

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

January 2017 - REPORT

	DHR	ICMR
Number of VRDLs functional	27	11
Suspected outbreaks diagnosed during January 2017 (table 1)	21	2
Total no. of patients investigated by VRDLs	3802	1025
Total no. of samples tested	3880	1158
Total no. of tests run	5817	2992
Total cases positives (%)	729 (19.2%)	182 (17.8%)

**Suspected outbreaks
(23)
n=189**

- **DHR (171)**
 - 117(68%) positives
 - 189 samples
 - 245 tests run
- **ICMR (18)**
 - 17(94%) positives
 - 18 samples
 - 18 tests run

**Medical college
hospital-routine
diagnostics
n=4638**

- **DHR (3631)**
 - 612 (17%) positives
 - 3691 samples
 - 5572 tests run
- **ICMR (1007)**
 - 165 (16%) positives
 - 1140 samples
 - 2974 tests run

Table 1: Suspected outbreaks diagnosed by VRDLs January 2017 (n=23)

ICMR/ DHR	VRDL, State	Districts	Etiological Agent	No. of outbreaks	Positive cases	Total cases tested
ICMR	KMC Manipal, Karnataka	Tumkur	Varicella Zoaster Virus	2	11	12
DHR	BJ Medical College, Ahmadabad, Gujarat	Kheda, Anand, Gir Somnath, Gandhinagar, Jamnagar, Junagadh, Mahesana, Surat, Vadodara	Measles	17	70	86
DHR	SVIMC, Tirupathi, AP	Anantapur, Chittore, Kadapa, Nellore	Chikungunya	1	23	29
		Bastar, Chattisgarh, Chittore, East Godavari, Kadapa, Kurnool, Srikakulam, Vijayanagaram, Vishapatnam	Influenza A H1N1	1	7	35
DHR	GMC, Guwahati, Assam	Tirap, Arunachal Pradesh. Mon, Nagaland	Measles	2	13	15

Table 2: Routine virus tested at various VRDLs during January 2016 (n=8809)

	DHR			ICMR		
	Positive	Positive %	Total Tested	Positive	Positive %	Total Tested
Dengue	174	12.25%	1420	34	3.68%	924
Hepatitis C virus (HCV)	65	7.17%	907	10	12.99%	77
Chikungunya	242	32.01%	756	3	6.98%	43
Hepatitis B virus (HBV)	88	13.00%	677	18	18.00%	100
Hepatitis E virus (HEV)	38	13.43%	283	8	13.79%	58
Hepatitis A virus (HAV)	20	7.17%	279	4	6.78%	59
Japanese Encephalitis(JE)	3	1.34%	224	1	1.61%	62
Influenza A H1N1	9	4.46%	202	33	8.78%	376
Herpes simplex virus (HSV)	5	2.98%	168	9	12.00%	75
Measles	93	65.96%	141	3	12.50%	24
Varicella Zoaster Virus (VZV)	4	3.51%	114	23	26.14%	88
Cytomegalovirus (CMV)	10	9.62%	104	1	8.33%	12
Enterovirus	1	1.03%	97	2	2.44%	82
Influenza A	7	9.72%	72	0	0.00%	2
Rubella Virus	1	1.79%	56	8	32.00%	25
Parvovirus	6	14.63%	41	0	0.00%	4
Influenza B	0	0.00%	37	7	1.90%	369
Epstein-Barr-Virus (EBV)	3	9.38%	32	0	0.00%	1
Influenza A H3N2	0	0.00%	23	3	0.82%	368
Respiratory Syncytial Virus (RSV)	0	0.00%	19	0	0.00%	32
Herpes Simplex Virus (HSV-2)	0	0.00%	4	0	0.00%	71
Adeno Virus	0	0.00%	2	13	32.50%	40
Rota Virus	0	0.00%	1	0	0.00%	2
SCRUB TYPHUS	0	0.00%	1	0	0.00%	0
West Nile	0	0.00%	1	0	0.00%	0
Norovirus	0	0.00%	0	0	0.00%	4
Other virus	0	0.00%	155	12	13.95%	86
No data	0	0.00%	1	1	12.50%	8
Total	769	13.22%	5817	193	6.45%	2992