

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

**March 2020 - REPORT**

Functional VRDLs (n=70)

	Medical college hospital	Outbreak / Disease cluster	Total
Total no. of patients investigated by VRDLs	12779	74	12853
Total no. of samples tested	13087	75	13162
Total no. of tests run	23817	175	23992
Total cases positives (%)	1765 (14%)	29 (39%)	1794 (14%)

**Table 1: Suspected outbreaks diagnosed by VRDLs March 2020 (n=4)**

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
09. King Institute, Chennai, TN	Perambalur	Varicella Zoaster Virus	1	4	5
14. RMRC, Dibrugarh, Assam	Dibrugarh	Influenza A Pandemic H1N1	1	10	41
31. Guwahati MC, Guwahati, Assam	Karimganj	Measles	1	5	5
89. S.C.B. Medical College and Hospital, Cuttack, Odisha	Cuttack	Hepatitis E virus	1	5	5

**Note: Outbreaks with cases >= 5 with at least 1 case positive are included**

**Table2 : Routine virus tested at VRDLsduring March 2020 (n=23992)**

<b>Virus tested</b>	<b>Positive</b>	<b>%</b>	<b>Total Tested</b>
Dengue	616	9.5%	6484
Hepatitis C virus (HCV)	195	7.6%	2568
Hepatitis B virus (HBV)	218	8.6%	2546
Influenza B	8	.4%	1788
Influenza A Pandemic H1N1	190	11.8%	1617
Chikungunya	214	15.7%	1366
Influenza A	113	9.3%	1221
Orientiatsutsugamushi (Scrub typhus)	125	11.0%	1141
Influenza A H3N2	23	2.7%	859
Hepatitis E virus (HEV)	75	9.4%	795
Hepatitis A virus (HAV)	73	10.0%	731
Japanese Encephalitis(JE)	20	5.8%	342
Rubella Virus	30	12.8%	234
Respiratory Syncytial Virus (RSV)	1	.5%	221
Herpes simplex virus (HSV)	7	3.2%	217
Herpes simplex virus -1 (HSV-1)	11	5.3%	208
Cytomegalovirus (CMV)	20	10.5%	191
Coronavirus	0	0.0%	152
Enterovirus	0	0.0%	151
Measles	17	12.4%	137
Herpes simplex virus -2 (HSV-2)	4	3.1%	131
Epstein-Barr-virus (EBV)	20	17.9%	112
West Nile virus (WNV)	0	0.0%	105
Parvovirus	28	28.6%	98
Human metapneumovirus (HMPV)	1	1.1%	92
Leptospira	4	5.2%	77
Varicella Zoaster Virus (VZV)	17	26.2%	65
Not in the list	11	11.5%	96
Zika virus	0	0.0%	52
Adeno Virus	3	8.3%	36
Parainfluenza 1/2/3/4	5	14.7%	34
Rhinovirus	5	16.1%	31
Mumps virus	21	77.8%	27
Respiratory Syncytial virus A (RSVA)	1	7.1%	14
Respiratory Syncytial virus B (RSVB)	1	7.1%	14
Hepatitis D virus (HDV)	0	0.0%	11
Human Boca virus	1	11.1%	9
Rota Virus	3	60.0%	5
Bocaparvovirus	0	0.0%	4
Influenza A-H2N2	1	33.3%	3
JC VIRUS	0	0.0%	2
RSV (Respiratory Syncytial Virus)	0	0.0%	2
Human parechovirus (HPeV)	0	0.0%	1
Influenza B Victoria	0	0.0%	1
Influenza B Yamagata	0	0.0%	1
<b>Total</b>	<b>2082</b>	<b>8.7%</b>	<b>23992</b>