

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

**April 2018 - REPORT**

**DHR – Functional VRDLs (n=35)**

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	5697	90	5787
Total no. of samples tested	5869	100	5969
Total no. of tests run	9864	101	9965
Total cases positives (%)	864 (15%)	38 (42%)	902 (16%)

**ICMR – Functional VRDLs (n=7)**

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	1761	37	1798
Total no. of samples tested	1787	38	1825
Total no. of tests run	4092	86	4178
Total cases positives (%)	369(21%)	26 (70%)	395 (22%)

**Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs April2018 (n=7)**

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Lucknow	Varicella Zoaster Virus	2	12	12
06. SMS Medical College, Jaipur, Rajasthan	Nagaur	Measles	1	1	15
21. Patna MC, Patna, Bihar	Jahanabad, Vaishali	Varicella Zoaster Virus	2	6	23
37. JNIMSH, Imphal-East, Manipur	Senapati	Japanese Encephalitis	1	8	25
52. GIPMER, Pondichery	Viluppuram	Hepatitis A virus	1	5	5

**Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs April 2018(n=4)**

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Jagatsinghpur	Measles	1	2	5
	Khordha	Hepatitis E virus	1	6	7
10. RIMS, Ranchi, Jharkhand	Jamtara, Lohardaga, Dhanbad	Varicella Zoaster Virus	2	15	17

**Table 2 A: Routine virus tested at DHR - VRDLsduring April2018(n=9965)**

<b>Virus Tested</b>	<b>Positive</b>	<b>%</b>	<b>Total Tested</b>
Dengue	117	5.4	2159
Hepatitis C virus (HCV)	215	11.8	1819
Hepatitis B virus (HBV)	185	14.7	1261
Hepatitis A virus (HAV)	87	13.4	650
Hepatitis E virus (HEV)	75	11.6	648
Chikungunya	44	7.8	565
Influenza A Pandemic H1N1	9	2.4	377
Influenza B	28	10.4	270
Herpes simplex virus (HSV)	6	2.3	256
Japanese Encephalitis(JE)	24	9.4	255
Not in the list	19	8.0	238
Cytomegalovirus (CMV)	8	5.2	154
Measles	22	18.0	122
Parvovirus	21	18.1	116
Zika virus	0	0.0	109
RSV (Respiratory Syncytial Virus)	9	8.4	107
Adeno Virus	1	0.9	106
Human metapneumovirus (HMPV)	0	0.0	98
Rubella Virus	0	0.0	97
VZV/Varicella Zoaster Virus	40	42.1	95
Rhinoviruses	6	6.5	93
Other Influenza	3	3.5	86
Epstein-Barr-virus (EbV)	9	11.8	76
Human Boca virus	0	0.0	54
Influenza A H3N2	0	0.0	47
Rota Virus	20	47.6	42
Enterovirus	0	0.0	23
Mumps virus	3	18.8	16
HSV-2	1	8.3	12
Parainfluenza 1,2,3,4	0	0.0	5
Parainfluenza A/B/C	0	0.0	5
Influenza A	0	0.0	4
<b>Total</b>	<b>952</b>	<b>9.6</b>	<b>9965</b>

**Table 2 B: Routine virus tested at ICMR - VRDLsduring April2018(n=4178)**

<b>Virus Tested</b>	<b>Positive</b>	<b>%</b>	<b>Total Tested</b>
Dengue	63	8.9	709
Hepatitis B virus (HBV)	61	13.9	439
Influenza A Pandemic H1N1	5	1.4	367
Influenza B	59	16.7	353
Influenza A H3N2	2	0.6	351
Hepatitis C virus (HCV)	7	2.1	336
Hepatitis A virus (HAV)	20	11.0	182
Hepatitis E virus (HEV)	30	16.6	181
Herpes simplex virus (HSV)	9	5.5	164
Chikungunya	10	6.6	152
HSV-2	4	2.8	143
Japanese Encephalitis(JE)	5	3.5	141
Kyasanur Forest Disease Virus	25	18.2	137
Rubella Virus	58	43.3	134
Cytomegalovirus (CMV)	6	8.7	69
VZV/Varicella Zoaster Virus	28	41.8	67
Measles	6	12.5	48
Not in the list	0	0.0	42
Mumps virus	12	37.5	32
Enterovirus	1	4.0	25
RSV (Respiratory Syncytial Virus)	1	5.3	19
Epstein-Barr-virus (EbV)	3	16.7	18
Adeno Virus	3	25.0	12
Rota Virus	2	16.7	12
Parvovirus	2	18.2	11
Other Influenza	0	0.0	8
Parainfluenza A/B/C	0	0.0	8
Human metapneumovirus (HMPV)	0	0.0	6
Rhinoviruses	3	75.0	4
Astrovirus	0	0.0	2
Norovirus	0	0.0	2
Zika virus	0	0.0	2
coxsackieviruse	0	0.0	1
Human papillomavirus	0	0.0	1
<b>Total</b>	<b>425</b>	<b>10.2</b>	<b>4178</b>