

# 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 II

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

Forty per cent (40%) of children were admitted to a hospital within two days of onset of illness in

					both
Type of Doctors consulted in	1	st Episode	2	2 <sup>nd</sup> Episode	80%
the first Visit	No.	%	No	%	seen
General Practitioner	12	60.0	1	8.3	- days
Consultant Paediatrician	3	15.0	6	50.0	The r
Government hospital	4	20.0	5	41.7	for th
Following delivery (New born in the same hospital)	1	5.0			pital a
Total	20	100.0	12	100.0	is der

80% of patients had been seen by a doctor in first two days of illness. The number of days taken

episodes

although

for the admission to a hospital after seen by a doctor is demonstrated in table 7.

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 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..)

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	1 <sup>st</sup> Episode (m days)	nean -2.8	2 <sup>nd</sup> Episode – 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

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No of days between 1st	1 <sup>st</sup>	Episode	2 <sup>nd</sup> I	Episode
seen by a doctor to ad-	(mean -		(mean	- 1.3
mission	(moan	L days,	days)	1.0
1111551011		0/		0/
	No	%	No	%
D1	5	25.0	6	50.0
D2	2	10.0	1	8.3
32	_	.0.0	•	0.0
D3	4	20.0	1	8.3
DS	4	20.0	1	0.3
5.4	_	05.0	•	05.0
D4	5	25.0	3	25.0
D5	1	5.0	1	8.3
D6	1	5.0		
20	•	0.0		
D7	1	5.0		
D1	1	5.0		
Sent for NICU care after	1	5.0		
delivery				
Total	20	100.0	12	99.9
			-	55.0

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 Fever, cough & loose stools	12 04	60% 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.

## Compiled by,

Dr. Chintha Jayasinghe Consultant Epidemiologist Epidemiology Unit Ministry of Health

Page 2 to be continued ...

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

A         B         A	Dengue Fever Dysentery		Dysentery	ery	Ш v	Encephaliti	ti Ent	Enteric Fever	Food	ji.	Leptos	Leptospirosis	Typhus		Viral Henatitis		Human		Chickenpox	Men	Meningitis	Leishr	Leishmania-	WRCD	
4         8         8         9         4         8         4         8         4         8         4         8         4         8         4         8         4         8         4         8         4         8         4         8         4         8         4         8         4         8         7         13         13         13         13         13         13         13         13         13         13         13         13         13         14         13         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15										D = 1			D > D		Ichaill		ADJES		ı		ı	2 .		i	
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4         4	161         8242         4         89         0         9         1         39         0	4 89 0 9 1 39	89 0 9 1 39	0 9 1 39	9 1 39	1 39	39	0		35	3	200	1	13	0	6	0						2	<b>61</b>	100
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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 b	y Province	Э						Number of cases during current	Number of cases during same	Total number of cases to date in	Total num- ber of cases to date in	Difference between the number of
	W	С	S	N	Е	NW	NC	U	Sab	week in 2018	week in 2017	2018	2017	cases to date in 2018 & 2017
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.

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