

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

November 2018 - REPORT

DHR - Functional VRDLs (n=44)

	Medical college hospital	Outbreaks (n=5)	Total
Total no. of patients investigated by VRDLs	16207	314	16521
Total no. of samples tested	16746	315	17061
Total no. of tests run	25518	612	26130
Total cases positives (%)	3234 (20%)	111 (35%)	3345 (20%)

ICMR - Functional VRDLs (n=7)

	Medical college hospital	Outbreaks (n=5)	Total
Total no. of patients investigated by VRDLs	3627	8	3635
Total no. of samples tested	3739	8	3801
Total no. of tests run	10268	8	10276
Total cases positives (%)	1222 (34%)	7 (88%)	1229 (34%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs November 2018 (n=5)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Lucknow	Varicella Zoaster Virus	1	8	11
31. Guwahati MC, Guwahati, Assam	Dimapur	Measles	1	5	5
52. JIPMER, Pondichery	Pondicherry, Villupuram, Cuddalore	Influenza A Pandemic H1N1	1	74	282
60. Vijayanagara Institute of Medical Sciences, Ballari, Karnataka	Raichur, Koppal	Japanese Encephalitis	1	3	3
	Bellary	Chikungunya	1	2	3

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs November 2018 (n=5)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Udupi, Bagalkot, Belgaum	Japanese Encephalitis	3	3	3
	Davanagere	Varicella Zoaster Virus	1	2	2
11. Andhra MC, Visakhapatnam, AP	Visakhapatnam	Influenza A Pandemic H1N1	1	2	3

Table 2 A: Routine virus tested at DHR - VRDLs during November 2018 (n=26130)

Virus tested	Positive	Positive %	Total Tested
Dengue	1823	15.7%	11601
Chikungunya	218	10.5%	2069
Influenza A Pandemic H1N1	486	23.8%	2042
Hepatitis C virus (HCV)	132	7.6%	1731
Hepatitis B virus (HBV)	324	19.1%	1697
Influenza B	14	1.3%	1078
Hepatitis A virus (HAV)	161	16.1%	1003
Hepatitis E virus (HEV)	82	8.6%	948
Japanese Encephalitis (JE)	94	12.0%	783
Zika virus	137	21.0%	653
Influenza A H3N2	37	8.6%	428
Herpes simplex virus (HSV)	13	3.1%	421
Influenza A	19	6.4%	295
Cytomegalovirus (CMV)	21	8.6%	243
Parvovirus	17	12.0%	142
Measles	25	18.7%	134
orientia tsutsugamushi	53	42.1%	126
Epstein-Barr-virus (EbV)	15	12.8%	117
Adeno Virus	7	7.2%	97
RSV (Respiratory Syncytial Virus)	2	2.5%	79
Rubella Virus	1	1.3%	78
Human metapneumovirus (HMPV)	0	0.0%	60
VZV/Varicella Zoaster Virus	20	34.5%	58
Rhinoviruses	3	5.5%	55
Rota Virus	18	38.3%	47
Parainfluenza A/B/C	1	3.3%	30
HSV-2	1	4.3%	23
Enterovirus	1	4.5%	22
Mumps virus	6	31.6%	19
Other Influenza	2	13.3%	15
Human Boca virus	0	0.0%	12
Not in the list	5	71.4%	7
West Nile Virus	0	0.0%	7
Hepatitis D virus (HDV)	0	0.0%	4
Bocaparvoviruses	0	0.0%	3
Parainfluenza 1234	0	0.0%	2
Influenza A-H2N2	0	0.0%	1
Total	3738	14.3%	26130

Table 2 B: Routine virus tested at ICMR - VRDLs during November 2018 (n=10276)

Virus tested	Positive	Positive %	Total Tested
Influenza A Pandemic H1N1	577	25.6%	2253
Influenza B	17	0.8%	2144
Influenza A H3N2	198	9.5%	2089
Dengue	232	16.9%	1374
Herpes simplex virus (HSV)	17	5.6%	306
Japanese Encephalitis (JE)	51	16.9%	302
HSV-2	4	1.4%	277
Chikungunya	33	12.5%	263
Hepatitis B virus (HBV)	69	36.1%	191
Hepatitis C virus (HCV)	2	1.3%	151
Cytomegalovirus (CMV)	21	15.3%	137
Enterovirus	5	5.6%	89
Mumps virus	11	13.6%	81
VZV/Varicella Zooster Virus	4	5.3%	75
Hepatitis D virus (HDV)	0	0.0%	64
Rubella Virus	13	23.6%	55
Hepatitis A virus (HAV)	13	26.0%	50
Hepatitis E virus (HEV)	4	8.0%	50
Epstein-Barr-virus (EBV)	4	9.1%	44
RSV (Respiratory Syncytial Virus)	0	0.0%	42
Zika virus	0	0.0%	42
Adeno Virus	0	0.0%	37
Kyasanur Forest Disease Virus	0	0.0%	31
Not in the list	4	12.9%	31
Measles	10	38.5%	26
Parvovirus	2	8.7%	23
Parainfluenza A/B/C	0	0.0%	9
Rhinoviruses	1	12.5%	8
Human metapneumovirus (HMPV)	0	0.0%	7
Rota Virus	1	14.3%	7
Astrovirus	0	0.0%	5
coxsackieviruse	2	40.0%	5
Norovirus	0	0.0%	4
Variola virus / Small pox virus	0	0.0%	3
Influenza A	1	100.0%	1
Total	1296	12.6%	10276