

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

June 2018 - REPORT

DHR – Functional VRDLs (n=42)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	7023	67	7090
Total no. of samples tested	7191	67	7258
Total no. of tests run	11136	157	11293
Total cases positives (%)	1083 (15%)	33 (49%)	1116 (16%)

ICMR – Functional VRDLs (n=10)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	2120	183	2303
Total no. of samples tested	2257	190	2447
Total no. of tests run	5246	413	5659
Total cases positives (%)	587 (28%)	103 (56%)	690 (30%)

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
14. RMRC, Dibrugarh, Assam	Mon	Influenza B	1	5	10
15. GMC, Agartala, Tripura	Gomati	Measles	1	5	5
20. BJ Medical College, Ahmadabad, Gujarat	Porbandar	Measles	1	3	5
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	1	2	5
54. MGM Medical College, Dimna Chowk, Jamshedpur	East Singhbhum	Dengue	1	2	7
	East Singhbhum	Varicella Zoaster Virus	1	10	20

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs June 2018 (n=8)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Boudh	Hepatitis A virus	1	3	6
	Khordha	Dengue	1	57	100
	Khordha	Hepatitis A virus	1	8	8
	Rayagada	Dengue	1	7	7
10. RIMS, Ranchi, Jharkhand	East Singhbhum	Varicella Zoaster Virus	2	20	45
13. RMRIMS, Patna, Bihar	Sitamarhi	Japanese Encephalitis	1	3	4
	Muzaffarpur	Rubella Virus	1	1	7

Table 2 A: Routine virus tested at DHR - VRDLs during June 2018 (n=11293)

Virus Tested	Positive	%	Total Tested
Dengue	400	12.4%	3235
Hepatitis B virus (HBV)	117	7.2%	1625
Hepatitis C virus (HCV)	182	12.7%	1431
Hepatitis A virus (HAV)	115	13.0%	888
Hepatitis E virus (HEV)	99	11.6%	852
Chikungunya	86	12.5%	686
Japanese Encephalitis (JE)	43	9.6%	450
Herpes simplex virus (HSV)	4	1.5%	267
Influenza A Pandemic H1N1	2	1.0%	203
Influenza B	17	8.9%	191
RSV (Respiratory Syncytial Virus)	11	8.8%	125
Adeno Virus	14	11.3%	124
Cytomegalovirus (CMV)	18	15.3%	118
Influenza A	0	0.0%	115
Human metapneumovirus (HMPV)	0	0.0%	108
Rhinoviruses	4	3.8%	105
Zika virus	0	0.0%	99
Measles	27	32.1%	84
Parvovirus	12	14.3%	84
Human Parainfluenza virus 1/2/3/4	1	1.4%	72
Rubella Virus	1	1.6%	61
Influenza A H3N2	0	0.0%	40
VZV/Varicella Zoaster Virus	14	35.9%	39
Rota Virus	9	24.3%	37
Epstein-Barr-virus (EbV)	3	9.1%	33
Other Influenza	0	0.0%	33
HSV-2	0	0.0%	31
Enterovirus	1	3.6%	28
Norovirus	1	5.6%	18
Astrovirus	0	0.0%	17
Sapovirus	1	5.9%	17
Human Boca virus	1	7.1%	14
Coronavirus	0	0.0%	11
Human parechovirus	1	9.1%	11
Not in the list	0	0.0%	11
Mumps virus	4	44.4%	9
Parainfluenza A/B/C	1	11.1%	9
West Nile Virus	0	0.0%	8
Leptospirosis	0	0.0%	2
Scrub typhus	1	50.0%	2
Total	1190	10.5%	11293

Table 2 B: Routine virus tested at ICMR - VRDLs during June 2018 (n=5659)

Virus Tested	Positive	%	Total Tested
Dengue	366	23.8%	1540
Hepatitis B virus (HBV)	95	18.7%	508
Herpes simplex virus (HSV)	12	3.2%	375
Hepatitis C virus (HCV)	4	1.1%	371
Chikungunya	36	10.9%	331
Japanese Encephalitis (JE)	22	7.2%	307
Hepatitis A virus (HAV)	60	20.5%	292
Cytomegalovirus (CMV)	41	15.1%	272
Hepatitis E virus (HEV)	30	11.2%	269
Influenza A Pandemic H1N1	1	0.5%	221
Influenza B	27	12.7%	212
Influenza A H3N2	0	0.0%	210
Rubella Virus	37	23.9%	155
VZV/Varicella Zooster Virus	39	30.5%	128
Epstein-Barr-virus (EbV)	8	9.1%	88
HSV-2	5	6.1%	82
Enterovirus	0	0.0%	60
Mumps virus	14	35.0%	40
Not in the list	2	5.1%	39
Zika virus	0	0.0%	34
Parvovirus	0	0.0%	27
Measles	6	23.1%	26
Kyasanur Forest Disease Virus	1	4.8%	21
Adeno Virus	0	0.0%	9
Influenza A	0	0.0%	8
RSV (Respiratory Syncytial Virus)	2	25.0%	8
coxsackieviruse	2	28.6%	7
Rhinoviruses	4	80.0%	5
Rota Virus	0	0.0%	5
Astrovirus	0	0.0%	2
Leptospirosis	0	0.0%	2
Norovirus	0	0.0%	2
HIV -1	0	0.0%	1
Parainfluenza A/B/C	0	0.0%	1
West Nile Virus	0	0.0%	1
Total	814	14.4%	5659