

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

February 2019 - REPORT

DHR - Functional VRDLs (n=52)

	Medical college hospital	Outbreaks (n=17)	Total
Total no. of patients investigated by VRDLs	14593	361	14954
Total no. of samples tested	15106	361	15467
Total no. of tests run	25723	389	26112
Total cases positives (%)	3366 (23%)	157 (43%)	3523 (24%)

ICMR - Functional VRDLs (n=4)

	Medical college hospital	Outbreaks (n=5)	Total
Total no. of patients investigated by VRDLs	2082	20	2102
Total no. of samples tested	2199	20	2219
Total no. of tests run	5902	22	5924
Total cases positives (%)	599 (29%)	18 (90%)	617 (29%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs February 2019 (n=17)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
03. KGMU, Lucknow, UP	Azamgarh	Hepatitis E virus (HEV)	1	13	13
04. RMRC, Bhubaneswar, Odisha	Nayagarh	Hepatitis E virus (HEV)	1	17	18
	Jagatsinghpur	Varicella Zooster Virus (VZV)	1	10	16
10. RIMS, Ranchi, Jharkhand	Ranchi	Influenza A Pandemic H1N1	1	2	3
	Sahibganj, East Singhbhum, Ranchi	Varicella Zooster Virus (VZV)	3	21	23
20. BJ Medical College, Ahmadabad, Gujarat	Kuch, Porbandar, Narmada, Panchmahal	Measles	4	9	14
24. PGIMR, Chandigarh	Chandigarh	Influenza A Pandemic H1N1	1	61	229
28. Madurai MC, Madurai, TN	Madurai	Chickingunya	2	10	10
31. Guwahati MC, Guwahati, Assam	Nalbari	Varicella Zooster Virus (VZV)	1	2	5
	Nagaon	Measles	1	4	4
49. Jhalawar Medical College, Jhalawar, Rajasthan	Jhalawar	Influenza A Pandemic H1N1	1	8	18

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs February 2019 (n=5)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Shimoga, Davanagere	Varicella Zooster Virus (VZV)	2	9	11
	Shimoga, Davanagere	Mumps virus	2	6	6
08. NIV Field Unit, Alappuzha, Kerala	Alappuzha	Influenza A Pandemic H1N1	1	2	2

Table 2 A: Routine virus tested at DHR - VRDLs during February 2019 (n= 26112)

Virus tested	Positive	Positive %	Total Tested
Influenza A Pandemic H1N1	2181	35.9%	6083
Dengue	248	5.7%	4383
Influenza B	11	0.4%	2651
Hepatitis C virus (HCV)	119	5.6%	2126
Hepatitis B virus (HBV)	366	18.3%	2004
Chikungunya	94	7.5%	1252
Influenza A H3N2	7	0.6%	1207
Hepatitis E virus (HEV)	155	16.2%	958
Hepatitis A virus (HAV)	103	11.1%	925
Influenza A	53	8.6%	619
Japanese Encephalitis (JE)	28	4.8%	578
Herpes simplex virus (HSV)	18	3.5%	515
Cytomegalovirus (CMV)	57	15.1%	378
Herpes simplex virus -2 (HSV-2)	7	2.8%	246
Rubella Virus	41	16.9%	243
Zika virus	1	0.4%	225
Measles	35	17.8%	197
Orientia tsutsugamushi (Scrub typhus)	34	21.9%	155
Adeno Virus	10	6.5%	153
Respiratory Syncytial Virus (RSV)	5	3.4%	146
Human metapneumovirus (HMPV)	13	9.2%	142
Epstein-Barr-virus (EbV)	23	16.3%	141
Parvovirus	22	16.4%	134
Rhinoviruses	2	1.6%	127
Varicella Zoaster Virus (VZV)	44	37.3%	118
Other Influenza	24	35.8%	67
Rota Virus	36	56.3%	64
Hepatitis D virus (HDV)	0	0.0%	57
Enterovirus	2	4.3%	47
Parainfluenza 1/2/3/4	3	7.1%	42
Parainfluenza A/B/C	5	15.6%	32
Herpes simplex virus -1 (HSV-1)	1	3.3%	30
Mumps virus	9	32.1%	28
Human Boca virus	0	0.0%	18
Not in the list	2	22.2%	9
Coxsackievirus	2	33.3%	6
No data	0	0.0%	3
Coronavirus	0	0.0%	1
HIV-2	0	0.0%	1
West Nile Virus	0	0.0%	1
Total	3761	14.4%	26112

Table 2 B: Routine virus tested at ICMR - VRDLs during February 2019 (n=5924)

Virus tested	Positive	Positive %	Total Tested
Influenza A Pandemic H1N1	399	26.6%	1498
Influenza B	14	1.0%	1471
Influenza A H3N2	40	2.7%	1469
Dengue	25	4.9%	506
Kyasanur Forest Disease Virus	46	16.4%	281
Varicella Zoaster Virus (VZV)	22	22.9%	96
Mumps virus	28	29.5%	95
Herpes simplex virus (HSV)	1	1.3%	77
Japanese Encephalitis (JE)	2	2.6%	76
Herpes simplex virus -2 (HSV-2)	1	1.4%	74
Enterovirus	0	0.0%	62
Chikungunya	4	10.0%	40
Hepatitis A virus (HAV)	32	84.2%	38
Adeno Virus	2	7.7%	26
Norovirus	2	12.5%	16
Rota Virus	5	31.3%	16
Astrovirus	0	0.0%	15
Respiratory Syncytial Virus (RSV)	0	0.0%	13
Cytomegalovirus (CMV)	3	27.3%	11
Not in the list	1	10.0%	10
Epstein-Barr-virus (EbV)	0	0.0%	8
Measles	2	28.6%	7
Zika virus	0	0.0%	4
Parvovirus	0	0.0%	3
Coronavirus	0	0.0%	2
Hepatitis E virus (HEV)	0	0.0%	2
HIV-2	0	0.0%	2
Leptospira	0	0.0%	2
Rubella Virus	0	0.0%	2
Nipah virus	0	0.0%	1
Rhinoviruses	0	0.0%	1
Total	629	10.6%	5924