# WEEKLY EPIDEMIOLOGICAL REPORT

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WER SRI LANKA 2018

**Vol. 45 No. 46** **10th– 16th November 2018**


## Influenza-related deaths investigation – 2018, Southern Province Part II

**Table 4: Distribution of type of doctors consulted in the first and second episode of the illness**

| Type of Doctors consulted in the first Visit | 1st Episode | | 2nd Episode | |
|---|---|---|---|---|
| | No. | % | No | % |
| General Practitioner | 12 | 60.0 | 1 | 8.3 |
| Consultant Paediatrician | 3 | 15.0 | 6 | 50.0 |
| Government hospital | 4 | 20.0 | 5 | 41.7 |
| Following delivery (New born in the same hospital) | 1 | 5.0 | | |
| Total | 20 | 100.0 | 12 | 100.0 |

Twelve patients had gone to GPs in the first episode of the illness whereas in the second episode of illness 50% had gone to a consultant Paediatrician and 40% had gone to a Government hospital. It has been shown that the parents were aware of the disease severity of their children.

The time gap between the onset of symptoms and admission to the hospital was assessed. Table 6 shows the results.

**Table 05: Distribution of cases according to the number of days from the onset symptoms to hospital admission**

| No of days between onset of symptoms & admission | 1st Episode (mean -2.8 days) | | 2nd Episode (mean – 2.25 days) | |
|---|---|---|---|---|
| | No | % | No | % |
| D0 | 2 | 10 | 3 | 25 |
| D1 | 2 | 10 | | |
| D2 | 4 | 20 | 2 | 16 |
| D3 | 5 | 25 | 5 | 41 |
| D4 | 5 | 25 | 2 | 16 |
| D5 | 1 | 5 | | |
| D6 | 1 | 5 | | |
| Sent for NICU care after delivery | 1 | 5 | | |
| Total | 20 | 100.0 | 12 | 100.0 |

Forty per cent (40%) of children were admitted to a hospital within two days of onset of illness in both episodes although 80% of patients had been seen by a doctor in first two days of illness.

The number of days taken for the admission to a hospital after seen by a doctor is demonstrated in table 7.

**Table 6: Distribution of cases according to the number of days between first seen by a doctor and for admission to a hospital (See Next Page..)**

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| No of days between 1st seen by a doctor to admission | 1st Episode (mean -2 days) | | 2nd Episode – 1.3 (mean days) | |
|---|---|---|---|---|
| | No | % | No | % |
| D1 | 5 | 25.0 | 6 | 50.0 |
| D2 | 2 | 10.0 | 1 | 8.3 |
| D3 | 4 | 20.0 | 1 | 8.3 |
| D4 | 5 | 25.0 | 3 | 25.0 |
| D5 | 1 | 5.0 | 1 | 8.3 |
| D6 | 1 | 5.0 | | |
| D7 | 1 | 5.0 | | |
| Sent for NICU care after delivery | 1 | 5.0 | | |
| Total | 20 | 100.0 | 12 | 99.9 |

Forty per cent of patients were admitted within two days after seen by a doctor in the first episode of illness whereas 50% of patients were admitted on the first day in the second episode of illness. There might have been lesser clinical signs in the first episode of illness whereas it may have been a serious presentation in the second episode.

**Age**

All the affected children of these lower respiratory tract infections were less than five years of age. The age distribution among deceased children are shown in table 8.

**Table 7: Distribution of deceased children by age category**

| Age of the patient | No. | % |
|---|---|---|
| < 1 m | 1 | 5.0 |
| 1m ≤6m | 1 | 5.0 |
| 6m ≤ 12m | 13 | 65.0 |
| 12m ≤ 24m | 4 | 20.0 |
| 24m ≤ 36m | 1 | 5.0 |
| Total | 20 | 100.0 |

There were 13 (65%) children between 6 months to one year of age. Seventy-five per cent of the deaths reported among infants. Weaning of maternal antibodies during this period may be a possible reason. There were no deaths reported among children more than 36 months of age

**Sex:**

There was significant male predominance among deceased children.

