

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

March 2017 - REPORT

	DHR	ICMR
Number of VRDLs functional	28	5
Suspected outbreaks diagnosed during March 2017 (table 1)	33	6
Total no. of patients investigated by VRDLs	5821	2943
Total no. of samples tested	6090	3235
Total no. of tests run	10560	8916
Total cases positives (%)	1264 (21.7)	877(29.8)

<p align="center">Suspected outbreaks (39) n=441</p>	<ul style="list-style-type: none"> • DHR (377) <ul style="list-style-type: none"> • 211 (56%) positives • 547 samples • 963 tests run • ICMR (64) <ul style="list-style-type: none"> • 39 (61%) positives • 64 samples • 91 tests run
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<p align="center">Medical college hospital-routine diagnostics n=8323</p>	<ul style="list-style-type: none"> • DHR (5444) <ul style="list-style-type: none"> • 1053 (19%) positives • 5543 samples • 9597 tests run • ICMR (2879) <ul style="list-style-type: none"> • 838 (29%) positives • 3171 samples • 8825 tests run
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Table 1: Suspected outbreaks diagnosed by VRDLs March 2017 (n=39)

ICMR /DHR	VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive cases	Total cases tested
ICMR	KMC Manipal, Karnataka	Kodugu	Hepatitis A virus (HAV)	1	6	6
ICMR	RMRC, Bhubaneswar, Odisha	Bhadrak, Cuttack	Varicella Zoaster Virus (VZV)	2	13	22
		Khurda	Dengue	1	1	7
		Cuttack	Hepatitis E virus (HEV)	1	6	13
		Khurda	Hepatitis A virus (HAV)	1	3	7
DHR	RMRC, Dibrugarh, Assam	Dibrugarh	Shigella/Enteroinvasive E.coli	1	4	7
DHR	BJ Medical College, Ahmadabad, Gujarat	Bhavnagar, Devbhumi, Girsomnath, Jamnagar, Kachchh, Mahesana, Valsad	Measles	17	72	88
DHR	Patna Medical College, Patna, Bihar	Nalanda, Patna, Samastipur	Varicella Zoaster Virus (VZV)	6	36	41
DHR	29. SVIMS, Tirupathi, AP	Chittoor	Dengue	1	3	21
		Y S R Kadapa	Chikungunya	1	4	8
		Anantapur, Kadapa, Nellore, Chittoor	Influenza A/Influenza A H1N1/	7	82	163

Table 2: Routine virus tested at various VRDLs during March 2017 (n=19476)

	DHR			ICMR		
	Positive	%	Total Tested	Positive	%	Total Tested
Measles	91	51.4%	177	21	28.8%	73
Rota Virus	7	41.2%	17	6	15.8%	38
Influenza A	104	35.9%	290	1	6.7%	15
Influenza A H1N1	130	25.1%	518	603	30.7%	1964
Varicella Zoaster Virus (VZV)	77	24.9%	309	33	35.1%	94
Parvovirus	16	21.9%	73	0	.0%	10
Chikungunya	106	19.5%	543	6	7.8%	77
Hepatitis E virus (HEV)	89	16.2%	550	27	22.9%	118
Rubella Virus	20	13.5%	148	49	39.5%	124
Hepatitis C virus (HCV)	250	12.9%	1936	2	2.8%	71
Cytomegalovirus (CMV)	50	12.9%	388	4	13.3%	30
Hepatitis B virus (HBV)	199	12.4%	1608	14	16.1%	87
Dengue	190	12.4%	1536	52	3.6%	1433
Hepatitis A virus (HAV)	70	11.1%	628	15	15.5%	97
Not in the list	7	9.3%	75	6	7.4%	81
Epstein-Barr-Virus (EBV)	8	4.9%	163	3	13.6%	22
Herpes simplex virus (HSV)	20	4.6%	431	15	12.5%	120
Herpes Simplex Virus (HSV-2)	5	3.7%	134	3	3.5%	85
Japanese Encephalitis(JE)	4	1.3%	314	3	3.7%	81
Influenza A H3N2	1	.5%	197	8	.4%	1979
Adeno Virus	0	.0%	18	12	10.9%	110
Enterovirus	0	.0%	185	3	2.8%	106
Influenza B	0	.0%	202	19	1.0%	1956
No Data	0	.0%	0	2	12.5%	16
Norovirus	0	.0%	3	1	3.8%	26
Parainfluenza	0	.0%	1	0	.0%	2
Respiratory Syncytial Virus (RSV)	0	.0%	21	0	.0%	101
West Nile	0	.0%	95	0	.0%	0
Total	1444	13.7%	10560	908	10.2%	8916