

National Institute of Epidemiology, Chennai

DHR/ICMR Viral Research and Diagnostic Laboratories Network (VRDLN): November 2015 report

1. Dashboard indicators for Nov 2015

1. Number of VRDLs functional	34
2. Suspected outbreaks diagnosed during Nov 2015 (Table-1 for details)	
A. Number of suspected outbreaks diagnosed	10
3. Patients attending medical college hospitals investigated for viral etiologies (Table -2)	8288
A. Number of patients investigated by VRDLs	8,288
B. Number of samples collected	16, 268
C. Number of tests conducted	17,027
D. Number of samples positive	15.7%
E. Details of virus investigation among referral hospitals (Fig 2a,2b,2c,2d,2e)	

Fig 1: Flow chart of patients investigated by VRDLs during Nov 2015

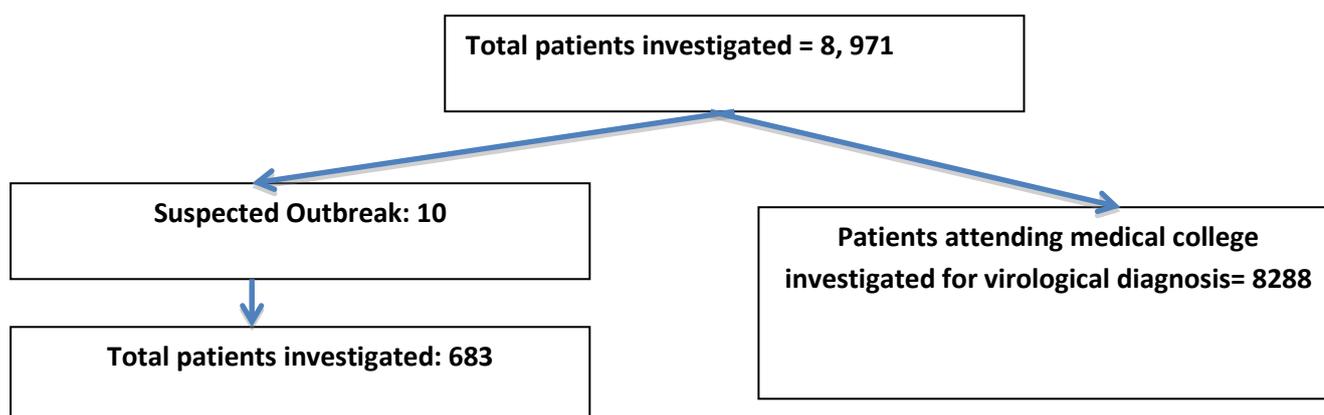


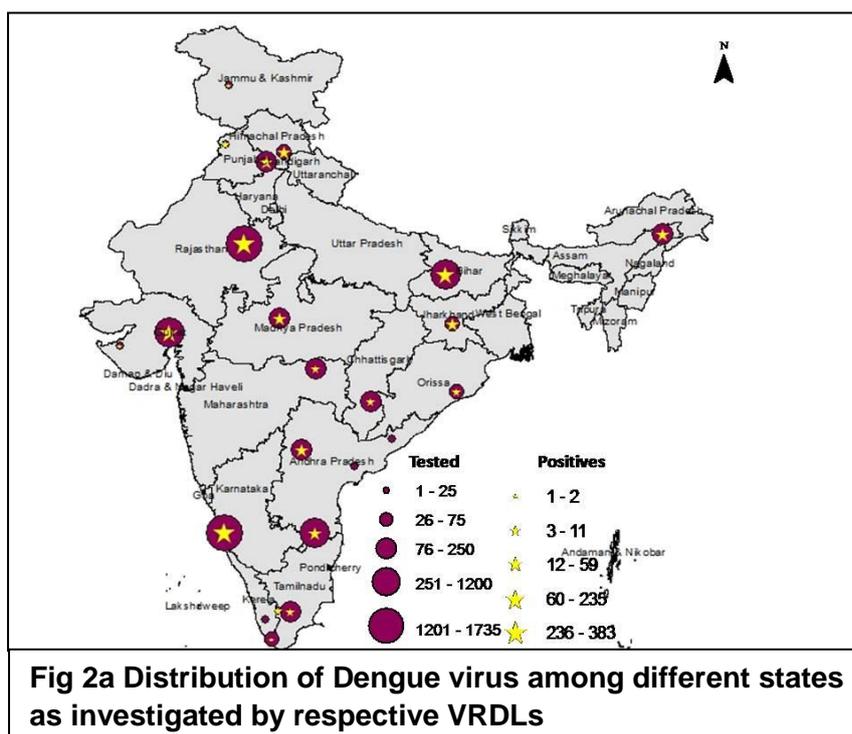
Table 1: Suspected outbreaks diagnosed by VRDLs during November 2015

