

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

April 2017 - REPORT

| | DHR | ICMR |
|---|--------------|------------|
| Number of VRDLs functional | 29 | 6 |
| Suspected outbreaks diagnosed during January 2017 (table 1) | 32 | 4 |
| Total no. of patients investigated by VRDLs | 7867 | 2531 |
| Total no. of samples tested | 8019 | 2685 |
| Total no. of tests run | 15060 | 7018 |
| Total cases positives (%) | 1434 (18.2%) | 661(26.1%) |

**Suspected outbreaks
(36)
n=409**

- DHR (283)
 - 153(54.0%) positives
 - 350 samples
 - 612 tests run
- ICMR (126)
 - 73(57.9%) positives
 - 126samples
 - 228 tests run

**Medical college
hospital-routine
diagnostics
n=9989**

- DHR (7584)
 - 1281 (16.8%) positives
 - 7669 samples
 - 14448 tests run
- ICMR (2405)
 - 588 (24.4%) positives
 - 2559 samples
 - 6790 tests run

Table 1: Suspected outbreaks diagnosed by VRDLs April 2017 (n=36)

| ICMR /DHR | VRDL, State | Districts | Etiological Agent | No. of outbreaks | Positive cases | Total cases tested |
|-----------|------------------------------------|---|-------------------|------------------|----------------|--------------------|
| DHR | 03. KGMU, Lucknow, UP | Sitapur | Hepatitis E virus | 1 | 22 | 25 |
| | | Maharajganj, Raebareli, Lucknow | Varicella Zoaster | 3 | 19 | 25 |
| ICMR | 04. RMRC, Bhubaneswar, Odisha | Kalahandi, Khurda | Hepatitis E virus | 3 | 61 | 100 |
| | | Jagatsinghpur | Varicella Zoaster | 1 | 5 | 15 |
| DHR | 05. GMC, Jagdalpur, Chattisgarh | Bastar | Varicella Zoaster | 1 | 3 | 9 |
| DHR | 06. SMS Medical College, Rajasthan | Karauli | Dengue | 1 | 2 | 15 |
| ICMR | 13. RMRIMS, Patna, Bihar | Patna | Varicella Zoaster | 1 | 3 | 9 |
| DHR | 14. RMRC, Dibrugarh, Assam | Mangaldoi | Varicella Zoaster | 1 | 2 | 5 |
| DHR | 20. BJ Medical College, Gujarat | Kuttch, Gir somnath, Morbi, Mahesana, Bhavanagar, Botad | Measles | 9 | 34 | 45 |
| DHR | 21. Patna MC, Patna, Bihar | Jamui | Varicella Zoaster | 1 | 8 | 8 |
| DHR | 24. PGIMR, Chandigarh | Yamuna nagar | Rubella Virus | 1 | 1 | 5 |
| | | Chandigarh, Ambala, Faridkot | Measles | 4 | 17 | 22 |
| DHR | 29. SVIMS, Tirupathi, AP | Kadapa, Prakasam, Krishna, Chittore | Influenza | 6 | 29 | 76 |
| DHR | 31. Guwahati MC, Assam | Jaintia Hills | Measles | 1 | 4 | 5 |
| DHR | 35. Govt Siddhartha MC, AP | Krishana | Chikungunya | 1 | 3 | 9 |
| DHR | 39. GMC, Patiala, Punjab | Mansa | Measles | 1 | 3 | 5 |

Table 2: Routine virus tested at various VRDLs during April 2016 (n=22078)

| | DHR | | | ICMR | | |
|-----------------------------------|-------------|--------------|--------------|------------|-------------|--------------|
| | Positive | Positive % | Total Tested | Positive | Positive % | Total Tested |
| Hepatitis C virus (HCV) | 210 | 8.7% | 2401 | 5 | 5.2% | 97 |
| Dengue | 249 | 11.5% | 2169 | 53 | 3.9% | 1368 |
| Hepatitis B virus (HBV) | 203 | 9.7% | 2094 | 12 | 12.5% | 96 |
| Influenza A H1N1 | 208 | 17.2% | 1211 | 394 | 29.6% | 1332 |
| Influenza A | 151 | 17.3% | 872 | 3 | 27.3% | 11 |
| Cytomegalovirus (CMV) | 89 | 12.3% | 725 | 5 | 13.9% | 36 |
| Hepatitis A virus (HAV) | 66 | 9.4% | 703 | 17 | 8.5% | 201 |
| Hepatitis E virus (HEV) | 101 | 16.2% | 625 | 73 | 37.2% | 196 |
| Chikungunya | 104 | 16.8% | 620 | 3 | 3.1% | 97 |
| Herpes simplex virus (HSV) | 34 | 5.8% | 582 | 6 | 4.9% | 122 |
| Japanese Encephalitis(JE) | 2 | 0.5% | 412 | 0 | 0.0% | 97 |
| Rubella Virus | 52 | 13.4% | 388 | 29 | 40.3% | 72 |
| Varicella Zoaster Virus (VZV) | 43 | 13.0% | 332 | 22 | 29.3% | 75 |
| Herpes Simplex Virus (HSV-2) | 1 | 0.4% | 284 | 3 | 4.5% | 66 |
| Not in the list | 17 | 6.7% | 253 | 6 | 5.2% | 116 |
| Epstein-Barr-Virus (EBV) | 9 | 3.6% | 248 | 1 | 10.0% | 10 |
| Enterovirus | 0 | 0.0% | 247 | 1 | 1.2% | 85 |
| Influenza B | 19 | 8.5% | 223 | 8 | 0.6% | 1314 |
| West Nile | 2 | 1.1% | 188 | 0 | 0.0% | 1 |
| Measles | 70 | 49.3% | 142 | 11 | 32.4% | 34 |
| Influenza A H3N2 | 1 | 0.8% | 132 | 7 | 0.5% | 1335 |
| Parvovirus | 17 | 20.5% | 83 | 2 | 50.0% | 4 |
| Adeno Virus | 1 | 2.0% | 51 | 12 | 14.6% | 82 |
| Respiratory Syncytial Virus (RSV) | 14 | 28.6% | 49 | 0 | 0.0% | 63 |
| Rota Virus | 4 | 25.0% | 16 | 8 | 15.7% | 51 |
| Parainfluenza 1,2,3,4 | 0 | 0.0% | 4 | 0 | 0.0% | 0 |
| Parainfluenza 1,2 | 0 | 0.0% | 3 | 0 | 0.0% | 0 |
| Mumps | 0 | 0.0% | 1 | 0 | 0.0% | 0 |
| Norovirus | 0 | 0.0% | 1 | 1 | 2.0% | 51 |
| Other Influenza | 0 | 0.0% | 1 | 0 | 0.0% | 0 |
| No data | 0 | 0.0% | 0 | 0 | 0.0% | 6 |
| Total | 1667 | 11.1% | 15060 | 682 | 9.7% | 7018 |