

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

December 2018 - REPORT

DHR - Functional VRDLs (n=46)

	Medical college hospital	Outbreaks (n=6)	Total
Total no. of patients investigated by VRDLs	11918	78	11996
Total no. of samples tested	12187	92	12279
Total no. of tests run	20745	177	20922
Total cases positives (%)	1799 (15%)	40 (51%)	1839 (15%)

ICMR - Functional VRDLs (n=7)

	Medical college hospital	Outbreaks (n=4)	Total
Total no. of patients investigated by VRDLs	3025	29	3054
Total no. of samples tested	3156	29	3185
Total no. of tests run	8275	76	8351
Total cases positives (%)	775 (26%)	26 (90%)	801 (26%)

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Jalaun	Mumps virus	1	4	8
06. SMS Medical College, Jaipur, Rajasthan	Udaipur	Measles	1	5	5
20. BJ Medical College, Ahmadabad, Gujarat	Anand	Measles	1	2	4
29. SVIMS, Tirupathi, AP	Chittoor	Influenza A Pandemic H1N1	2	13	29
52. GIPMER, Pondichery	Pondicherry	Influenza A Pandemic H1N1	1	9	29

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Udupi, Belgaum, Uttara Kannada	Japanese Encephalitis	1	6	7
10. RIMS, Ranchi, Jharkhand	Godda	Dengue	1	10	13
	Dhanbad, Jamtara	Varicella Zoaster Virus	2	8	8

Table 2 A: Routine virus tested at DHR - VRDLs during December 2018 (n=20922)

Virus	Positive	%	Tested
Dengue	658	9.5%	6937
Hepatitis B virus (HBV)	245	10.5%	2336
Hepatitis C virus (HCV)	148	6.5%	2278
Chikungunya	130	8.6%	1513
Influenza A Pandemic H1N1	226	18.3%	1238
Influenza B	11	1.1%	1027
Hepatitis E virus (HEV)	73	7.6%	958
Hepatitis A virus (HAV)	139	14.6%	953
Influenza A H3N2	23	4.4%	528
Japanese Encephalitis (JE)	57	11.8%	483
Influenza A	52	10.9%	477
Herpes simplex virus (HSV)	5	1.3%	378
Cytomegalovirus (CMV)	33	11.8%	279
Zika virus	0	0.0%	263
Parvovirus	26	16.3%	160
Epstein-Barr-virus (EbV)	13	8.8%	148
orientia tsutsugamushi	42	30.7%	137
Adeno Virus	5	3.7%	135
Rota Virus	57	42.9%	133
Measles	31	30.1%	103
RSV (Respiratory Syncytial Virus)	1	1.4%	69
Human metapneumovirus (HMPV)	0	0.0%	58
Rhinoviruses	4	7.5%	53
VZV/Varicella Zoaster Virus	11	22.9%	48
Other Influenza	2	5.3%	38
Rubella Virus	2	6.5%	31
Mumps virus	9	32.1%	28
Parainfluenza A/B/C	3	10.7%	28
Enterovirus	0	0.0%	25
Not in the list	1	4.5%	22
HSV-2	1	4.8%	21
Human Boca virus	1	4.8%	21
Hepatitis D Virus (HDV)	0	0.0%	8
West Nile Virus	0	0.0%	3
Bocaparvoviruses	0	0.0%	2
Coronavirus	0	0.0%	2
Influenza A-H5N1	0	0.0%	1
Total	2009	9.6%	20922

Table 2 B: Routine virus tested at ICMR - VRDLs during December 2018 (n=8351)

Virus	Positive	%	Tested
Influenza A Pandemic H1N1	337	22.3%	1508
Influenza B	5	0.3%	1434
Influenza A H3N2	82	5.9%	1401
Dengue	126	11.3%	1114
Hepatitis B virus (HBV)	63	19.0%	332
Herpes simplex virus (HSV)	16	5.0%	318
Hepatitis C virus (HCV)	5	1.7%	293
HSV-2	6	2.1%	286
Japanese Encephalitis(JE)	44	16.7%	264
Chikungunya	17	9.8%	174
Cytomegalovirus (CMV)	33	19.8%	167
Rubella Virus	41	36.9%	111
Enterovirus	3	2.9%	105
Mumps virus	18	18.0%	100
VZV/Varicella Zoaster Virus	16	16.0%	100
Adeno Virus	2	2.7%	73
RSV (Respiratory Syncytial Virus)	2	3.4%	59
Hepatitis D Virus (HDV)	0	0.0%	57
Epstein-Barr-virus (EbV)	14	26.9%	52
Measles	12	24.0%	50
Kyasanur?Forest?Disease?Virus	8	16.7%	48
Hepatitis A virus (HAV)	16	37.2%	43
Hepatitis E virus (HEV)	3	7.7%	39
Not in the list	3	8.3%	36
Parvovirus	5	16.7%	30
Influenza A	17	60.7%	28
Rhinoviruses	4	14.3%	28
Parainfluenza A/B/C	1	3.7%	27
Human metapneumovirus (HMPV)	0	0.0%	25
Norovirus	3	21.4%	14
Astrovirus	0	0.0%	10
Rota Virus	2	20.0%	10
Zika virus	0	0.0%	3
Coronavirus	0	0.0%	2
coxsackieviruse	0	0.0%	2
Nipah virus	0	0.0%	2
Other Influenza	1	50.0%	2
Human papillomavirus	0	0.0%	1
Reovirus	0	0.0%	1
Variola virus / Small pox virus	0	0.0%	1
West Nile Virus	0	0.0%	1
Total	905	10.8%	8351