

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

March 2018 - REPORT

DHR – Functional VRDLs (n=31)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	6403	142	6545
Total no. of samples tested	6591	142	6733
Total no. of tests run	9853	214	10067
Total cases positives (%)	759 (12%)	94 (66%)	853 (13%)

ICMR – Functional VRDLs (n=9)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	1885	5	1890
Total no. of samples tested	1922	5	1927
Total no. of tests run	4517	5	4522
Total cases positives (%)	436 (23%)	5 (100%)	441 (23%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs March 2018 (n=19)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Raebareli	Measles	1	6	6
06. SMS Medical College, Jaipur, Rajasthan	Bharatpur	Hepatitis B virus	1	1	10
20. BJ Medical College, Ahmadabad, Gujarat	Bhavnagar, Gir Somnath, Kutch, Morbi, Porbandar, Rajkot, Surat, Valsad, Surendrangar	Measles	12	44	60
21. Patna MC, Patna, Bihar	Samastipur	Varicella Zoaster	1	1	5
28. Madurai MC, Madurai, TN	Madurai	Chikungunya	2	6	10
37. JNIMSH, Imphal-East, Manipur	Tamenglong	Measles	1	6	6
50. GMC, Trissure Kerala	Thrissur	Chikungunya	1	30	30

**Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs March 2018
(n=0)**

Table 2 A: Routine virus tested at DHR - VRDLs during March 2018 (n=10067)

Virus Tested	Positive	%	Total Tested
Dengue	149	6.8%	2194
Hepatitis C virus (HCV)	178	9.9%	1795
Hepatitis B virus (HBV)	156	9.4%	1655
Chikungunya	104	15.1%	690
Hepatitis A virus (HAV)	77	12.7%	607
Hepatitis E virus (HEV)	60	10.4%	578
Japanese Encephalitis(JE)	23	7.1%	325
Influenza A Pandemic H1N1	13	4.2%	313
Herpes simplex virus (HSV)	6	1.9%	310
Measles	76	37.8%	201
Cytomegalovirus (CMV)	10	6.0%	167
Influenza B	21	12.9%	163
Not in the list	3	2.4%	125
Other Influenza	2	1.7%	120
Parvovirus	11	9.2%	120
Rubella Virus	6	6.1%	99
Zika virus	0	0.0%	81
Epstein-Barr-virus (EbV)	4	5.1%	78
VZV/Varicella Zoaster Virus	3	4.0%	75
Influenza A H3N2	0	0.0%	72
Enterovirus	0	0.0%	64
Adeno Virus	1	1.9%	52
Rota Virus	12	35.3%	34
Rhinoviruses	0	0.0%	32
HSV-2	0	0.0%	31
RSV (Respiratory Syncytial Virus)	2	8.0%	25
Human Boca virus	0	0.0%	19
Human metapneumovirus (HMPV)	0	0.0%	17
Parainfluenza A/B/C	2	14.3%	14
Mumps virus	1	9.1%	11
Total	920	9.1%	10067

Table 2 B: Routine virus tested at ICMR - VRDLs during March 2018 (n=4522)

Virus Tested	Positive	%	Total Tested
Dengue	36	5.2%	690
Influenza A Pandemic H1N1	2	0.3%	651
Influenza A H3N2	1	0.2%	632
Influenza B	180	28.5%	632
Hepatitis B virus (HBV)	55	17.2%	320
Hepatitis C virus (HCV)	6	2.5%	244
Kyasanur?Forest?Disease?Virus	41	25.8%	159
Herpes simplex virus (HSV)	12	7.8%	153
Chikungunya	12	9.5%	126
Japanese Encephalitis(JE)	6	5.0%	121
HSV-2	7	6.7%	104
Hepatitis E virus (HEV)	4	4.7%	85
Hepatitis A virus (HAV)	10	12.2%	82
VZV/Varicella Zooster Virus	13	16.7%	78
Rubella Virus	49	63.6%	77
Enterovirus	4	5.9%	68
Mumps virus	4	5.9%	68
Not in the list	0	0.0%	45
Cytomegalovirus (CMV)	7	17.5%	40
Epstein-Barr-virus (EbV)	6	25.0%	24
Adeno Virus	1	4.3%	23
RSV (Respiratory Syncytial Virus)	0	0.0%	19
Rota Virus	2	11.1%	18
Parvovirus	4	23.5%	17
Measles	1	8.3%	12
Norovirus	0	0.0%	12
Astrovirus	0	0.0%	7
Other Influenza	2	33.3%	6
Bocaparvoviruses	0	0.0%	4
coxsackieviruse	0	0.0%	2
HIV -1	0	0.0%	1
Nipah virus	0	0.0%	1
Rhinoviruses	0	0.0%	1
Total	465	10.3%	4522