Etiological agent	Name of the VRDL	Districts, State	Patients tested	Positive %
Chikungunya	SMS Medical College, Jaipur	Jhunjhuna, Rajasthan	28	46.4
Dengue	GMC, Amritsar	Amritsar, Punjab	395	71.8
Dengue	GMC, Amritsar	Gurdaspur, Punjab	47	87.2
Dengue	GMC, Amritsar	Taran Taran, Punjab	33	78.78
Dengue	RMRC, Bhubneswar	Jagatsinghpur, Odisha	5	100.0
Dengue	GMC, Jammu	Jammu, J and K	84	4.7
Dengue	GMC, Jammu	Kathua, J and K	18	11.1
Dengue	Madurai Medical College, Madurai	Virudhunagar, Tamil Nadu	5	60.0
Measles	BJ Medical College, Ahmedabad	Junagadh, Gujarat	9	88.8
Measles	BJ Medical College, Ahmedabad	Surat, Gujarat	5	100.0

Table 2 Routine virus tested at various referral hospitals in Nov 2015

Virus	Total samples tested	Positive %
Dengue	5830	24.5
Influenza A H1N1	2534	11.8
Influenza B	2038	12.2
Influenza A H3N2	1949	5.8
Hepatitis C virus (HCV)	615	6.6
Hepatitis B virus (HBV)	459	30.7
Hepatitis E virus (HEV)	366	24.0
Hepatitis A virus (HAV)	364	13.1
Herpes Simplex Virus (HSV)	340	1.1
Influenza A	308	5.8
Japanese Encephalitis (JE)	288	9.7
Enterovirus	264	1.8
Cytomegalovirus (CMV)	189	17.9
Varicella Zooster Virus (VZV)	181	2.2
Other Influenza	180	2.7
Respiratory Syncytial Virus (RSV)	123	21.9
Herpes Simplex Virus (HSV-2)	100	2.0
Rubella Virus	100	15.0
Epstein-Barr-Virus (EBV)	89	17.9
Adeno Virus	88	5.6
West Nile	65	0.0
Measles	57	42.1
Chikungunya	40	22.5
Rota Virus	19	57.8
Parvovirus	10	10.0

