

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

**July 2018 - REPORT**

**DHR - Functional VRDLs (n=45)**

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	9004	29	9033
Total no. of samples tested	9147	31	9178
Total no. of tests run	15273	33	15306
Total cases positives (%)	1573 (17%)	19 (66%)	1592 (18%)

**ICMR - Functional VRDLs (n=10)**

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	2597	254	2851
Total no. of samples tested	2727	254	2981
Total no. of tests run	6174	523	6697
Total cases positives (%)	648 (25%)	133 (52%)	781 (27%)

**Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs July 2018 (n=5)**

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
20. BJ Medical College, Ahmadabad, Gujarat	Surendranagar, Jamnagar	Measles	2	10	11
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	3	8	15

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Khordha	Dengue	1	108	229
	Jajpur	Measles	1	4	7
10. RIMS, Ranchi, Jharkhand	Khunti, Dumka	Measles	1	4	5
	East Singhbhum	Varicella Zooster Virus	1	5	10

**Table 2 A: Routine virus tested at DHR - VRDLs during July 2018 (n=15306)**

<b>Virus Tested</b>	<b>Positive</b>	<b>%</b>	<b>Total Tested</b>
Dengue	482	10.9%	4428
Hepatitis C virus (HCV)	200	8.3%	2403
Hepatitis B virus (HBV)	190	8.3%	2283
Hepatitis A virus (HAV)	196	16.6%	1180
Hepatitis E virus (HEV)	219	19.5%	1125
Chikungunya	168	15.5%	1085
Japanese Encephalitis (JE)	120	21.6%	555
Herpes simplex virus (HSV)	16	5.1%	311
Influenza A Pandemic H1N1	9	3.7%	241
Influenza B	20	9.7%	206
Zika virus	0	0.0%	181
Cytomegalovirus (CMV)	14	8.3%	168
HSV-2	0	0.0%	100
RSV (Respiratory Syncytial Virus)	7	7.0%	100
Not in the list	1	1.0%	99
Other Influenza	1	1.1%	94
Rubella Virus	3	3.6%	84
Measles	19	27.9%	68
Adeno Virus	0	0.0%	65
Rhinoviruses	3	4.8%	63
Human metapneumovirus (HMPV)	0	0.0%	62
Parvovirus	8	13.1%	61
Scrub typhus	26	44.1%	59
Epstein-Barr-virus (EbV)	2	3.6%	55
Influenza A H3N2	0	0.0%	54
Rota Virus	3	6.8%	44
VZV/Varicella Zoaster Virus	6	13.6%	44
Enterovirus	1	2.4%	42
Human Boca virus	0	0.0%	14
Mumps virus	3	21.4%	14
Coronavirus	0	0.0%	9
West Nile Virus	0	0.0%	7
Hepatitis D virus (HDV)	0	0.0%	1
Parainfluenza A/B/C	0	0.0%	1
<b>Total</b>	<b>1717</b>	<b>11.2%</b>	<b>15306</b>

**Table 2 B: Routine virus tested at ICMR - VRDLs during July 2018 (n=6697)**

<b>Virus Tested</b>	<b>Positive</b>	<b>%</b>	<b>Total Tested</b>
Dengue	479	22.6%	2122
Hepatitis B virus (HBV)	83	14.9%	558
Chikungunya	48	9.2%	523
Hepatitis C virus (HCV)	9	2.0%	451
Influenza A Pandemic H1N1	0	0.0%	377
Influenza B	54	14.4%	376
Influenza A H3N2	2	0.5%	372
Herpes simplex virus (HSV)	26	7.1%	365
Japanese Encephalitis (JE)	10	4.2%	240
Cytomegalovirus (CMV)	28	13.0%	216
Hepatitis A virus (HAV)	46	28.2%	163
HSV-2	8	5.0%	160
Hepatitis E virus (HEV)	18	11.9%	151
Rubella Virus	22	20.0%	110
VZV/Varicella Zooster Virus	12	11.5%	104
Epstein-Barr-virus (EbV)	9	11.7%	77
Enterovirus	1	1.4%	69
Mumps virus	7	11.9%	59
Not in the list	8	15.4%	52
Measles	10	32.3%	31
RSV (Respiratory Syncytial Virus)	18	58.1%	31
Hepatitis D virus (HDV)	0	0.0%	28
Zika virus	0	0.0%	15
Kyasanur Forest Disease Virus	0	0.0%	10
Parvovirus	2	22.2%	9
Adeno Virus	0	0.0%	7
Other Influenza	0	0.0%	6
Nipah virus	0	0.0%	4
Norovirus	0	0.0%	3
Astrovirus	0	0.0%	2
Rhinoviruses	0	0.0%	2
Rota Virus	1	50.0%	2
coxsackieviruse	0	0.0%	1
Parainfluenza A/B/C	0	0.0%	1
<b>Total</b>	<b>901</b>	<b>13.5%</b>	<b>6697</b>