

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

August 2017 - REPORT

DHR – Functional VRDLs (n=32)

	Medical college hospital	Outbreaks (n=17)	Total
Total no. of patients investigated by VRDLs	14173	154	14327
Total no. of samples tested	14339	169	14508
Total no. of tests run	22508	300	22808
Total cases positives (%)	4913 (35%)	86 (56%)	4999 (35%)

ICMR – Functional VRDLs (n=5)

	Medical college hospital	Outbreaks (n=2)	Total
Total no. of patients investigated by VRDLs	4615	51	4666
Total no. of samples tested	4829	51	4880
Total no. of tests run	11822	100	11922
Total cases positives (%)	1668 (36%)	28 (55%)	1696 (36%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs August 2017 (n=17)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
06. SMS Medical College, Jaipur, Rajasthan	Jodhpur	Mumps	1	4	8
18. GMC, Jammu, J&K	Jammu	Dengue	2	8	26
20. BJ Medical College, Ahmadabad, Gujarat	Gir somnath, Morbi	Measles	2	6	10
29. SVIMS, Tirupathi, AP	Chittoor, Kadapa	Dengue	3	9	26
	Krishna, Guntur, Chittoor	Influenza A / Influenza A H1N1	4	19	34
31. Guwahati MC, Guwahati, Assam	Jaintia Hills	Rubella Virus	1	4	5
	Anjaw	Measles	1	5	5
39. GMC, Patiala, Punjab	Ludhiana	Influenza A H1N1	1	3	8
46. Dr.S.N Medical College, Jodhpur, Rajasthan	Jodhpur	Chikungunya	1	4	9
50. GMC, Thrissur, Kerala	Thrissur	Hepatitis E virus (HEV)	1	2	5

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
10. RIMS, Ranchi, Jharkhand	Pakur, East Singhbhum	Dengue	24	24	48

Table 2 A: Routine virus tested at DHR - VRDLs during August 2017 (n=22808)

Virus tested	Positive	Positive %	Total Tested
Dengue	1219	20.2%	6030
Influenza A H1N1	2369	45.8%	5167
Hepatitis C virus (HCV)	186	10.9%	1713
Influenza A	535	35.7%	1500
Chikungunya	182	12.8%	1424
Hepatitis B virus (HBV)	123	9.2%	1336
Influenza B	4	0.3%	1144
Influenza A H3N2	13	1.8%	704
Hepatitis A virus (HAV)	93	16.4%	567
Hepatitis E virus (HEV)	74	13.6%	544
Japanese Encephalitis(JE)	23	5.5%	417
Herpes simplex virus (HSV)	18	5.2%	348
Cytomegalovirus (CMV)	31	11.1%	280
Enterovirus	1	0.4%	274
Varicella Zoaster Virus (VZV)	2	0.7%	271
Not in the list	51	19.0%	269
Epstein-Barr-Virus (EBV)	15	6.9%	217
West Nile	0	0.0%	207
Herpes Simplex Virus (HSV-2)	0	0.0%	188
Rubella Virus	23	35.9%	64
Measles	18	37.5%	48
Parvovirus	12	25.0%	48
Respiratory Syncytial Virus (RSV)	4	20.0%	20
Adeno Virus	0	0.0%	14
Rota Virus	1	12.5%	8
Parainfluenza 1,2	2	33.3%	6
Total	4999	21.9%	22808

Table 2 B: Routine virus tested at ICMR - VRDLs during August 2017 (n=11922)

Virus tested	Positive	Positive %	Total Tested
Dengue	713	21.4%	3339
Influenza A H1N1	475	20.1%	2358
Influenza A H3N2	353	15.9%	2224
Influenza B	12	0.5%	2216
Chikungunya	41	9.3%	441
Hepatitis B virus (HBV)	35	15.1%	232
Hepatitis C virus (HCV)	4	2.1%	187
Hepatitis E virus (HEV)	24	14.3%	168
Enterovirus	3	2.7%	112
Hepatitis A virus (HAV)	16	19.3%	83
Japanese Encephalitis(JE)	0	0.0%	78
Adeno Virus	4	5.4%	74
Respiratory Syncytial Virus (RSV)	2	2.8%	72
Herpes simplex virus (HSV)	1	1.5%	68
Not in the list	1	1.5%	68
Herpes Simplex Virus (HSV-2)	1	1.6%	63
Varicella Zoaster Virus (VZV)	1	2.1%	48
No data	3	10.7%	28
Rubella Virus	3	14.3%	21
Cytomegalovirus (CMV)	2	12.5%	16
Measles	0	0.0%	13
Rota Virus	0	0.0%	5
Influenza A	2	50.0%	4
Norovirus	0	0.0%	2
Parvovirus	0	0.0%	2
Total	1696	14.2%	11922