

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

**February 2017 - REPORT**

	DHR	ICMR
Number of VRDLs functional as on Feb 2017	30	10
Suspected outbreaks diagnosed during February 2017 (table 1)	30	5
Total no. of patients investigated by VRDLs	4093	1526
Total no. of samples tested	4246	1758
Total no. of tests run	7308	4671
Total cases positives (%)	869 (21.2%)	398 (26.1%)

**Suspected outbreaks  
(35)  
n=320**

- DHR (258)
  - 166 (64%) positives
  - 337 samples
  - 388 tests run
- ICMR (62)
  - 55 (89%) positives
  - 62 samples
  - 62 tests run

**Medical college  
hospital-routine  
diagnostics  
n=5299**

- DHR (3835)
  - 703 (18%) positives
  - 3909 samples
  - 6920 tests run
- ICMR (1464)
  - 343 (23%) positives
  - 1696 samples
  - 4606 tests run

**Table 1: Suspected outbreaks diagnosed by VRDLs February 2017 (n=35)**

<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>
ICMR	KMC, Manipal, Karnataka	Tumkur, Devanagere	Varicella Zoaster Virus	<b>5</b>	39	43
DHR	RMRC, Dibrugarh, Assam	Lakhimpur	Varicella Zoaster Virus	<b>1</b>	7	8
DHR	GMC, Jammu, J&K	Jammu	Hepatitis A virus	<b>1</b>	12	14
DHR	BJ Medical College, Gujarat	Gir Somnath, Panchmahal, Bhavnagar, Ahmedabad, Jamnagar, Kutchh, Mehsana, Porbandar, Rajkot, Sabarkantha	Measles	<b>18</b>	71	96
DHR	PGIMR, Chandigarh	Chandigarh	Hepatitis E virus	<b>1</b>	16	17
DHR	SVIMC, Tirupathi, AP	Chittoor	Chikungunya	<b>1</b>	3	8
		Kadapa	Dengue/ Chikungunya	<b>1</b>	4	10
		Prakasam, Chittoor	Influenza A/Influenza A H1N1	<b>5</b>	31	57
DHR	GMC, Guwahati, Assam	Dima Hasao, Jaintia Hills	Measles	<b>2</b>	9	11

**Table 2: Routine virus tested at various VRDLs during February 2017 (n=11979)**

	DHR			ICMR		
	Positive	%	Total Tested	Positive	%	Total Tested
Dengue	111	9.5%	1170	23	2.0%	1174
Hepatitis C virus (HCV)	177	15.2%	1162	0	0.0%	27
Hepatitis B virus (HBV)	126	13.9%	908	3	7.1%	42
Chikungunya	128	24.2%	530	5	8.3%	60
Hepatitis A virus (HAV)	78	16.3%	479	3	7.7%	39
Hepatitis E virus (HEV)	64	16.1%	398	1	2.3%	43
Influenza A H1N1	37	11.2%	329	246	28.6%	860
Herpes simplex virus (HSV)	20	6.1%	326	3	4.9%	61
Cytomegalovirus (CMV)	18	6.3%	286	2	25.0%	8
Japanese Encephalitis(JE)	3	1.1%	262	0	0.0%	45
Varicella Zoaster Virus (VZV)	23	9.0%	255	72	52.6%	137
Enterovirus	0	0.0%	197	1	1.4%	74
Influenza A	40	24.5%	163	0	0.0%	4
Measles	90	58.1%	155	5	14.7%	34
Epstein-Barr-Virus (EBV)	2	1.4%	147	0	0.0%	0
West Nile	1	0.7%	138	0	0.0%	0
Herpes Simplex Virus (HSV-2)	0	0.0%	123	2	3.2%	63
Rubella Virus	8	8.0%	100	2	6.3%	32
Parvovirus	13	20.0%	65	0	0.0%	1
Not in the list	4	14.3%	28	10	11.5%	87
Influenza B	0	0.0%	21	13	1.5%	859
Respiratory Syncytial Virus (RSV)	0	0.0%	19	0	0.0%	37
Rota Virus	2	11.1%	18	1	9.1%	11
Influenza A H3N2	0	0.0%	14	4	0.5%	859
Adeno Virus	0	0.0%	8	10	17.9%	56
Other Influenza	0	0.0%	5	0	0.0%	0
Parainfluenza 1,2	0	0.0%	2	0	0.0%	0
No data	0	0.0%	0	2	5.7%	35
Norovirus	0	0.0%	0	0	0.0%	23
<b>Total</b>	<b>945</b>	<b>12.9%</b>	<b>7308</b>	<b>408</b>	<b>8.7%</b>	<b>4671</b>