**Table 8: distribution of deceased children by sex**

| Sex | No. | % |
|---|---|---|
| Male | 14 | 70.0 |
| Female | 6 | 30.0 |
| Total | 20 | 100.0 |

Out of all deaths, 14 (70%) were among male children.

**Clinical features / Presenting complains:**

As it is a respiratory tract infection the majority of patients was presented with cough and fever.

**Table 9: Distribution of deaths among children by predominant presenting symptoms**

| Clinical features / presenting complains | No | % |
|---|---|---|
| Fever, cough<br>Fever, cough & loose stools | 12<br>04 | 60%<br>20% |
| Fever, cough, shortness of breath | 02 | 10% |
| Shortness of breath | 02 | 10% |

The majority (12, 60%) of them presented with fever and cough. A considerable number of patients was presented with loose stools as a presenting complaint in the first episode of the illness. In the second episode of illness presenting with loose stools were more (8, 66.7%, out of 12 children) compared to the first episode. Those presented clinical findings are compatible with influenza-like illness.

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to be continued ...

**Table 1: Selected notifiable diseases reported by Medical Officers of Health 03rd-09th Nove 2018(45th Week)**

| RDHS Division | Dengue Fever | | Dysentery | | Encephalitis | | Enteric Fever | | Food Poisoning | | Leptospirosis | | Typhus Fever | | Viral Hepatitis | | Human Rabies | | Chickenpox | | Meningitis | | Leishmania-sis | | WRCD | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | T* | C** |
| Colombo | 161 | 8242 | 4 | 89 | 0 | 9 | 1 | 39 | 0 | 35 | 3 | 200 | 1 | 13 | 0 | 9 | 0 | 0 | 18 | 641 | 2 | 64 | 1 | 5 | **61** | **100** |
| paha | 89 | 4691 | 2 | 68 | 0 | 8 | 0 | 22 | 0 | 168 | 7 | 210 | 0 | 8 | 0 | 13 | 0 | 0 | 13 | 671 | 1 | 44 | 1 | 51 | **64** | **100** |
| Kalutara | 44 | 2647 | 2 | 83 | 0 | 5 | 2 | 15 | 2 | 57 | 18 | 583 | 0 | 6 | 0 | 15 | 0 | 0 | 28 | 637 | 5 | 94 | 0 | 9 | **54** | **100** |
| Kandy | 73 | 3289 | 1 | 108 | 0 | 6 | 0 | 4 | 1 | 26 | 4 | 94 | 2 | 97 | 2 | 22 | 0 | 1 | 4 | 301 | 0 | 39 | 0 | 32 | **59** | **100** |
| Matale | 5 | 816 | 1 | 23 | 0 | 1 | 0 | 4 | 1 | 42 | 3 | 86 | 1 | 4 | 0 | 8 | 0 | 0 | 4 | 50 | 2 | 15 | 11 | 148 | **60** | **100** |
| NuwaraEliya | 2 | 182 | 1 | 52 | 0 | 4 | 0 | 12 | 0 | 159 | 2 | 43 | 1 | 127 | 0 | 25 | 0 | 0 | 0 | 198 | 0 | 40 | 0 | 0 | **25** | **100** |
| Galle | 7 | 837 | 4 | 55 | 0 | 12 | 0 | 6 | 0 | 23 | 8 | 369 | 1 | 61 | 0 | 3 | 0 | 1 | 12 | 339 | 1 | 56 | 0 | 5 | **29** | **100** |
| Hambantota | 12 | 794 | 8 | 22 | 0 | 4 | 0 | 3 | 0 | 5 | 1 | 68 | 0 | 73 | 0 | 3 | 0 | 1 | 3 | 246 | 0 | 15 | 3 | 687 | **71** | **100** |
| Matara | 21 | 952 | 0 | 39 | 0 | 6 | 0 | 9 | 0 | 23 | 12 | 231 | 2 | 54 | 0 | 17 | 0 | 0 | 5 | 261 | 0 | 14 | 9 | 449 | **54** | **100** |
