

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

February 2020 - REPORT

Functional VRDLs (n=79)

	Medical college hospital	Outbreak / Disease cluster	Total
Total no. of patients investigated by VRDLs	22754	165	22919
Total no. of samples tested	23251	165	23416
Total no. of tests run	41078	394	41472
Total cases positives (%)	3573 (16%)	64 (39%)	3637 (16%)

Table 1: Suspected outbreaks diagnosed by VRDLs February 2020 (n=12)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
10. RIMS, Ranchi, Jharkhand	East Singhbhum, Khunti	Varicella Zoaster Virus	2	15	21
	Pakur	Measles	1	2	7
13. RMRIMS, Patna, Bihar	Saran	Hepatitis E virus	1	3	45
20. BJ Medical College, Ahmadabad, Gujarat	Gir Somnath, Mehsana	Measles	4	9	19
31. Guwahati MC, Guwahati, Assam	Chirang	Varicella Zoaster Virus	1	5	5
54. MGM Medical College, Dimna Chowk, Jamshedpur	Seraikela Kharsawan, East Singhbhum	Varicella Zoaster Virus	3	14	29

Note: Outbreaks with cases \geq 5 with at least 1 case positive are included

Table 2 : Routine virus tested at VRDLs during February 2020 (n=41472)

Virus Tested	Positive	%	Total Tested
Dengue	1151	11.5%	10042
Hepatitis B virus (HBV)	564	8.2%	6839
Hepatitis C virus (HCV)	269	4.5%	5914
Hepatitis E virus (HEV)	211	10.3%	2042
Chikungunya	438	21.9%	2003
Influenza A Pandemic H1N1	151	8.7%	1744
Influenza B	68	4.1%	1656
Hepatitis A virus (HAV)	228	15.2%	1502
Orientia tsutsugamushi (Scrub typhus)	188	13.6%	1384
Influenza A	77	7.4%	1042
Influenza A H3N2	17	1.9%	894
Cytomegalovirus (CMV)	130	17.3%	752
Japanese Encephalitis (JE)	51	6.8%	750
Herpes simplex virus (HSV)	62	8.7%	709
Rubella Virus	88	18.8%	468
Measles	105	23.7%	443
Leptospira	42	9.5%	440
Herpes simplex virus -1 (HSV-1)	28	7.1%	397
Epstein-Barr-virus (EBV)	61	15.7%	388
Herpes simplex virus -2 (HSV-2)	10	3.2%	308
Respiratory Syncytial Virus (RSV)	15	5.6%	269
Varicella Zooster Virus (VZV)	69	26.8%	257
Enterovirus	3	1.6%	192
Adeno Virus	32	18.9%	169
Zika virus	0	0.0%	138
Human metapneumovirus (HMPV)	6	4.8%	125
Parvovirus	24	22.0%	109
Hepatitis D virus (HDV)	1	1.0%	104
Rhinovirus	5	5.8%	86
Mumps virus	21	31.3%	67
Parainfluenza 1/2/3/4	4	7.1%	56
Human Boca virus	0	0.0%	37
West Nile virus (WNV)	0	0.0%	24
Human parechovirus (HPeV)	0	0.0%	19
Bocaparvovirus	1	5.6%	18
Rota Virus	4	28.6%	14
Influenza B Victoria	0	0.0%	13
Influenza B Yamagata	0	0.0%	11
Human papillomavirus	1	10.0%	10
Influenza A-H3N2	0	0.0%	6
Astrovirus	0	0.0%	4
Norovirus	0	0.0%	4
Influenza A untypable	1	33.3%	3
Influenza A-H2N2	0	0.0%	3
Sapovirus	0	0.0%	3

Not in the list/ No data	2	16.6%	12
Respiratory Syncytial virus A (RSVA)	0	0.0%	1
Respiratory Syncytial virus B (RSVB)	0	0.0%	1
Total	4128	10.0%	4142