

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

January 2018 - REPORT

DHR – Functional VRDLs (n=28)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	6047	56	6103
Total no. of samples tested	6205	65	6270
Total no. of tests run	9923	65	9988
Total cases positives (%)	917 (15%)	32 (57%)	949 (16%)

ICMR – Functional VRDLs (n=7)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	1577	13	1590
Total no. of samples tested	1635	13	1648
Total no. of tests run	3703	18	3727
Total cases positives (%)	301 (19%)	10 (77%)	311 (20%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs January 2018 (n=6)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Lucknow	Varicella Zoaster Virus	1	5	5
14. RMRC, Dibrugarh, Assam	Kamrup Metropolitan	Varicella Zoaster Virus	1	5	8
20. BJ Medical College, Ahmadabad, Gujarat	Dang, Bhavnagar, Kutchh, Pata	Measles	4	20	20

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs January 2018 (n=3)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Udupi	Japanese Encephalitis(JE)	1	3	3
04. RMRC, Bhubaneswar, Odisha	Jajpur	Varicella Zoaster Virus	1	4	5
	Koraput	Hepatitis A virus (HAV)	1	3	5

Table 2 A: Routine virus tested at DHR - VRDLs during January 2018 (n=9988)

Virus Tested	Positive	%	Total Tested
Adeno Virus	2	2.4	85
Bocaparvoviruses	0	0.0	1
Chikungunya	123	15.8	778
Coronavirus	1	7.1	14
Cytomegalovirus (CMV)	6	4.5	133
Dengue	337	12.3	2730
Enterovirus	2	5.7	35
Epstein-Barr-virus (EbV)	7	14.3	49
Hepatitis A virus (HAV)	41	8.3	492
Hepatitis B virus (HBV)	134	9.9	1359
Hepatitis C virus (HCV)	146	8.4	1737
Hepatitis E virus (HEV)	52	10.9	479
Herpes simplex virus (HSV)	5	1.9	257
HSV-2	0	0.0	10
Human Boca virus	0	0.0	32
Human metapneumovirus (HMPV)	1	1.6	61
Influenza A H3N2	2	2.4	83
Influenza A Pandemic H1N1	30	6.0	504
Influenza B	6	5.5	110
Japanese Encephalitis(JE)	12	4.4	272
Measles	39	38.6	101
Mumps virus	2	33.3	6
Not in the list	4	5.1	79
Other Influenza	0	0.0	81
Parainfluenza A/B/C	0	0.0	16
Parvovirus	24	20.7	116
Rhinoviruses	5	11.6	43
Rota Virus	9	81.8	11
RSV (Respiratory Syncytial Virus)	14	21.9	64
Rubella Virus	0	0.0	85
VZV/Varicella Zoaster Virus	23	31.1	74
Zika virus	0	0.0	91
Total	1027	10.3	9988

Table 2 B: Routine virus tested at ICMR - VRDLs during January 2018 (n=3727)

Virus Tested	Positive	%	Total Tested
Adeno Virus	3	23.1	13
Astrovirus	0	0.0	2
Chikungunya	23	17.4	132
Cytomegalovirus (CMV)	7	29.2	24
Dengue	108	11.6	934
Enterovirus	0	0.0	66
Epstein-Barr-virus (EbV)	2	40.0	5
Hepatitis A virus (HAV)	12	50.0	24
Hepatitis B virus (HBV)	3	17.6	17
Hepatitis C virus (HCV)	2	14.3	14
Hepatitis E virus (HEV)	3	13.6	22
Herpes simplex virus (HSV)	7	6.1	114
HSV-2	2	1.8	110
Human papillomavirus	0	0.0	6
Influenza A	0	0.0	4
Influenza A H3N2	2	0.4	560
Influenza A Pandemic H1N1	7	1.2	565
Influenza B	61	11.0	557
Japanese Encephalitis(JE)	14	12.4	113
Kyasanur Forest Disease Virus	17	10.4	164
Measles	3	25.0	12
Mumps virus	5	6.9	72
Norovirus	0	0.0	4
Not in the list	1	16.7	6
Not in the List	0	0.0	2
Other Influenza	0	0.0	6
Parvovirus	0	0.0	5
Rhinoviruses	2	100.0	2
Rota Virus	1	50.0	2
RSV (Respiratory Syncytial Virus)	2	9.1	22
Rubella Virus	20	43.5	46
VZV/Varicella Zoaster Virus	34	34.0	100
West Nile	0	0.0	2
Total	341	9.1	3727