431 test were run for other viruses not mentioned in table



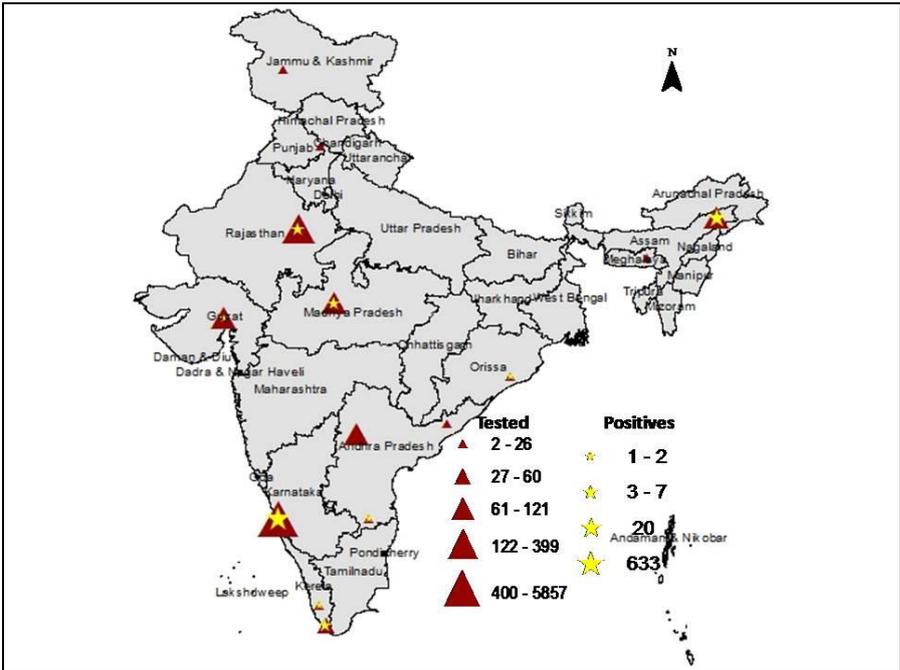


Fig 2b Distribution of Influenza group of viruses (A,B,H1N1,H3N2) among different states as investigated by respective VRDLs

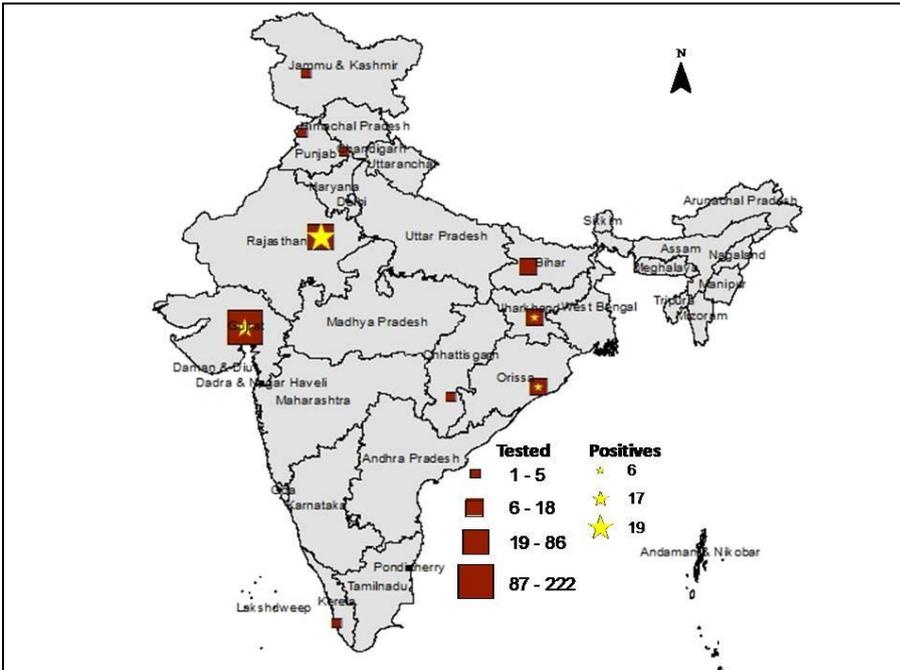


Fig 2c Distribution of Hepatitis A virus among different states as investigated by respective VRDLs

