



WEEKLY EPIDEMIOLOGICAL REPORT

A publication of the Epidemiology Unit
Ministry of Health, Nutrition & Indigenous Medicine

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Influenza-related deaths investigation – 2018, Southern Province Part III

Associated Co-morbidities

There were children with severe congenital abnormalities among the deceased. The associated co-morbidities are in Table 10.

Table 10: Distribution of deaths among children according to the presence of co-morbidities

Presence of co-morbidity	N	%
Yes	10	50.0
Trisomy 21 + Congenital Heart Disease - 2		0
Cerebral palsy, west syndrome - 1		
Dimorphism + Congenital Heart Disease + hypothyroidism- 1		
Congenital HD + pulmonary hypertension/Heart failure - 2		
Microcephaly + Broncho pulmonary dysplasia + basal ganglia calcification, renal impairment – 1		
Recurrent respiratory tract infection + bronchiolitis – 2		
Congenital Heart Disease + cleft lip & palate – 1		
No	10	50.0
Total	20	100

Nearly 50% of children had severe co-morbidities among the deceased. There were two patients suffering from bronchiolit-

is and recurrent hospital admission during the last three months.

There were 12 patients admitted earlier to hospitals and discharged after treatment. Then they were again admitted with the same symptoms. The duration between the discharge from the first episode of illness and the commencing of the second episode and the admission to a hospital is given below.

Table 11: Duration from discharge from the first episode of illness to the onset of 2nd episode and time taken to the 2nd admission

	No. of days from discharge to onset of symptoms of 2 nd episode	No. of days from discharge to 2 nd admission
Range	0 - 14days	0 -17 days
Mean duration	4.6 days	6.8 days
Median duration	4	6
	10 out of 12 developed symptoms by 4 th day	10 out of 12 readmitted by 8 days

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Twelve children who had been discharged after treatment for lower respiratory tract infection have been admitted again with the same kind of illness. The range of days for re-appearance of symptoms was 0- 14 days with a mean duration of 4.6 days.

ICU care:

The majority of the patients were in severe condition when they reached THK and had been given ICU care

Table 12: Distribution of ICU care given and ventilator support among the deceased children

	ICU care		Ventilated	
	No.	%	No.	%
Yes	14	70.0	15	75.0
No	6	30.0	5	25.0
Total	20	100.0	20	100.0

Fourteen patients (70%) were given ICU care. However, one patient died on the way while being transferred to Teaching Hospital Peradeniya for ICU care and one patient was ventilated in the general paediatric ward using a transport ventilator. Six patients were not able to manage at ICU settings due to lack of facilities.

Testing of samples for Virology

Out of 20 patients, eighteen were tested for virology. Virology samples were not sent in the first episodes of illness for the twelve patients who were admitted before

Table 13: Distribution of testing samples for virology among deceased children

Virology has done	No	%
Yes	18	90.0%
No	02	10.0%
Total	20	100.0%

Compiled by :

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Table 1 : Water Quality Surveillance Number of microbiological water samples October 2018			
District	MOH areas	No: Expected *	No: Received
Colombo	15	90	80
Gampaha	15	90	NR
Kalutara	12	72	NR
Kalutara NIHS	2	12	NR
Kandy	23	138	NR
Matale	13	78	33
Nuwara Eliya	13	78	90
Galle	20	120	68
Matara	17	102	149
Hambantota	12	72	46
Jaffna	12	72	106
Kilinochchi	4	24	39
Manner	5	30	16
Vavuniya	4	24	55
Mullatvu	5	30	NR
Batticaloa	14	84	97
Ampara	7	42	36
Trincomalee	11	66	NR
Kurunegala	29	174	99
Puttalam	13	78	57
Anuradhapura	19	114	27
Polonnaruwa	7	42	36
Badulla	16	96	95
Moneragala	11	66	121
Rathnapura	18	108	64
Kegalle	11	66	50
Kalmunai	13	78	77

* No of samples expected (6 / MOH area / Month)
NR = Return not received

Table 1: Selected notifiable diseases reported by Medical Officers of Health 10th-16th Nove 2018(46th Week)

