

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

**May 2017 - REPORT**

	<b>DHR</b>	<b>ICMR</b>
<b>Number of VRDLs functional</b>	<b>27</b>	<b>7</b>
<b>Suspected outbreaks diagnosed</b>	<b>19</b>	<b>1</b>
<b>Total no. of patients investigated by VRDLs</b>	<b>7200</b>	<b>2069</b>
<b>Total no. of samples tested</b>	<b>7360</b>	<b>2230</b>
<b>Total no. of tests run</b>	<b>12060</b>	<b>5809</b>
<b>Total cases positives (%)</b>	<b>1627 (22.6%)</b>	<b>418 (20.2%)</b>

**Suspected outbreaks  
(20)  
n=183**

- **DHR (180)**
  - 78(43.3%) positives
  - 225 samples
  - 373 tests run
- **ICMR (3)**
  - 2 (66.6%) positives
  - 3 samples
  - 3 tests run

**Medical college  
hospital-routine  
diagnostics  
n=9086**

- **DHR (7020)**
  - 1549 (22.1%) positives
  - 7135 samples
  - 11687 tests run
- **ICMR (2066)**
  - 416 (20.1%) positives
  - 2227 samples
  - 5806 tests run

**Table 1: Suspected outbreaks diagnosed by VRDLs May 2017 (n=20)**

<b>ICMR /DHR</b>	<b>VRDL, State</b>	<b>Districts</b>	<b>Etiological Agent</b>	<b>No. of outbreaks</b>	<b>Positive Cases</b>	<b>Total cases tested</b>
DHR	03. KGMU, Lucknow, UP	Raebareli	Varicella Zoaster Virus (VZV)	1	9	9
DHR	06. SMS Medical College, Jaipur, Rajasthan	Alwar	Varicella Zoaster Virus (VZV)	1	2	7
DHR	14. RMRC, Dibrugarh, Assam	Dhubri, Dibrugarh	Varicella Zoaster Virus (VZV)	2	9	14
DHR	18. GMC, Jammu, J&K	Jammu	Hepatitis A virus (HAV)	1	1	5
DHR	20. BJ Medical College, Ahmadabad, Gujarat	Chhota Udepir, Jamnagar, Surat	Measles	3	11	14
DHR	24. PGIMR, Chandigarh	Yamuna nagar, Jalandar, Panchula	Measles	3	10	15
ICMR	11. Andhra MC, Visakhapatnam, AP	Srikakulam	Influenza A H1N1	1	2	3
DHR	29. SVIMS, Tirupathi, AP	Prakasam, Krishna, East godavari, Chittore	Influenza A, Influenza A H1N1	5	13	35
DHR	31. Guwahati MC, Guwahati, Assam	Karbi Anglong, Zunheboto	Measles	2	10	10
DHR	39. GMC, Patiala, Punjab	Mansa	Hepatitis A virus (HAV)	1	6	7

**Table 2: Routine virus tested at various VRDLs during May 2016 (n=17869)**

	DHR			ICMR		
	Positive	Positive %	Total Tested	Positive	Positive %	Total Tested
Dengue	568	26.4%	2151	119	8.9%	1335
Hepatitis C virus (HCV)	209	12.5%	1671	0	0.0%	80
Influenza A H1N1	351	22.4%	1564	270	23.4%	1156
Hepatitis B virus (HBV)	167	12.3%	1354	13	15.5%	84
Influenza A	199	20.1%	992	1	100.0%	1
Hepatitis A virus (HAV)	82	14.8%	554	8	9.6%	83
Chikungunya	58	11.3%	514	4	2.5%	157
Hepatitis E virus (HEV)	76	15.2%	499	13	15.7%	83
Japanese Encephalitis(JE)	3	0.8%	354	0	0.0%	42
Herpes simplex virus (HSV)	12	3.5%	341	4	6.3%	63
Not in the list	0	0.0%	313	2	2.9%	68
Cytomegalovirus (CMV)	29	10.1%	287	1	7.1%	14
Varicella Zoaster Virus (VZV)	34	13.7%	249	4	6.8%	59
Enterovirus	1	0.5%	211	2	2.5%	80
Influenza B	1	0.6%	162	7	0.6%	1140
Measles	48	36.1%	133	2	10.5%	19
Rubella Virus	7	5.6%	126	1	5.0%	20
Epstein-Barr-Virus (EBV)	9	8.0%	112	0	0.0%	2
Herpes Simplex Virus (HSV-2)	1	0.9%	106	2	3.1%	64
Influenza A H3N2	1	1.0%	98	2	0.2%	1149
West Nile	0	0.0%	96	0	0.0%	0
Parvovirus	12	20.3%	59	0	0.0%	2
Parainfluenza 1,2,3,4	0	0.0%	48	0	0.0%	0
Adeno Virus	0	0.0%	29	4	8.7%	46
Respiratory Syncytial Virus (RSV)	3	11.1%	27	0	0.0%	37
Parainfluenza 1,2	0	0.0%	4	0	0.0%	0
Rota Virus	0	0.0%	4	0	0.0%	9
No data	0	0.0%	1	0	0.0%	1
Other Influenza	0	0.0%	1	0	0.0%	0
Norovirus	0	0.0%	0	0	0.0%	15
<b>Total</b>	<b>1871</b>	<b>15.5%</b>	<b>12060</b>	<b>459</b>	<b>7.9%</b>	<b>5809</b>