

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

July 2017 - REPORT

DHR – Functional VRDLs (n=30)

	Medical college hospital	Outbreaks (n=19)	Total
Total no. of patients investigated by VRDLs	9197	168	9365
Total no. of samples tested	9446	186	9632
Total no. of tests run	16259	268	16527
Total cases positives (%)	1902 (21%)	79 (47%)	1981 (21%)

ICMR – Functional VRDLs (n= 7)

	Medical college hospital	Outbreaks (n=2)	Total
Total no. of patients investigated by VRDLs	4341	21	4362
Total no. of samples tested	4547	25	4572
Total no. of tests run	11139	66	11205
Total cases positives (%)	1336 (31%)	18 (86%)	1357 (31%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs July 2017 (n=19)

ICMR/DHR	VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
DHR	03. KGMU, Lucknow, UP	Lucknow	Varicella Zoaster Virus	1	5	5
DHR	06. SMS Medical College, Jaipur, Rajasthan	Bharatpur	Hepatitis E virus	1	1	8
DHR	20. BJ Medical College, Ahmadabad, Gujarat	Gir somnath, Morbi	Measles	2	10	10
DHR	29. SVIMS, Tirupathi, AP	Krishna, Chittoore	Influenza A H1N1	2	5	12
DHR	31. Guwahati MC, Guwahati, Assam	Longding, Dima Hasao, Dhubri	Measles	3	11	15
DHR	32. GMC, Tiruvananthapuram, Kerala	Thiruvananthapuram	Dengue	9	27	63
DHR	37. JNIMSH, Imphal-East, Manipur	Churachandpur	Dengue	1	7	14

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs July 2017 (n=2)

ICMR/DHR	VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
ICMR	01. KMC Manipal, Karnataka	Devangere	Dengue	1	15	15
ICMR	13. RMRIMS, Patna, Bihar	Gaya	Japanese Encephalitis (JE)	1	3	6

Table 2 A: Routine virus tested at DHR - VRDLs during July 2017 (n=16527)

Virus tested	Positive	Positive %	Total Tested
Dengue	810	18.9%	4276
Hepatitis C virus (HCV)	292	15.4%	1895
Hepatitis B virus (HBV)	155	10.0%	1552
Chikungunya	100	9.5%	1052
Influenza A H1N1	229	25.5%	899
Hepatitis A virus (HAV)	169	21.7%	780
Hepatitis E virus (HEV)	86	12.0%	719
Herpes simplex virus (HSV)	30	4.5%	672
Japanese Encephalitis(JE)	42	7.2%	587
Influenza A	117	20.6%	567
Cytomegalovirus (CMV)	44	8.4%	526
Enterovirus	1	0.2%	436
Varicella Zoaster Virus (VZV)	11	2.6%	421
Herpes Simplex Virus (HSV-2)	1	0.3%	373
Not in the list	44	12.5%	351
West Nile	0	0.0%	292
Epstein-Barr-Virus (EBV)	15	5.2%	286
Influenza B	1	0.5%	212
Rubella Virus	16	7.7%	207
Influenza A H3N2	2	1.6%	125
Measles	35	42.2%	83
Parainfluenza 1,2	0	0.0%	81
Parvovirus	10	17.2%	58
Adeno Virus	0	0.0%	34
Respiratory Syncytial Virus (RSV)	0	0.0%	28
Rota Virus	1	11.1%	9
Norovirus	0	0.0%	6
Total	2211	13.4%	16527

Table 2 B: Routine virus tested at ICMR - VRDLs during July 2017 (n=11205)

Virus tested	Positive	Positive %	Total Tested
Dengue	565	19.9%	2838
Influenza A H1N1	516	25.0%	2060
Influenza B	8	0.4%	2054
Influenza A H3N2	238	11.6%	2050
Chikungunya	43	8.8%	489
Hepatitis B virus (HBV)	54	19.4%	278
Hepatitis E virus (HEV)	27	12.0%	225
Japanese Encephalitis(JE)	5	2.8%	180
Herpes simplex virus (HSV)	5	2.9%	174
Hepatitis C virus (HCV)	4	3.2%	124
Hepatitis A virus (HAV)	23	18.7%	123
Varicella Zoaster Virus (VZV)	15	12.8%	117
Not in the list	2	2.1%	95
Herpes Simplex Virus (HSV-2)	8	8.8%	91
Enterovirus	1	1.5%	67
Measles	0	0.0%	49
Adeno Virus	2	5.6%	36
No data	3	9.1%	33
Cytomegalovirus (CMV)	4	12.1%	33
Rubella Virus	1	3.7%	27
Respiratory Syncytial Virus (RSV)	0	0.0%	18
Norovirus	1	5.9%	17
Rota Virus	1	6.7%	15
Influenza A	0	0.0%	8
Epstein-Barr-Virus (EBV)	1	50.0%	2
West Nile	0	0.0%	2
Total	1527	13.6%	11205