

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

**May 2021 - REPORT**

Functional VRDLs (n=36)

|   | Medical college hospital | Outbreak / Disease cluster | Total     |
|---|--------------------------|----------------------------|-----------|
| Total no. of patients investigated by VRDLs | 3909                     | 0                          | 3909      |
| Total no. of samples tested                 | 3935                     | 0                          | 3935      |
| Total no. of tests run                      | 7829                     | 0                          | 7829      |
| Total tests positive                        | 500                      | 0                          | 500       |
| Total cases positives (%)                   | 473 (12%)                | 0                          | 473 (12%) |

**Table 1: Suspected outbreaks diagnosed by VRDLs May 2021 (n=0)**

| VRDL, State | Districts | Etiological Agent | No. of outbreaks | Positive Cases | Total cases tested |
|-------------|-----------|-------------------|------------------|----------------|--------------------|
|             |           |                   |                  |                |                    |

**Table 2 : Routine virus tested at VRDLs during May 2021 (n=7829)**

| <b>Virus Tested</b>                   | <b>Positive</b> | <b>%</b>    | <b>Total Tested</b> |
|---------------------------------------|-----------------|-------------|---------------------|
| Hepatitis C virus (HCV)               | 77              | 3.8%        | 2042                |
| Hepatitis B virus (HBV)               | 165             | 8.2%        | 2009                |
| Dengue                                | 108             | 8.1%        | 1336                |
| Chikungunya                           | 15              | 3.4%        | 446                 |
| Orientia tsutsugamushi (Scrub typhus) | 6               | 1.6%        | 372                 |
| Hepatitis A virus (HAV)               | 24              | 11.4%       | 211                 |
| Hepatitis E virus (HEV)               | 21              | 11.1%       | 189                 |
| Cytomegalovirus (CMV)                 | 19              | 14.1%       | 135                 |
| Herpes simplex virus (HSV)            | 3               | 2.3%        | 130                 |
| Leptospira                            | 28              | 21.7%       | 129                 |
| Influenza A Pandemic H1N1             | 0               | 0.0%        | 103                 |
| Influenza A                           | 0               | 0.0%        | 100                 |
| Epstein-Barr-virus (EBV)              | 2               | 1.5%        | 68                  |
| Japanese Encephalitis (JE)            | 2               | 3.1%        | 64                  |
| Rubella Virus                         | 5               | 8.1%        | 62                  |
| Influenza B                           | 0               | 0.0%        | 58                  |
| Herpes simplex virus -1 (HSV-1)       | 0               | 0.0%        | 52                  |
| Varicella Zooster Virus (VZV)         | 4               | 8.3%        | 48                  |
| Measles                               | 5               | 12.2%       | 41                  |
| Herpes simplex virus -2 (HSV-2)       | 0               | 0.0%        | 40                  |
| Enterovirus                           | 0               | 0.0%        | 38                  |
| Influenza A H3N2                      | 0               | 0.0%        | 26                  |
| Coronavirus                           | 12              | 70.6%       | 17                  |
| Parvovirus                            | 2               | 13.3%       | 15                  |
| Adeno Virus                           | 1               | 7.7%        | 13                  |
| Human metapneumovirus (HMPV)          | 0               | 0.0%        | 13                  |
| Rhinovirus                            | 1               | 7.7%        | 13                  |
| Parainfluenza 1/2/3/4                 | 0               | 0.0%        | 12                  |
| West Nile virus (WNV)                 | 0               | 0.0%        | 9                   |
| Hepatitis D virus (HDV)               | 0               | 0.0%        | 8                   |
| Respiratory Syncytial virus A (RSVA)  | 0               | 0.0%        | 8                   |
| Respiratory Syncytial virus B (RSVB)  | 0               | 0.0%        | 8                   |
| Other Influenza                       | 0               | 0.0%        | 7                   |
| Respiratory Syncytial Virus (RSV)     | 0               | 0.0%        | 6                   |
| Human Boca virus                      | 0               | 0.0%        | 1                   |
| <b>Total</b>                          | <b>500</b>      | <b>6.4%</b> | <b>7829</b>         |