| Jaffna | 107 | 2791 | 13 | 172 | 0 | 6 | 0 | 47 | 0 | 223 | 2 | 13 | 4 | 267 | 0 | 1 | 0 | 2 | 7 | 265 | 0 | 10 | 0 | 3 | **37** | **93** |
| Kilinochchi | 8 | 293 | 2 | 33 | 0 | 1 | 0 | 20 | 0 | 5 | 0 | 5 | 0 | 16 | 0 | 0 | 0 | 1 | 0 | 32 | 0 | 2 | 0 | 1 | **51** | **100** |
| Mannar | 1 | 197 | 2 | 24 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 1 | 11 | 12 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 4 | 0 | 3 | **36** | **100** |
| Vavuniya | 7 | 523 | 0 | 17 | 0 | 4 | 2 | 45 | 0 | 12 | 3 | 39 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 46 | 0 | 5 | 1 | 13 | **56** | **100** |
| Mullaitivu | 3 | 104 | 1 | 8 | 0 | 0 | 0 | 10 | 0 | 11 | 0 | 8 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 11 | 0 | 1 | 0 | 2 | **25** | **100** |
| Batticaloa | 34 | 4454 | 8 | 169 | 0 | 5 | 0 | 9 | 0 | 29 | 1 | 44 | 0 | 3 | 0 | 4 | 0 | 3 | 5 | 175 | 0 | 21 | 0 | 0 | **64** | **100** |
| Ampara | 3 | 214 | 1 | 71 | 1 | 4 | 0 | 3 | 0 | 9 | 1 | 36 | 0 | 0 | 0 | 7 | 0 | 1 | 1 | 276 | 0 | 23 | 0 | 3 | **66** | **100** |
| Trincomalee | 9 | 958 | 0 | 36 | 0 | 2 | 0 | 5 | 0 | 13 | 0 | 50 | 0 | 22 | 1 | 3 | 0 | 0 | 0 | 188 | 0 | 9 | 0 | 18 | **30** | **100** |
| Kurunegala | 41 | 2139 | 6 | 126 | 0 | 17 | 0 | 13 | 1 | 7 | 44 | 224 | 0 | 22 | 0 | 23 | 0 | 2 | 24 | 529 | 1 | 83 | 21 | 392 | **62** | **100** |
| Puttalam | 47 | 1656 | 1 | 63 | 0 | 6 | 0 | 6 | 0 | 10 | 1 | 43 | 0 | 11 | 1 | 3 | 0 | 0 | 0 | 135 | 1 | 74 | 0 | 3 | **63** | **100** |
| Anuradhapura | 11 | 786 | 11 | 80 | 0 | 7 | 0 | 4 | 0 | 44 | 12 | 137 | 0 | 20 | 0 | 14 | 0 | 2 | 11 | 385 | 0 | 48 | 19 | 461 | **44** | **95** |
| Polonnaruwa | 7 | 275 | 3 | 39 | 0 | 5 | 0 | 0 | 0 | 19 | 6 | 108 | 1 | 1 | 0 | 4 | 0 | 1 | 11 | 275 | 0 | 20 | 5 | 234 | **56** | **88** |
| Badulla | 10 | 508 | 6 | 131 | 0 | 9 | 0 | 13 | 0 | 15 | 1 | 158 | 2 | 85 | 0 | 64 | 0 | 0 | 12 | 439 | 2 | 110 | 0 | 10 | **48** | **100** |
| Monaragala | 7 | 776 | 2 | 76 | 0 | 2 | 0 | 1 | 0 | 4 | 11 | 269 | 1 | 127 | 2 | 46 | 0 | 0 | 4 | 175 | 7 | 152 | 0 | 43 | **66** | **100** |
| Ratnapura | 33 | 1979 | 4 | 177 | 0 | 39 | 1 | 24 | 0 | 5 | 22 | 635 | 0 | 27 | 0 | 27 | 0 | 2 | 4 | 287 | 4 | 114 | 3 | 198 | **46** | **100** |
| Kegalle | 26 | 1278 | 1 | 52 | 0 | 12 | 0 | 8 | 1 | 92 | 18 | 283 | 0 | 71 | 0 | 16 | 0 | 0 | 5 | 366 | 1 | 45 | 0 | 14 | **63** | **100** |
| Kalmune | 12 | 1608 | 2 | 47 | 0 | 3 | 0 | 3 | 0 | 33 | 1 | 9 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 192 | 0 | 14 | 0 | 1 | **51** | **100** |
| **SRILANKA** | **780** | **42989** | **86** | **1860** | **1** | **177** | **6** | **328** | **6** | **1071** | **18** | **3946** | **27** | **1142** | **6** | **328** | **0** | **19** | **171** | **7148** | **27** | **1116** | **74** | **2785** | **53** | **99** |

