%	314
Rubella Virus	28	13.6%	206
HSV-2	1	0.6%	156
VZV/Varicella Zooster Virus	50	34.2%	146
Measles	25	17.6%	142
Parvovirus	15	10.9%	137
Epstein-Barr-virus (EbV)	20	17.1%	117
Zika virus	0	0.0%	114
Scrub Typhus	15	13.6%	110
RSV (Respiratory Syncytial Virus)	1	1.4%	70
Not in the list	2	3.0%	67
Influenza A H1N1	2	3.4%	59
Adeno Virus	1	2.0%	51
Hepatitis D virus (HDV)	0	0.0%	49
Rhinoviruses	3	7.5%	40
Human metapneumovirus (HMPV)	2	5.3%	38
Rota Virus	20	54.1%	37
Enterovirus	2	6.3%	32
Mumps virus	10	41.7%	24
coxsackieviruse	1	25.0%	4
orientia tsutsugamushi	0	0.0%	4
West Nile Virus	0	0.0%	4
Influenza A-H2N2	2	66.7%	3
Parainfluenza A/B/C	0	0.0%	3
Bocaparvoviruses	0	0.0%	2
Human Boca virus	0	0.0%	1
Norovirus	1	100.0%	1
Total	2359	10.7%	21949

Table 2 B: Routine virus tested at ICMR - VRDLs during March 2019 (n= 2126)

Virus Tested	Positive	Positive %	Total Tested
Influenza A Pandemic H1N1	143	30.6%	468
Influenza A H3N2	14	3.5%	399
Influenza B	5	1.3%	392
Dengue	16	4.6%	347
Kyasanur Forest Disease Virus	14	24.6%	57
Mumps virus	18	32.7%	55
Herpes simplex virus (HSV)	2	3.8%	52
VZV/Varicella Zoaster Virus	10	19.6%	51
Japanese Encephalitis (JE)	0	0.0%	48
HSV-2	2	4.8%	42
Enterovirus	0	0.0%	32
Hepatitis B virus (HBV)	3	12.0%	25
Hepatitis A virus (HAV)	7	30.4%	23
Hepatitis C virus (HCV)	1	4.3%	23
Chikungunya	5	25.0%	20
Cytomegalovirus (CMV)	1	6.3%	16
Measles	7	50.0%	14
Rubella Virus	2	16.7%	12
Not in the list	3	27.3%	11
Hepatitis E virus (HEV)	0	0.0%	9
West Nile Virus	0	0.0%	7
Adeno Virus	0	0.0%	6
Astrovirus	0	0.0%	3
Norovirus	0	0.0%	3
Rota Virus	1	33.3%	3
Scrub Typhus	0	0.0%	3
Epstein-Barr-virus (EbV)	0	0.0%	2
Parvovirus	0	0.0%	1
RSV (Respiratory Syncytial Virus)	0	0.0%	1
Zika virus	0	0.0%	1
Total	254	11.9%	2126