

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

May 2018 - REPORT

DHR – Functional VRDLs (n=39)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	6929	63	6992
Total no. of samples tested	7145	64	7209
Total no. of tests run	12477	105	12582
Total cases positives (%)	1072 (15%)	28 (44%)	1100 (16%)

ICMR – Functional VRDLs (n=8)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	1865	33	1898
Total no. of samples tested	1840	34	1974
Total no. of tests run	4718	90	4808
Total cases positives (%)	466 (25%)	19 (58%)	485 (26%)

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Lucknow	Varicella Zoaster Virus	1	6	7
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	1	2	5
32. GMC, Tiruvanandapuram, Kerala	Kollam	Dengue	1	4	5
50. GMC, Trissure Kerala	Thrissur	Hepatitis A virus (HAV)	1	5	5
50. GMC, Trissure Kerala	Thrissur	Hepatitis E virus (HEV)	1	10	16
52. GIPMER, Pondichery	Karaikal	Norovirus	1	1	9

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
10. RIMS, Ranchi, Jharkhand	Dumka, Dhanbad, Khunti	Varicella Zoaster Virus	3	15	17
13. RMRIMS, Patna, Bihar	Muzaffarpur, Sitamarhi	Chikungunya	2	2	10

Table 2 A: Routine virus tested at DHR - VRDLs during May 2018 (n=12582)

Virus Tested	Positive	%	Total Tested
Dengue	198	7.7%	2577
Hepatitis C virus (HCV)	256	11.0%	2317
Hepatitis B virus (HBV)	183	8.8%	2085
Hepatitis A virus (HAV)	105	12.4%	849
Hepatitis E virus (HEV)	95	11.5%	826
Chikungunya	81	12.0%	673
Japanese Encephalitis(JE)	58	12.1%	480
Influenza A Pandemic H1N1	12	3.5%	343
Herpes simplex virus (HSV)	3	1.1%	283
Influenza B	13	4.8%	273
Parvovirus	8	4.1%	195
Cytomegalovirus (CMV)	6	4.2%	142
RSV (Respiratory Syncytial Virus)	7	5.0%	141
HSV-2	68	50.4%	135
Measles	26	23.2%	112
Human metapneumovirus (HMPV)	0	0.0%	107
Adeno Virus	5	5.0%	101
Rhinoviruses	10	9.9%	101
VZV/Varicella Zoaster Virus	23	22.8%	101
Human Parainfluenza virus 1/2/3/4	10	10.8%	93
Zika virus	0	0.0%	88
Epstein-Barr-virus (EbV)	6	7.8%	77
Influenza A	0	0.0%	75
Rubella Virus	2	2.7%	74
Influenza A H3N2	0	0.0%	66
Rota Virus	11	18.3%	60
Enterovirus	0	0.0%	45
Mumps virus	4	8.9%	45
Human Parecho Virus	0	0.0%	36
Parainfluenza A/B/C	2	9.1%	22
Norovirus	3	27.3%	11
Human Boca virus	0	0.0%	10
Other Influenza	0	0.0%	10
Hepatitis D virus (HDV)	0	0.0%	9
Not in the list	0	0.0%	9
Influenza A H1N1	0	0.0%	4
Astrovirus	0	0.0%	2
Sapovirus	0	0.0%	2
West Nile Virus	0	0.0%	2
No Data	1	100.0%	1
Total	1196	9.5%	12582

Table 2 B: Routine virus tested at ICMR - VRDLs during May 2018 (n=4808)

Virus Tested	Positive	%	Total Tested
Dengue	107	11.8%	903
Hepatitis B virus (HBV)	77	17.7%	436
Hepatitis C virus (HCV)	46	12.8%	358
Influenza A Pandemic H1N1	2	0.6%	320
Herpes simplex virus (HSV)	19	6.0%	319
Influenza A H3N2	1	0.3%	312
Influenza B	28	9.2%	306
Japanese Encephalitis(JE)	13	5.3%	247
Cytomegalovirus (CMV)	31	13.5%	229
Hepatitis A virus (HAV)	31	14.7%	211
Hepatitis E virus (HEV)	25	12.4%	202
Rubella Virus	54	29.7%	182
Chikungunya	14	8.0%	175
HSV-2	10	9.4%	106
VZV/Varicella Zoaster Virus	35	36.5%	96
Epstein-Barr-virus (EbV)	26	28.3%	92
Enterovirus	0	0.0%	63
Kyasanur?Forest?Disease?Virus	5	7.9%	63
Mumps virus	17	32.1%	53
Hepatitis D virus (HDV)	0	0.0%	39
Measles	8	26.7%	30
HSV-1	0	0.0%	15
Parvovirus	0	0.0%	12
Adeno Virus	1	12.5%	8
Rota Virus	0	0.0%	6
coxsackieviruse	1	25.0%	4
Influenza A	0	0.0%	4
Zika virus	0	0.0%	4
Not in the list	0	0.0%	3
Rhinoviruses	3	100.0%	3
Norovirus	0	0.0%	2
Astrovirus	0	0.0%	1
Bocaparvoviruses	0	0.0%	1
Human papillomavirus	0	0.0%	1
Other Influenza	0	0.0%	1
RSV (Respiratory Syncytial Virus)	0	0.0%	1
Total	554	11.5%	4808