

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

February 2018 - REPORT

DHR – Functional VRDLs (n=32)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	5714	58	5772
Total no. of samples tested	5862	58	5920
Total no. of tests run	10493	59	10552
Total cases positives (%)	924 (16%)	25 (43%)	949 (16%)

ICMR – Functional VRDLs (n=8)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	2087	54	2141
Total no. of samples tested	2189	55	2244
Total no. of tests run	4703	87	4790
Total cases positives (%)	372 (18%)	45 (83%)	417 (19%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs February 2018 (n=9)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
20. BJ Medical College, Ahmadabad, Gujarat	Botad, Kutch, Morbo, Rajkot, Surat	Measles	8	21	40
31. Guwahati MC, Guwahati, Assam	Churachandpur	Measles	1	4	5

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs February 2018 (n=6)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Davanagere	Varicella Zoaster Virus	2	6	11
04. RMRC, Bhubaneswar, Odisha	Cuttack	HAV / HEV	1	17	20
	Koraput	Measles	1	3	6
10. RIMS, Ranchi, Jharkhand	West Singhbhum	Varicella Zoaster Virus	1	4	5
	Chatra	Varicella Zoaster Virus	1	4	4

Table 2 A: Routine virus tested at DHR - VRDLs during February 2018 (n=10552)

Virus Tested	Positive	%	Total Tested
Dengue	198	8.8%	2241
Hepatitis C virus (HCV)	167	11.6%	1441
Hepatitis B virus (HBV)	171	18.4%	931
Chikungunya	80	10.9%	732
Hepatitis A virus (HAV)	74	11.5%	646
Hepatitis E virus (HEV)	59	9.4%	629
Influenza A Pandemic H1N1	25	4.2%	602
Japanese Encephalitis(JE)	18	4.9%	369
Herpes simplex virus (HSV)	14	4.2%	332
Cytomegalovirus (CMV)	34	12.3%	277
Not in the list	7	2.6%	271
Influenza B	16	7.5%	214
Enterovirus	0	0.0%	162
Adeno Virus	4	2.7%	146
Epstein-Barr-virus (EbV)	6	4.3%	140
Other Influenza	0	0.0%	132
Measles	41	31.5%	130
RSV (Respiratory Syncytial Virus)	27	21.3%	127
VZV/Varicella Zoaster Virus	6	5.2%	116
Parvovirus	17	14.8%	115
Rubella Virus	21	19.1%	110
HSV-2	1	1.0%	103
Human metapneumovirus (HMPV)	0	0.0%	103
Rhinoviruses	13	13.5%	96
Zika virus	0	0.0%	91
Influenza A H3N2	0	0.0%	72
Human Boca virus	0	0.0%	70
Rota Virus	24	35.8%	67
Coronavirus	6	11.1%	54
Parainfluenza A/B/C	0	0.0%	15
Astrovirus	0	0.0%	4
Norovirus	0	0.0%	4
Sapovirus	0	0.0%	4
Mumps virus	0	0.0%	3
Bocaparvoviruses	0	0.0%	1
Ebola virus	0	0.0%	1
Human papillomavirus	1	100.0%	1
Total	1030	9.8%	10552

Table 2 B: Routine virus tested at ICMR - VRDLs during February 2018 (n=4790)

Virus Tested	Positive	%	Total Tested
Dengue	53	5.5%	964
Influenza A Pandemic H1N1	2	0.3%	669
Influenza B	150	23.7%	634
Influenza A H3N2	0	0.0%	625
Hepatitis B virus (HBV)	56	24.7%	227
Herpes simplex virus (HSV)	8	4.5%	179
Hepatitis C virus (HCV)	6	3.4%	174
Japanese Encephalitis(JE)	7	4.2%	168
Chikungunya	25	16.1%	155
HSV-2	1	0.8%	121
VZV/Varicella Zoaster Virus	31	29.0%	107
Hepatitis E virus (HEV)	16	15.4%	104
Hepatitis A virus (HAV)	22	22.7%	97
Kyasanur Forest Disease Virus	10	13.0%	77
Enterovirus	1	1.4%	70
Rubella Virus	18	27.3%	66
Mumps virus	5	7.9%	63
Not in the list	0	0.0%	60
Cytomegalovirus (CMV)	5	9.8%	51
Measles	6	16.2%	37
Other Influenza	0	0.0%	27
Epstein-Barr-virus (EbV)	3	12.0%	25
Adeno Virus	0	0.0%	23
RSV (Respiratory Syncytial Virus)	0	0.0%	22
Parvovirus	2	15.4%	13
Human papillomavirus	0	0.0%	10
Rota Virus	0	0.0%	7
Rhinoviruses	0	0.0%	4
Human metapneumovirus (HMPV)	0	0.0%	3
Parainfluenza A/B/C	1	33.3%	3
No data	1	50.0%	2
Bocaparvoviruses	1	100.0%	1
coxsackieviruse	0	0.0%	1
HIV -1	0	0.0%	1
Total	430	9.0%	4790