

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

December 2017 - REPORT

DHR – Functional VRDLs (n=30)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	6815	32	6847
Total no. of samples tested	7001	32	7033
Total no. of tests run	10899	32	10931
Total cases positives (%)	1710 (25%)	22 (69%)	1732 (25%)

ICMR – Functional VRDLs (n=6)

	Medical college hospital	Outbreaks	Total
Total no. of patients investigated by VRDLs	2328	20	2348
Total no. of samples tested	2447	20	2467
Total no. of tests run	5467	31	5498
Total cases positives (%)	473 (20%)	12 (60%)	485 (21%)

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
06. SMS Medical College, Jaipur, Rajasthan	Jodhpur	Mumps virus	1	3	13
20. BJ Medical College, Ahmadabad, Gujarat	Junagadh, Dang	Measles	2	10	10
31. Guwahati MC, Guwahati, Assam	Nagaon	Measles	1	5	5
35. Govt Siddhartha MC, Vijayawada, AP	Krishna	Chikungunya	1	4	4

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

VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive Cases	Total cases tested
01. KMC Manipal, Karnataka	Udupi, Hassan	Japanese Encephalitis	1	9	9
04. RMRC, Bhubaneswar, Odisha	Khordha	Measles	1	3	10

Table 2 A: Routine virus tested at DHR - VRDLs during December 2017 (n=10931)

Virus tested	Positive	%	Total Tested
Dengue	1049	23.2%	4522
Hepatitis C virus (HCV)	173	16.4%	1052
Chikungunya	203	20.2%	1005
Hepatitis B virus (HBV)	88	11.7%	749
Hepatitis A virus (HAV)	52	9.0%	581
Hepatitis E virus (HEV)	70	13.1%	535
Influenza A Pandemic H1N1	18	3.6%	504
Japanese Encephalitis(JE)	32	9.9%	324
Herpes simplex virus (HSV)	13	4.1%	316
Other Influenza	17	9.2%	184
Influenza B	10	6.4%	157
Enterovirus	0	0.0%	82
Zika virus	0	0.0%	82
Adeno Virus	2	2.6%	78
Influenza A H3N2	1	1.3%	77
Cytomegalovirus (CMV)	4	5.3%	75
Parvovirus	30	40.0%	75
RSV (Respiratory Syncytial Virus)	14	19.7%	71
Human metapneumovirus (HMPV)	4	5.8%	69
Measles	26	41.3%	63
Rhinoviruses	10	17.2%	58
Not in the list	3	6.0%	50
Human Boca virus	0	0.0%	38
Rubella Virus	0	0.0%	38
Coronavirus	0	0.0%	28
Epstein-Barr-virus (EbV)	4	15.4%	26
West Nile	0	0.0%	26
Mumps virus	5	26.3%	19
HSV-2	0	0.0%	13
Rota Virus	0	0.0%	12
Parainfluenza A/B/C	0	0.0%	11
Varicella Zoaster Virus	2	22.2%	9
No data	0	0.0%	1
Influenza A H1N1	0	0.0%	1
Total	1830	16.7%	10931

Table 2 B: Routine virus tested at ICMR - VRDLs during December 2017 (n=5498)

Virus tested	Positive	%	Total Tested
Dengue	295	15.5%	1901
Influenza A Pandemic H1N1	6	0.9%	692
Influenza A H3N2	2	0.3%	655
Influenza B	52	7.9%	655
Herpes simplex virus (HSV)	10	4.7%	215
Chikungunya	48	25.1%	191
HSV-2	7	3.7%	187
Japanese Encephalitis(JE)	15	9.3%	161
Enterovirus	13	11.8%	110
Varicella Zoaster Virus	3	2.9%	103
Mumps virus	7	7.8%	90
Rubella Virus	31	41.9%	74
Hepatitis C virus (HCV)	1	1.6%	63
Hepatitis A virus (HAV)	13	22.0%	59
Hepatitis B virus (HBV)	5	9.3%	54
Hepatitis E virus (HEV)	8	15.4%	52
Cytomegalovirus (CMV)	8	18.2%	44
Measles	18	48.6%	37
RSV (Respiratory Syncytial Virus)	6	24.0%	25
Adeno Virus	6	25.0%	24
Human papillomavirus	2	8.7%	23
Epstein-Barr-virus (EbV)	2	11.1%	18
Other Influenza	0	0.0%	15
No data	1	9.1%	11
Parvovirus	1	10.0%	10
Norovirus	0	0.0%	8
Not in the list	0	0.0%	7
Astrovirus	0	0.0%	4
Kyasanur Forest Disease Virus	0	0.0%	3
Rota Virus	0	0.0%	3
coxsackievirus	1	50.0%	2
Influenza A H3N3	0	0.0%	1
Zika virus	0	0.0%	1
Total	561	10.2%	5498