

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

October 2018 - REPORT

DHR - Functional VRDLs (n=44)

	Medical college hospital	Outbreaks (n=10)	Total
Total no. of patients investigated by VRDLs	14847	494	15341
Total no. of samples tested	15275	498	15773
Total no. of tests run	24349	921	25270
Total cases positives (%)	3901 (26%)	260 (53%)	4161 (27%)

ICMR - Functional VRDLs (n=8)

	Medical college hospital	Outbreaks (n=3)	Total
Total no. of patients investigated by VRDLs	3752	127	3879
Total no. of samples tested	3914	127	4041
Total no. of tests run	9829	182	10011
Total cases positives (%)	1223 (33%)	109 (86%)	1332 (34%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs October 2018 (n=10)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
14. RMRC, Dibrugarh, Assam	Dibrugarh	Japanese Encephalitis	1	10	11
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	3	13	16
31. Guwahati MC, Guwahati, Assam	East Garo Hills	Measles	1	5	5
36. Dr. Rajendra Prasad GMC, Kangra, HP	Kangra	Dengue	1	42	60
52. GIPMER, Pondichery	Pondicherry	Chikungunya	1	13	19
	Pondicherry	Influenza A Pandemic H1N1	1	94	286
56. STNM Hospital, Gangtok, Sikkim	East Sikkim	Dengue	1	78	85
59. Govt. Medical College, Haldwani, Uttarakhand	Nainital	Mumps virus	1	5	7

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs October 2018 (n=3)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Nayagarh	Dengue	1	59	59
10. RIMS, Ranchi, Jharkhand	Godda	Japanese Encephalitis	1	10	11
	Hazaribag	Chikungunya	1	38	55

Table 2 A: Routine virus tested at DHR - VRDLs during October 2018 (n=25270)

Virus tested	Positive	Positive %	Total Tested
Dengue	2719	24.7%	11008
Influenza A Pandemic H1N1	566	25.5%	2219
Chikungunya	207	10.0%	2071
Hepatitis B virus (HBV)	211	13.1%	1611
Hepatitis C virus (HCV)	163	10.6%	1541
Influenza B	16	1.1%	1505
Hepatitis A virus (HAV)	111	19.2%	577
Japanese Encephalitis (JE)	81	14.3%	565
Hepatitis E virus (HEV)	52	9.9%	527
Influenza A H3N2	88	18.0%	489
Influenza A	21	5.1%	413
Herpes simplex virus (HSV)	7	2.4%	297
Adeno Virus	11	3.8%	292
RSV (Respiratory Syncytial Virus)	16	5.9%	273
Human metapneumovirus (HMPV)	3	1.1%	267
Rhinoviruses	10	3.7%	267
Parainfluenza A/B/C	2	0.9%	229
Cytomegalovirus (CMV)	9	5.7%	159
Parvovirus	21	13.8%	152
Influenza A H1N1	20	14.3%	140
Epstein-Barr-virus (EbV)	22	19.3%	114
orientia tsutsugamushi	37	33.6%	110
Measles	17	20.0%	85
VZV/Varicella Zoaster Virus	14	24.1%	58
Rubella Virus	3	5.3%	57
Rota Virus	7	14.3%	49
Zika virus	0	0.0%	39
Enterovirus	5	14.3%	35
Other Influenza	4	13.3%	30
Not in the list	15	68.2%	22
Mumps virus	6	28.6%	21
Human Boca virus	0	0.0%	20
HSV-2	1	7.7%	13
West Nile Virus	0	0.0%	6
Hepatitis D Virus (HDV)	0	0.0%	4
Coronavirus	0	0.0%	2
Parainfluenza 1/2/3/4	0	0.0%	2
No data	1	100.0%	1
Total	4466	17.7%	25270

Table 2 B: Routine virus tested at ICMR - VRDLs during October 2018 (n=10011)

Virus tested	Positive	Positive %	Total Tested
Influenza A Pandemic H1N1	721	30.3%	2380
Influenza B	36	1.6%	2253
Influenza A H3N2	159	7.1%	2250
Dengue	266	14.9%	1788
Japanese Encephalitis (JE)	24	13.1%	183
Herpes simplex virus (HSV)	6	3.3%	180
HSV-2	3	1.8%	167
Chikungunya	58	47.9%	121
Enterovirus	8	8.8%	91
VZV/Varicella Zoaster Virus	6	8.3%	72
Mumps virus	7	10.0%	70
RSV (Respiratory Syncytial Virus)	5	8.9%	56
Rubella Virus	28	56.0%	50
Not in the list	12	25.5%	47
Adeno Virus	0	0.0%	39
Cytomegalovirus (CMV)	11	28.2%	39
Hepatitis B virus (HBV)	6	22.2%	27
Hepatitis A virus (HAV)	14	56.0%	25
Hepatitis E virus (HEV)	0	0.0%	22
Epstein-Barr-virus (EbV)	5	27.8%	18
Measles	3	16.7%	18
Rota Virus	1	6.3%	16
Hepatitis C virus (HCV)	0	0.0%	15
Influenza A	5	41.7%	12
Norovirus	1	8.3%	12
Parvovirus	1	10.0%	10
Rhinoviruses	2	20.0%	10
Astrovirus	0	0.0%	9
No data	0	0.0%	8
Parainfluenza A/B/C	0	0.0%	8
Human metapneumovirus (HMPV)	0	0.0%	6
Kyasanur Forest Disease Virus	0	0.0%	4
coxsackieviruse	1	50.0%	2
Other Influenza	1	100.0%	1
Variola virus / Small pox virus	0	0.0%	1
Zika virus	0	0.0%	1
Total	1390	13.9%	10011