

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

November 2017 - REPORT

DHR – Functional VRDLs (n=28)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	11436	111	11547
Total no. of samples tested	11704	111	11815
Total no. of tests run	16495	259	16754
Total cases positives (%)	4252 (37%)	63 (57%)	4315 (37%)

ICMR – Functional VRDLs (n=8)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	3886	60	3946
Total no. of samples tested	4067	62	4129
Total no. of tests run	9012	81	9093
Total cases positives (%)	973 (25%)	34 (57%)	1007 (26%)

Table 1A: Suspected outbreaks diagnosed by DHR-VRDLs November 2017 (n=5)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
20. BJ Medical College, Ahmadabad, Gujarat	Valsad	Measles	2	9	10
29. SVIMS, Tirupathi, AP	Chittoor	Dengue/Chikungunya	3	54	101

Table 1B: Suspected outbreaks diagnosed by ICMR-VRDLs November 2017 (n=7)

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
04. RMRC, Bhubaneswar, Odisha	Rayagada	Hepatitis A virus	1	5	6
	Kendrapada, Keonjhar	Dengue	2	16	21
13. RMRIMS, Patna, Bihar	Sitamarhi	Japanese Encephalitis	1	1	5
	Gaya	Japanese Encephalitis	2	5	14
	Gaya	Dengue/Chikungunya	1	1	6

Table 2 A: Routine virus tested at DHR - VRDLs during November 2017 (n=16754)

Virus tested	Positive	%	Total Tested
Dengue	3636	38.3%	9486
Chikungunya	464	24.9%	1865
Hepatitis C virus (HCV)	75	7.2%	1042
Hepatitis B virus (HBV)	105	14.2%	737
Hepatitis E virus (HEV)	76	11.6%	658
Hepatitis A virus (HAV)	80	12.7%	632
Influenza A Pandemic H1N1	13	2.7%	476
Herpes simplex virus (HSV)	3	0.8%	368
Japanese Encephalitis(JE)	44	12.4%	356
Other Influenza	2	1.2%	162
Cytomegalovirus (CMV)	12	7.5%	159
Parvovirus	41	28.7%	143
Influenza B	6	5.5%	110
Zika virus	0	0.0%	90
Epstein-Barr-virus (EbV)	6	8.1%	74
Rubella Virus	0	0.0%	73
Influenza A H3N2	1	1.5%	67
Measles	21	36.2%	58
Enterovirus	0	0.0%	44
Not in the list	3	7.1%	42
VZV/Varicella Zoaster Virus	5	17.9%	28
Rota Virus	15	65.2%	23
Adeno Virus	1	8.3%	12
RSV (Respiratory Syncytial Virus)	5	41.7%	12
Human metapneumovirus (HMPV)	0	0.0%	10
Human Boca virus	0	0.0%	9
Parainfluenza A/B/C	0	0.0%	9
HSV-2	0	0.0%	6
Mumps virus	0	0.0%	2
Norovirus	0	0.0%	1
Total	4614	27.5%	16754

Table 2 B: Routine virus tested at ICMR - VRDLs during November 2017 (n=9093)

Virus tested	Positive	%	Total Tested
Dengue	659	17.1%	3850
Chikungunya	250	27.1%	924
Influenza A Pandemic H1N1	11	1.3%	868
Influenza B	41	5.0%	815
Influenza A H3N2	19	2.4%	805
HSV-2	6	2.4%	248
Herpes simplex virus (HSV)	5	2.6%	190
Japanese Encephalitis(JE)	23	12.6%	183
Hepatitis C virus (HCV)	15	11.6%	129
Hepatitis B virus (HBV)	15	12.5%	120
Measles	7	6.8%	103
RSV (Respiratory Syncytial Virus)	37	38.1%	97
Not in the list	3	3.3%	92
Rubella Virus	37	40.7%	91
Enterovirus	10	11.9%	84
VZV/Varicella Zoaster Virus	9	11.0%	82
Hepatitis E virus (HEV)	6	9.5%	63
Mumps virus	6	9.7%	62
Hepatitis A virus (HAV)	13	22.0%	59
Cytomegalovirus (CMV)	3	8.1%	37
Adeno Virus	0	0.0%	35
Parvovirus	1	2.9%	35
Epstein-Barr-virus (EbV)	6	17.6%	34
Human metapneumovirus (HMPV)	0	0.0%	15
Rhinoviruses	0	0.0%	15
Parainfluenza A/B/C	0	0.0%	14
Human papillomavirus	2	16.7%	12
Rota Virus	1	11.1%	9
Norovirus	0	0.0%	8
Astrovirus	0	0.0%	5
coxsackieviruse	4	100.0%	4
No data	0	0.0%	3
Other Influenza	0	0.0%	1
Sapovirus	0	0.0%	1
Total	1189	13.1%	9093