

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

**August 2019 - REPORT**

Functional VRDLs(n=65)

	Medical college hospital	Disease Cluster	Total
Totalno.ofpatientsinvestigatedbyVRDLs	22105	105	22210
Total no. of samples tested	22457	105	22562
Total no. of tests run	38921	184	39105
Total cases positives (%)	4750 (21%)	52 (50%)	4802 (21%)

**Table 1A: Suspected outbreaks diagnosed by VRDLs August 2019 (n=11)**

<b>VRDL, State</b>	<b>Districts</b>	<b>Etiological Agent</b>	<b>No. of outbreaks</b>	<b>Positive Cases</b>	<b>Total cases tested</b>
03. KGMU, Lucknow, UP	Barabanki	Chikungunya	2	4	13
04. RMRC, Bhubaneswar, Odisha	Angul	Dengue	1	6	6
10. RIMS, Ranchi, Jharkhand	East Singhbhum	Hepatitis E virus	1	5	7
11. Andhra MC, Visakhapatnam, AP	Visakhapatnam	Dengue	1	2	2
15. GMC, Agartala, Tripura	Gomati	Hepatitis A virus	1	6	23
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	2	6	10
37. JNIMSH, Imphal-East, Manipur	Churachandpur	Japanese Encephalitis	1	5	8
	Churachandpur	Dengue	1	3	13
59. Govt. Medical College, Haldwani, Uttarakhand	Nainital	Dengue	1	14	21

**Table 2 A: Routine virus tested at VRDLs during August 2019 (n=39105)**

<b>Virus Tested</b>	<b>Positive</b>	<b>%</b>	<b>Total Tested</b>
Dengue	2710	17.8%	15254
Hepatitis C virus (HCV)	224	6.3%	3544
Hepatitis B virus (HBV)	375	11.6%	3234
Chikungunya	330	11.1%	2969
Japanese Encephalitis(JE)	303	15.4%	1963
Influenza B	212	12.7%	1672
Influenza A Pandemic H1N1	69	5.0%	1376
Hepatitis A virus (HAV)	224	18.2%	1233
Hepatitis E virus (HEV)	110	9.6%	1143
Orientia tsutsugamushi (Scrub typhus)	194	20.7%	939
Influenza A	123	14.6%	844
Influenza A H3N2	161	20.6%	783
Cytomegalovirus (CMV)	26	5.3%	488
Herpes simplex virus -1 (HSV-1)	12	2.6%	467
Herpes simplex virus -2 (HSV-2)	5	1.2%	430
Epstein-Barr-virus (EBV)	17	5.5%	307
Enterovirus	16	6.3%	256
Herpes simplex virus (HSV)	7	2.9%	243
Leptospira	29	11.9%	243
Varicella Zoaster Virus (VZV)	4	1.8%	218
Rubella Virus	25	12.7%	197
Measles	28	15.6%	180
West Nile virus (WNV)	0	0.0%	166
Zika virus	0	0.0%	166
Parvovirus	9	8.1%	111
Parainfluenza 1/2/3/4	1	1.2%	85
Human metapneumovirus (HMPV)	1	1.4%	72
Adeno Virus	5	7.5%	67
Hepatitis D virus (HDV)	1	1.6%	64
Rhinovirus	11	18.0%	61
Respiratory Syncytial virus A (RSVA)	2	3.6%	55
Respiratory Syncytial virus B (RSVB)	0	0.0%	55
Rota Virus	6	13.6%	44
Not in the list	8	23.5%	34
Mumps virus	7	22.6%	31
Influenza B Victoria	13	54.2%	24
Respiratory Syncytial Virus (RSV)	6	33.3%	18
Influenza B Yamagata	0	0.0%	17
Human papillomavirus	2	12.5%	16
Coronavirus	2	25.0%	8
Ebola virus	1	20.0%	5
Norovirus	0	0.0%	5
Astrovirus	0	0.0%	3
Coxsackievirus	0	0.0%	3
Chandipura virus (CHPV)	0	0.0%	2
Lassa virus	0	0.0%	2

Human Boca virus	0	0.0%	1
Human parechovirus (HPeV)	0	0.0%	1
Influenza A-H5N1	0	0.0%	1
MERS-CoV	0	0.0%	1
No data	0	0.0%	1
Rabies virus	0	0.0%	1
Reovirus	0	0.0%	1
Variola virus / Small pox virus	0	0.0%	1
Total	5279	13.5%	39105