

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

**June 2019 - REPORT**

DHR - Functional VRDLs(n=57)

	Medical college hospital	Outbreaks (n=12)	Total
Total no. of patients investigated by VRDLs	13859	166	14025
Total no. of samples tested	14133	170	14303
Total no. of tests run	24604	263	24867
Total cases positives (%)	2507 (18%)	79 (48%)	2586 (18%)

ICMR-Functional VRDLs(n=7)

	Medical college hospital	Outbreaks (n=4)	Total
Total no. of patients investigated by VRDLs	1688	16	1704
Total no. of samples tested	1802	16	1818
Total no. of tests run	3948	23	3971
Total cases positives (%)	433 (26%)	13 ((81%)	446 (26%)

**Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs June 2019 (n=12)**

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Lucknow	Varicella Zoaster Virus	3	15	18
14. RMRC, Dibrugarh, Assam	Dibrugarh, Sivasagar	Japanese Encephalitis	2	15	18
	Dibrugarh	Influenza A Pandemic H1N1	1	16	62
	West Khasi Hills	Scrub Typhus	1	8	21
21. Patna MC, Patna, Bihar	Vaishali, Madhubani	Varicella Zoaster Virus	2	4	15
31. Guwahati MC, Guwahati, Assam	Barpeta	Varicella Zoaster Virus	1	5	5
41. IPGIMER, Kolkata, WB	Kolkata	Hepatitis A virus	1	6	6
54. MGM Medical College, DimnaChowk, Jamshedpur	East Singhbhum	Japanese Encephalitis	1	3	11

**Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs June 2019 (n=4)**

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Thrissur	Japanese Encephalitis	1	2	2
10. RIMS, Ranchi, Jharkhand	Dhanbad	Varicella Zoaster Virus	2	10	10
11. Andhra MC, Visakhapatnam, AP	Visakhapatnam	Dengue	1	1	3

**Table 2 A: Routine virus tested at DHR - VRDLs during June 2019 (n=24867)**

<b>Virus Tested</b>	<b>Positi ve</b>	<b>%</b>	<b>Total Tested</b>
Dengue	895	12.1%	7418
Hepatitis C virus (HCV)	265	9.1%	2924
Hepatitis B virus (HBV)	388	14.3%	2720
Chikungunya	104	6.9%	1518
Hepatitis A virus (HAV)	209	15.7%	1330
Hepatitis E virus (HEV)	140	11.0%	1274
Influenza B	45	3.9%	1157
Influenza A Pandemic H1N1	113	11.5%	985
Japanese Encephalitis(JE)	167	19.0%	881
Influenza A H3N2	121	19.6%	618
Herpes simplex virus (HSV)	28	5.1%	544
Cytomegalovirus (CMV)	52	10.0%	519
Influenza A	4	.8%	491
Epstein-Barr-virus (EbV)	24	8.5%	281
orientia tsutsugamushi	32	16.3%	196
Rubella Virus	23	12.0%	191
HSV-2	5	2.7%	182
Scrub Typhus	16	9.6%	166
VZV/Varicella Zoaster Virus	28	17.2%	163
Zika virus	0	0.0%	158
Enterovirus	26	17.1%	152
Parvovirus	26	17.6%	148
Measles	39	29.8%	131
Not in the list	16	12.8%	125
Rota Virus	5	5.9%	85
Adeno Virus	3	4.3%	69
West Nile Virus	0	0.0%	61
Human papillomavirus	8	13.6%	59
RSV (Respiratory Syncytial Virus)	0	0.0%	56
Human metapneumovirus (HMPV)	1	2.6%	39
Parainfluenza A/B/C	2	6.3%	32
Norovirus	0	0.0%	28
Rhinoviruses	3	10.7%	28
Human Boca virus	0	0.0%	25
Astrovirus	2	9.1%	22
Coronavirus	0	0.0%	21
Mumps virus	3	23.1%	13
HHV 6	0	0.0%	12
HHV 7	0	0.0%	12
HPV B19	0	0.0%	12
Other Influenza	0	0.0%	8
Sapovirus	0	0.0%	5
Hepatitis D virus (HDV)	0	0.0%	4
BK VIRUS	0	0.0%	1
HHV	0	0.0%	1
Human parecho virus	0	0.0%	1

Human parechovirus	0	0.0%	1
Total	2793	11.2%	24867

**Table 2 B: Routine virus tested at ICMR - VRDLs during June 2019 (n=3971)**

<b>Virus Tested</b>	<b>Positi ve</b>	<b>%</b>	<b>Total Tested</b>
Dengue	170	18.8%	904
Influenza A Pandemic H1N1	65	14.5%	447
Influenza A H3N2	51	12.1%	421
Influenza B	7	2.0%	350
Herpes simplex virus (HSV)	11	4.7%	235
Japanese Encephalitis(JE)	14	6.4%	219
HSV-2	9	4.5%	202
Hepatitis B virus (HBV)	52	30.8%	169
Rubella Virus	41	27.2%	151
Hepatitis C virus (HCV)	6	4.3%	138
Cytomegalovirus (CMV)	19	14.1%	135
Measles	9	9.2%	98
Chikungunya	11	12.2%	90
Epstein-Barr-virus (EbV)	11	19.6%	56
Hepatitis A virus (HAV)	11	22.0%	50
Hepatitis D virus (HDV)	0	0.0%	48
Hepatitis E virus (HEV)	2	4.2%	48
VZV/Varicella Zoaster Virus	18	42.9%	42
Mumps virus	5	14.3%	35
Enterovirus	1	3.7%	27
Influenza A	19	100.0%	19
Parvovirus	1	5.3%	19
Kyasanur Forest Disease Virus	1	9.1%	11
coxsackieviruse	1	10.0%	10
West Nile Virus	1	11.1%	9
Not in the list	2	25.0%	8
Zika virus	0	0.0%	8
Scrub Typhus	0	0.0%	7
Adeno Virus	1	20.0%	5
Human metapneumovirus (HMPV)	0	0.0%	2
Parainfluenza A/B/C	0	0.0%	2
Rhinoviruses	0	0.0%	2
RSV (Respiratory Syncytial Virus)	0	0.0%	2
Human Boca virus	1	100.0%	1
Rota Virus	0	0.0%	1
Total	540	13.6%	3971