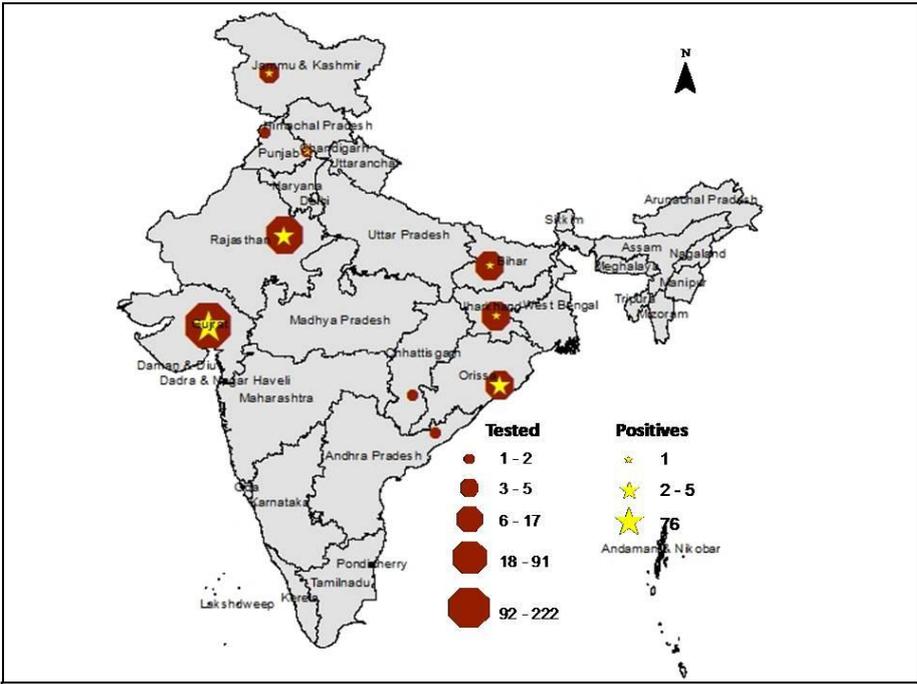


Fig 2d Distribution of Hepatitis E virus among different states as investigated by respective VRDLs

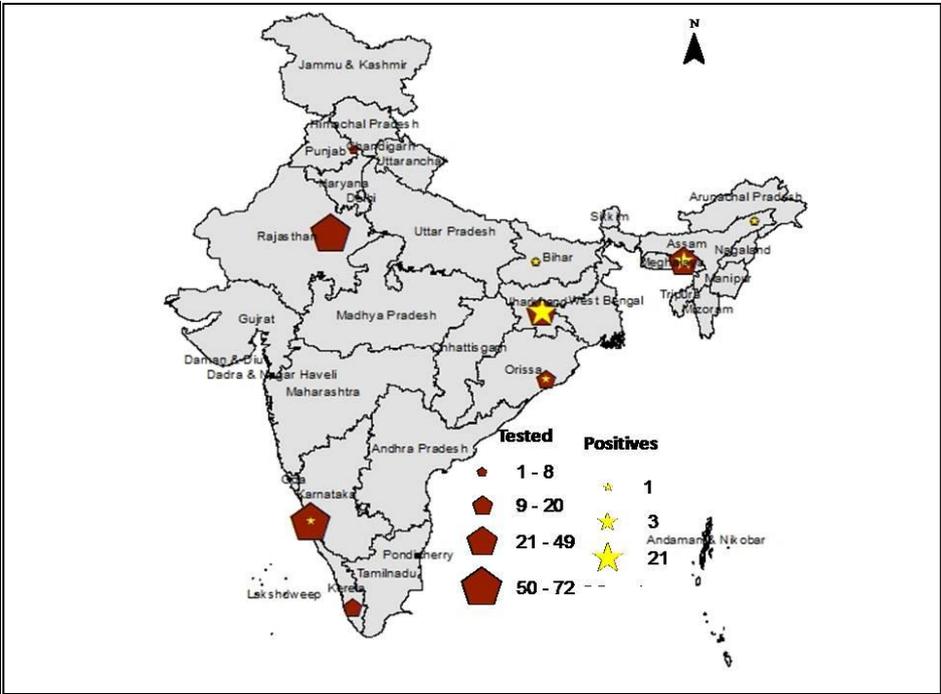


Fig 2e Distribution of Japanese Encephalitis virus among different states as investigated by respective VRDLs