

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

March 2021 - REPORT

Functional VRDLs (n=47)

| | Medical college hospital | Outbreak / Disease cluster | Total |
|---|--------------------------|----------------------------|------------|
| Total no. of patients investigated by VRDLs | 10284 | 5 | 10289 |
| Total no. of samples tested | 10444 | 5 | 10449 |
| Total no. of tests run | 18640 | 5 | 18645 |
| Total tests positive | 1365 | 3 | 1368 |
| Total cases positives (%) | 1240 (12%) | 3 (60%) | 1243 (12%) |

Table 1: Suspected outbreaks diagnosed by VRDLs March 2021 (n=1)

| VRDL, State | Districts | Etiological Agent | No. of outbreaks | Positive Cases | Total cases tested |
|-------------------------------|----------------------|------------------------------|------------------|----------------|--------------------|
| 04. RMRC, Bhubaneswar, Odisha | Balasore, Mayurbhanj | P-Japanese Encephalitis(JE)/ | 1 | 3 | 5 |

Table2 : Virus tested at VRDLs during March 2021 (n=18645)

| Virus Tested | Positive | % | Total Tested |
|---------------------------------------|-----------------|-------------|---------------------|
| Dengue | 299 | 6.2% | 4821 |
| Hepatitis B virus (HBV) | 215 | 5.7% | 3774 |
| Hepatitis C virus (HCV) | 382 | 11.3% | 3381 |
| Chikungunya | 87 | 6.3% | 1371 |
| Orientia tsutsugamushi (Scrub typhus) | 52 | 7.2% | 724 |
| Hepatitis A virus (HAV) | 33 | 6.0% | 546 |
| Hepatitis E virus (HEV) | 62 | 11.9% | 519 |
| Influenza A Pandemic H1N1 | 1 | 0.2% | 444 |
| Cytomegalovirus (CMV) | 72 | 18.1% | 398 |
| Leptospira | 34 | 8.9% | 383 |
| Herpes simplex virus (HSV) | 16 | 5.0% | 319 |
| Japanese Encephalitis(JE) | 9 | 3.1% | 288 |
| Epstein-Barr-virus (EBV) | 19 | 9.7% | 195 |
| Parvovirus | 14 | 8.5% | 164 |
| Rubella Virus | 13 | 8.2% | 158 |
| Measles | 11 | 7.1% | 154 |
| Herpes simplex virus -1 (HSV-1) | 5 | 3.9% | 129 |
| Influenza B | 0 | 0.0% | 119 |
| Influenza A | 2 | 2.2% | 92 |
| Varicella Zoster Virus (VZV) | 6 | 9.0% | 67 |
| Enterovirus | 1 | 1.5% | 65 |
| Herpes simplex virus -2 (HSV-2) | 0 | 0.0% | 61 |
| Influenza A H3N2 | 4 | 6.6% | 61 |
| Adeno Virus | 1 | 2.0% | 51 |
| Hepatitis D virus (HDV) | 0 | 0.0% | 50 |
| Human metapneumovirus (HMPV) | 2 | 4.3% | 47 |
| Rhinovirus | 4 | 10.0% | 40 |
| Parainfluenza 1/2/3/4 | 1 | 3.3% | 30 |
| Respiratory Syncytial Virus (RSV) | 0 | 0.0% | 26 |
| West Nile virus (WNV) | 0 | 0.0% | 25 |
| Human parechovirus (HPeV) | 0 | 0.0% | 23 |
| Respiratory Syncytial virus A (RSVA) | 2 | 8.7% | 23 |
| Respiratory Syncytial virus B (RSVB) | 1 | 4.3% | 23 |
| Rota Virus | 6 | 33.3% | 18 |
| Mumps virus | 0 | 0.0% | 17 |
| Coronavirus | 12 | 80.0% | 15 |
| Human Boca virus | 0 | 0.0% | 13 |
| JC VIRUS | 1 | 25.0% | 4 |
| Bocaparvovirus | 1 | 50.0% | 2 |
| Nipah virus | 0 | 0.0% | 2 |
| Not in the list | 0 | 0.0% | 2 |
| Kyasanur Forest Disease Virus | 0 | 0.0% | 1 |
| Total | 1368 | 7.3% | 18645 |