

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

August 2018 - REPORT

DHR - Functional VRDLs (n=46)

	Medical college hospital	Outbreaks (n=7)	Total
Total no. of patients investigated by VRDLs	10056	332	10388
Total no. of samples tested	10245	332	10577
Total no. of tests run	16178	728	16906
Total cases positives (%)	1653 (16%)	175 (53%)	1828 (18%)

ICMR - Functional VRDLs (n=7)

	Medical college hospital	Outbreaks (n=5)	Total
Total no. of patients investigated by VRDLs	2159	433	2592
Total no. of samples tested	2222	434	2656
Total no. of tests run	5074	815	5889
Total cases positives (%)	549 (25%)	228 (53%)	777 (30%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs August 2018 (n=7)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
06. SMS Medical College, Jaipur, Rajasthan	Alwar	Measles	1	1	5
20. BJ Medical College, Ahmadabad, Gujarat	Botad	Measles	1	1	5
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	1	4	5
30. GMC, Theni, TN	Theni	Hepatitis E virus	1	6	32
34. NICED, Kolkatta, WB	East Singhbhum	Hepatitis E virus	1	51	93
54. MGM Medical College, Dimna Chowk, Jamshedpur	East Singhbhum	Hepatitis E virus	1	50	100
56. STNM Hospital, Gangtok, Sikkim	East Sikkim	Dengue	1	53	92

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Khordha, Puri	Dengue	2	42	139
10. RIMS, Ranchi, Jharkhand	Ranchi	Chikungunya	1	164	272
12. NIRTH, Jabalpur, MP	Dindori	Measles	1	6	9
13. RMRIMS, Patna, Bihar	Sheohar, Sitamarhi	Japanese Encephalitis	1	3	7

Table 2 A: Routine virus tested at DHR - VRDLs during August 2018 (n=16906)

Virus tested	Positive	Positive %	Total Tested
Dengue	764	12.7%	5994
Hepatitis C virus (HCV)	205	8.7%	2346
Hepatitis B virus (HBV)	159	8.0%	1999
Chikungunya	163	13.0%	1258
Hepatitis A virus (HAV)	139	12.9%	1079
Hepatitis E virus (HEV)	255	23.8%	1072
Japanese Encephalitis (JE)	97	19.2%	505
Influenza A Pandemic H1N1	24	6.2%	388
Herpes simplex virus (HSV)	10	2.6%	387
Influenza B	10	3.2%	309
Influenza A	1	0.5%	203
Cytomegalovirus (CMV)	25	12.8%	196
Zika virus	0	0.0%	114
Epstein-Barr-virus (EbV)	11	10.7%	103
Rubella Virus	7	8.1%	86
Parvovirus	12	14.1%	85
Measles	12	17.6%	68
VZV/Varicella Zooster Virus	11	17.5%	63
Enterovirus	2	3.3%	60
HSV-2	0	0.0%	60
Adeno Virus	1	2.0%	51
Human metapneumovirus (HMPV)	0	0.0%	51
RSV (Respiratory Syncytial Virus)	28	54.9%	51
Rota Virus	7	14.3%	49
Rhinoviruses	4	8.7%	46
Human Boca virus	1	2.2%	45
Parainfluenza 1/2/3/4	0	0.0%	39
West Nile	2	5.1%	39
Coronavirus	2	6.5%	31
Influenza A H3N2	7	22.6%	31
Human Parechovirus	0	0.0%	20
Mumps virus	1	5.9%	17
Not in the list	4	23.5%	17
Parainfluenza A/B/C	2	12.5%	16
Other Influenza	1	11.1%	9
Norovirus	0	0.0%	7
Astrovirus	0	0.0%	6
Taxo virus	0	0.0%	2
Bocaparvoviruses	0	0.0%	1
coxsackieviruse	0	0.0%	1
Human papillomavirus	0	0.0%	1
Influenza A-H2N2	0	0.0%	1
Total	1967	11.6%	16906

Table 2 B: Routine virus tested at ICMR - VRDLs during August 2018 (n=5889)

Virus tested	Positive	Positive %	Total Tested
Dengue	354	14.0%	2525
Influenza A Pandemic H1N1	19	3.6%	534
Influenza B	77	14.6%	527
Chikungunya	238	45.5%	523
Influenza A H3N2	2	0.4%	516
Hepatitis B virus (HBV)	16	11.0%	145
Herpes simplex virus (HSV)	9	7.0%	129
Japanese Encephalitis (JE)	10	7.8%	128
Hepatitis C virus (HCV)	0	0.0%	121
HSV-2	4	3.7%	108
Hepatitis A virus (HAV)	22	23.4%	94
RSV (Respiratory Syncytial Virus)	53	71.6%	74
Enterovirus	5	7.4%	68
VZV/Varicella Zoaster Virus	9	13.8%	65
Hepatitis E virus (HEV)	11	20.4%	54
Mumps virus	8	14.8%	54
Cytomegalovirus (CMV)	18	34.6%	52
Rubella Virus	15	32.6%	46
Measles	8	26.7%	30
Not in the list	4	13.3%	30
Adeno Virus	0	0.0%	14
Epstein-Barr-virus (EbV)	1	9.1%	11
Parvovirus	1	9.1%	11
Rota Virus	1	16.7%	6
Rhinoviruses	0	0.0%	4
Astrovirus	0	0.0%	3
Human metapneumovirus (HMPV)	1	33.3%	3
Norovirus	1	33.3%	3
Parainfluenza A/B/C	0	0.0%	3
Coronavirus	1	50.0%	2
coxsackieviruse	1	50.0%	2
HIV -1	0	0.0%	1
Influenza A	0	0.0%	1
Kyasanur Forest Disease Virus	0	0.0%	1
West Nile	0	0.0%	1
Total	889	15.1%	5889