**Source: Weekly Returns of Communicable Diseases (WRCD).**

*T=Timeliness refers to returns received on or before 09th November , 2018 Total number of reporting units 353 Number of reporting units data provided for the current week: 351 **C****-Completeness

**A** = Cases reported during the current week. **B** = Cumulative cases for the year.

## Table 2: Vaccine-Preventable Diseases & AFP

03rd -09th Nove 2018 (45th Week)

| Disease | No. of Cases by Province | | | | | | | | | Number of cases during current week in 2018 | Number of cases during same week in 2017 | Total number of cases to date in 2018 | Total number of cases to date in 2017 | Difference between the number of cases to date in 2018 & 2017 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | C | S | N | E | NW | NC | U | Sab | | | | | |
| AFP* | 00 | 00 | 01 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 01 | 56 | 62 | - 9.6 % |
| Diphtheria | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 0 % |
| Mumps | 03 | 01 | 00 | 00 | 04 | 00 | 00 | 00 | 01 | 09 | 06 | 306 | 272 | 12.5 % |
| Measles | 01 | 00 | 01 | 01 | 00 | 01 | 00 | 00 | 00 | 04 | 02 | 110 | 182 | - 39.5 % |
| Rubella | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 00 | 00 | 01 | 00 | 08 | 10 | - 20 % |
| CRS** | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 0% |
| Tetanus | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 18 | 16 | 12.5 % |
| Neonatal Tetanus | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 0 % |
| Japanese Encephalitis | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 25 | 22 | 13.6 % |
| Whooping Cough | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 46 | 19 | 142.1 % |
| Tuberculosis | 39 | 13 | 04 | 02 | 06 | 02 | 20 | 15 | 02 | 103 | 138 | 7478 | 7329 | 2 % |

### Key to Table 1 & 2

**Provinces:** **W**: Western, **C**: Central, **S**: Southern, **N**: North, **E**: East, **NC**: North Central, **NW**: North Western, **U**: Uva, **Sab**: Sabaragamuwa.

**RDHS Divisions:** **CB**: Colombo, **GM**: Gampaha, **KL**: Kalutara, **KD**: Kandy, **ML**: Matale, **NE**: Nuwara Eliya, **GL**: Galle, **HB**: Hambantota, **MT**: Matara, **JF**: Jaffna, **KN**: Killinochchi, **MN**: Mannar, **VA**: Vavuniya, **MU**: Mullaitivu, **BT**: Batticaloa, **AM**: Ampara, **TR**: Trincomalee, **KM**: Kalmunai, **KR**: Kurunegala, **PU**: Puttalam, **AP**: Anuradhapura, **PO**: Polonnaruwa, **BD**: Badulla, **MO**: Moneragala, **RP**: Ratnapura, **KG**: Kegalle.

**Data Sources:**

**Weekly Return of Communicable Diseases:** Diphtheria, Measles, Tetanus, Neonatal Tetanus, Whooping Cough, Chickenpox, Meningitis, Mumps., Rubella, CRS,

**Special Surveillance: AFP*** (Acute Flaccid Paralysis ), Japanese Encephalitis

**CRS** =**Congenital Rubella Syndrome

**NA** = Not Available

### Dengue Prevention and Control Health Messages

**Look for plants such as bamboo, bohemia, rampe and banana in your surroundings and maintain them free of water collection.**

**PRINTING OF THIS PUBLICATION IS FUNDED BY THE WORLD HEALTH ORGANIZATION (WHO).**

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