

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

October 2017 - REPORT

DHR – Functional VRDLs (n=8)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	14415	321	14736
Total no. of samples tested	14543	321	14864
Total no. of tests run	20802	608	21410
Total cases positives (%)	5515 (38%)	144 (45%)	5659 (38%)

ICMR – Functional VRDLs (n=1)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	3456	7	3463
Total no. of samples tested	3682	7	3689
Total no. of tests run	8999	14	9013
Total cases positives (%)	1024 (30%)	7 (100%)	1031 (30%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs October 2017 (n=8)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
06. SMS Medical College, Jaipur, Rajasthan	Churu	Dengue	1	11	20
20. BJ Medical College, Ahmadabad, Gujarat	Dang	Measles	2	9	10
29. SVIMS, Tirupathi, AP	Chittoor	Dengue	5	108	291

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Khurda	Hepatitis A virus (HAV)	1	7	7

Table 2 A: Routine virus tested at DHR - VRDLs during October 2017 (n=21410)

Virus tested	Positive	%	Total Tested
Dengue	5099	38.0%	13419
Chikungunya	493	22.4%	2205
Influenza A Pandemic H1N1	193	14.2%	1362
Hepatitis C virus (HCV)	64	7.8%	822
Hepatitis B virus (HBV)	80	13.8%	579
Hepatitis A virus (HAV)	64	13.9%	461
Hepatitis E virus (HEV)	66	15.3%	430
Japanese Encephalitis(JE)	35	10.2%	342
Herpes simplex virus (HSV)	10	3.7%	268
Influenza B	2	1.1%	182
Influenza A H3N2	27	16.0%	169
Cytomegalovirus (CMV)	16	9.9%	162
Enterovirus	1	0.6%	162
Varicella Zooster Virus (VZV)	2	1.3%	155
Other Influenza	17	12.5%	136
Rubella Virus	4	4.9%	81
Zika virus	0	0.0%	69
Not in the list	2	3.0%	67
Adeno Virus	1	1.9%	52
Parvovirus	15	32.6%	46
Epstein-Barr-virus (EbV)	8	17.8%	45
Respiratory Syncytial Virus (RSV)	0	0.0%	41
Human metapneumovirus (HMPV)	5	13.2%	38
Rhinoviruses	2	5.3%	38
Measles	14	42.4%	33
Rota Virus	6	26.1%	23
HSV-2	0	0.0%	21
Mumps virus	0	0.0%	1
Norovirus	1	100.0%	1
Total	6227	29.1%	21410

Table 2 B: Routine virus tested at ICMR - VRDLs during October 2017 (n=9013)

Virus tested	Positive	%	Total Tested
Dengue	619	21.1%	2937
Influenza B	37	3.0%	1251
Influenza A H3N2	116	9.4%	1235
Influenza A Pandemic H1N1	63	5.7%	1098
Chikungunya	166	27.8%	598
Influenza A H1N1	13	5.8%	223
Not in the list	16	9.3%	172
Herpes simplex virus (HSV)	7	4.4%	159
HSV-2	7	4.5%	155
Respiratory Syncytial Virus (RSV)	49	35.8%	137
Japanese Encephalitis(JE)	11	8.6%	128
Hepatitis B virus (HBV)	14	15.2%	92
Hepatitis C virus (HCV)	1	1.2%	86
Rubella Virus	22	25.6%	86
Hepatitis E virus (HEV)	11	12.9%	85
Enterovirus	8	10.4%	77
Varicella Zoaster Virus (VZV)	5	6.7%	75
Hepatitis A virus (HAV)	17	26.2%	65
Epstein-Barr-virus (EbV)	10	17.9%	56
Adeno Virus	4	8.5%	47
Mumps virus	2	4.3%	47
Parvovirus	0	0.0%	42
Cytomegalovirus (CMV)	8	21.6%	37
Measles	8	24.2%	33
Human metapneumo virus (HMPV)	2	11.1%	18
Norovirus	0	0.0%	16
Not Available	1	7.7%	13
Rota Virus	0	0.0%	10
Influenza A	0	0.0%	9
Parainfluenza A/B/C	0	0.0%	8
Rhinoviruses	1	12.5%	8
Astrovirus	0	0.0%	7
Other Influenza	1	50.0%	2
coxsackieviruse	1	100.0%	1
Total	1220	13.5%	9013