

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

September 2018 - REPORT

DHR – Functional VRDLs (n=42)

	Medical college hospital	Outbreaks (n=6)	Total
Total no. of patients investigated by VRDLs	13493	313	13806
Total no. of samples tested	13890	313	14203
Total no. of tests run	21339	441	21780
Total cases positives (%)	3146 (23%)	247 (79%)	3393 (25%)

ICMR – Functional VRDLs (n=6)

	Medical college hospital	Outbreaks (n=1)	Total
Total no. of patients investigated by VRDLs	2298	6	2304
Total no. of samples tested	2446	6	2452
Total no. of tests run	5804	10	5814
Total cases positives (%)	633 (28%)	5 (83%)	638 (28%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs September 2018 (n=6)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
14. RMRC, Dibrugarh, Assam	Dimapur	Dengue	1	20	20
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	2	11	15
39. GMC, Patiala, Punjab	Mansa	Mumps virus	1	3	5
52. GIPMER, Pondichery	Pondicherry	Chikungunya	1	84	103
56. STNM Hospital, Gangtok, Sikkim	East Sikkim	Dengue	1	128	166

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Tumkur	Varicella Zoaster Virus	1	3	3

Table 2 A: Routine virus tested at DHR - VRDLs during September 2018 (n=21780)

Virus tested	Positive	Positive %	Total Tested
Dengue	1823	19.9%	9180
Chikungunya	310	15.0%	2064
Hepatitis C virus (HCV)	192	11.2%	1714
Influenza A Pandemic H1N1	458	28.0%	1634
Hepatitis B virus (HBV)	230	15.7%	1463
Hepatitis A virus (HAV)	136	16.8%	810
Hepatitis E virus (HEV)	110	14.5%	761
Influenza B	23	3.4%	668
Japanese Encephalitis (JE)	169	25.3%	668
Herpes simplex virus (HSV)	9	2.5%	361
Influenza A	19	6.1%	312
Adeno Virus	10	4.0%	251
RSV (Respiratory Syncytial Virus)	59	23.6%	250
Human metapneumovirus (HMPV)	2	0.8%	244
Rhinoviruses	9	3.8%	236
Parainfluenza A/B/C	3	1.5%	194
Cytomegalovirus (CMV)	19	14.7%	129
Influenza A H3N2	30	27.0%	111
Parvovirus	17	16.8%	101
Epstein-Barr-virus (EbV)	8	8.8%	91
Not in the list	15	19.2%	78
Measles	13	20.6%	63
Zika virus	0	0.0%	51
Rota Virus	8	16.3%	49
VZV/Varicella Zoaster Virus	17	37.8%	45
Hepatitis D virus (HDV)	0	0.0%	44
Parainfluenza 1/2/3/4	0	0.0%	42
Other Influenza	10	25.0%	40
Rubella Virus	3	7.9%	38
Human Boca virus	1	3.3%	30
Enterovirus	2	9.5%	21
Mumps virus	6	30.0%	20
West Nile Virus	1	12.5%	8
HSV-2	0	0.0%	6
Leptospira	1	50.0%	2
Bocaparvoviruses	0	0.0%	1
Total	3713	17.0%	21780

Table 2 B: Routine virus tested at ICMR - VRDLs during September 2018 (n=5814)

Virus tested	Positive	Positive %	Total Tested
Dengue	145	9.3%	1551
Influenza A Pandemic H1N1	275	23.9%	1149
Influenza B	94	8.4%	1113
Influenza A H3N2	18	1.6%	1111
Leptospira	57	20.4%	279
Chikungunya	19	28.4%	67
Herpes simplex virus (HSV)	1	1.7%	60
RSV (Respiratory Syncytial Virus)	30	50.0%	60
Enterovirus	1	1.9%	52
HSV-2	0	0.0%	52
Japanese Encephalitis (JE)	1	2.0%	49
VZV/Varicella Zoaster Virus	5	10.2%	49
Mumps virus	3	7.3%	41
Not in the list	2	8.3%	24
Adeno Virus	0	0.0%	22
Rota Virus	8	53.3%	15
Astrovirus	1	7.1%	14
Norovirus	0	0.0%	14
Hepatitis A virus (HAV)	1	8.3%	12
Hepatitis E virus (HEV)	1	8.3%	12
Measles	0	0.0%	11
Epstein-Barr-virus (EbV)	0	0.0%	8
Cytomegalovirus (CMV)	2	33.3%	6
Hepatitis B virus (HBV)	1	16.7%	6
Hepatitis C virus (HCV)	0	0.0%	6
Kyasanur Forest Disease Virus	0	0.0%	6
Rubella Virus	0	0.0%	5
Nipah virus	0	0.0%	4
Rhinoviruses	1	25.0%	4
Influenza A	1	33.3%	3
Parvovirus	0	0.0%	3
Human metapneumovirus (HMPV)	0	0.0%	2
Other Influenza	2	100.0%	2
Parainfluenza A/B/C	0	0.0%	2
Total	669	11.5%	5814