RDHS Division	Dengue Fever		Dysentery		Encephalitis		Enteric Fever		Food Poisoning		Leptospirosis		Typhus Fever		Viral Hepatitis		Human Rabies		Chickenpox		Meningitis		Leishmaniasis		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	199	8441	0	89	0	9	1	40	1	36	10	210	1	14	1	10	0	0	18	659	1	65	0	5	61	100
paha	116	4807	0	68	0	8	0	22	0	168	1	211	1	9	0	13	0	0	9	680	0	44	1	52	64	100
Kalutara	53	2700	3	86	0	5	0	15	0	57	17	600	0	6	0	15	0	0	10	647	1	95	0	9	54	100
Kandy	89	3378	2	110	1	7	0	4	0	26	7	101	2	99	1	23	0	1	4	305	1	40	2	34	59	100
Matale	7	823	0	23	0	1	1	5	0	42	5	91	0	4	2	10	0	0	3	53	0	15	11	159	60	100
NuwaraEliya	1	183	1	53	0	4	0	12	0	159	2	45	4	131	3	28	0	0	1	199	2	42	0	0	25	100
Galle	15	852	2	57	0	12	0	6	2	25	12	381	0	61	0	3	0	1	7	346	0	56	0	5	30	100
Hambantota	14	808	2	24	0	4	0	3	0	5	3	71	3	76	0	3	0	1	3	249	0	15	7	694	70	100
Matara	18	970	1	40	0	6	0	9	0	23	13	244	2	56	0	17	0	0	5	266	0	14	3	452	55	100
Jaffna	105	2896	11	183	0	6	1	48	0	223	0	13	13	280	0	1	0	2	2	267	3	13	0	3	36	93
Kilinochchi	9	302	2	35	0	1	0	20	0	5	2	7	0	16	0	0	0	1	0	32	0	2	0	1	51	100
Mannar	1	198	0	24	0	0	0	3	0	2	0	1	0	12	0	0	0	0	0	28	0	4	0	3	36	100
Vavuniya	8	531	1	18	0	4	1	46	4	16	3	42	0	7	0	0	0	1	3	49	1	6	0	13	55	100
Mullaitivu	0	104	0	8	0	0	0	10	0	11	0	8	0	7	0	0	0	1	0	11	0	1	0	2	25	100
Batticaloa	46	4500	12	181	0	5	0	9	0	29	0	44	0	3	1	5	0	3	5	180	0	21	0	0	64	100
Ampara	5	219	3	74	1	5	0	3	1	10	2	38	0	0	0	7	0	1	1	277	5	28	0	3	65	100
Trincmalee	19	977	3	39	0	2	1	6	0	13	5	55	0	22	0	3	0	0	6	194	1	10	1	19	30	100
Kurunegala	33	2172	3	129	0	17	0	13	1	8	30	254	0	22	0	23	0	2	23	552	0	83	7	399	61	100
Puttalam	62	1718	7	70	1	7	0	6	0	10	3	46	0	11	0	3	0	0	0	135	7	81	0	3	63	100
Anuradhapura	9	795	3	83	0	7	0	4	0	44	10	147	0	20	0	14	0	2	9	394	0	48	10	471	44	95
Polonnaruwa	7	282	3	42	0	5	0	0	0	19	5	113	0	1	0	4	0	1	6	281	1	21	1	235	56	88
Badulla	18	526	4	135	0	9	0	13	1	16	2	160	1	86	0	64	0	0	18	457	4	114	0	10	48	100
Monaragala	7	783	5	81	0	2	0	1	0	4	29	298	7	134	0	46	0	0	2	177	8	160	1	44	66	100
Ratnapura	44	2023	2	179	0	39	5	29	0	5	21	656	0	27	0	27	0	2	12	299	6	120	7	205	46	100
Kegalle	37	1315	5	57	1	13	0	8	1	93	20	303	2	73	0	16	0	0	18	384	1	46	0	14	63	100
Kalmune	13	1621	1	48	0	3	0	3	0	33	0	9	0	1	0	1	0	0	4	196	2	16	0	1	51	100
SRI LANKA	935	43924	76	1936	4	181	10	338	11	1082	20	4148	36	1178	8	336	0	19	169	7317	44	1160	51	2836	53	99

Source: Weekly Returns of Communicable Diseases (WRCD).

*T=Timeliness refers to returns received on or before 16th 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 **10th-16th Nove 2018 (46th 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*	01	00	00	01	01	00	01	00	00	04	02	60	64	- 6.2 %
Diphtheria	00	00	00	00	00	00	00	00	00	00	00	00	00	0 %
Mumps	01	00	03	01	10	01	01	00	00	17	04	323	276	17 %
Measles	00	00	00	00	00	00	00	00	00	00	03	110	185	- 40.5 %
Rubella	00	00	00	00	00	00	00	00	00	00	00	08	10	- 20 %
CRS**	00	00	00	00	00	00	00	00	00	00	00	00	01	0%
Tetanus	01	00	00	00	00	00	00	00	00	01	00	19	16	18.7 %
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	03	25	25	0 %
Whooping Cough	00	00	00	00	00	00	00	00	00	00	00	46	19	142.1 %
Tuberculosis	142	07	34	07	10	08	00	04	37	249	152	7727	7481	3.2 %

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

Influenza Surveillance in Sentinel Hospitals - ILI & SARI							
Month	Human				Animal		
	No Total	No Positive	Infl A	Infl B	Pooled samples	Serum Samples	Positives
November	241	61	34	35	1854	998	0

Source: Medical Research Institute & Veterinary Research Institute

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Comments and contributions for publication in the WER Sri Lanka are welcome. However, the editor reserves the right to accept or reject items for publication. All correspondence should be mailed to The Editor, WER Sri Lanka, Epidemiological Unit, P.O. Box 1567, Colombo or sent by E-mail to chepid@sltnet.lk. **Prior approval should be obtained from the Epidemiology Unit before publishing data in this publication**

ON STATE SERVICE

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