



WEEKLY EPIDEMIOLOGICAL REPORT

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

231, de Saram Place, Colombo 01000, Sri Lanka
Tele: + 94 11 2695112, Fax: +94 11 2696583, E mail: epidunit@slt.net.lk
Epidemiologist: +94 11 2681548, E mail: chepid@slt.net.lk
Web: <http://www.epid.gov.lk>

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Long COVID-19 syndrome Part II

This is the last article of Long COVID-19 syndrome

Predictors

The severity of illness^{4,8}, and having pre-existing medical conditions like diabetes, hypertension, asthma, chronic lung conditions^{4,6} and having more symptoms during the acute phase of COVID-19 disease^{4,6} were strongly associated with the long COVID.⁴ Older age, female gender, hospital admission at symptom onset, initial dyspnea, chest pain, and abnormal auscultation findings have shown an increased risk of persistent symptoms.⁶

Long COVID impact on –

Quality of life

As per the available evidence patients who were suffering from long COVID showed a significant reduction in quality of life. In a systematic review, they observed that 37% (95% CI 18% to 60%) of patients reported reduced quality of life⁵. EuroQoL Visual Analog Scale (EQ- VAS) was used to assess the quality of life in COVID-19 patients in several studies. In a study with a six-month follow-up of previously hospitalized patients, an overall EQ-VAS score of 80% was reported revealing persistent reductions in quality of life. Furthermore, a comparison of EQ-VAS scores before acute infection and six months after showed a significant difference in the quality of life (before -87.6%, after -66.4%)⁶.

Mental health

It was found in a study that mental health disorders were common among COVID-19 patients at three months of follow-up. According to it, the prevalence of post-

traumatic stress disorder (PTSD), anxiety and depression were 37.2%, 35.6% and 46.9% respectively (9,7). Inadequate social support, stigmatization and discrimination were some of the reasons causing these mental health issues.⁶

Employment

According to a study, 40 % of the patients diagnosed with COVID-19, who were employed before were not able to return to work within 8 weeks of discharge from the hospital. That was due to persistent health issues and loss of employment. Among those patients who returned to work, around 25% have reduced their working hours or altered their duties for health reasons. Another study revealed approximately 70% (38/56) of previously hospitalized persons due to COVID-19 infection were unable to go back to their usual work three months following hospitalization.⁶

Management

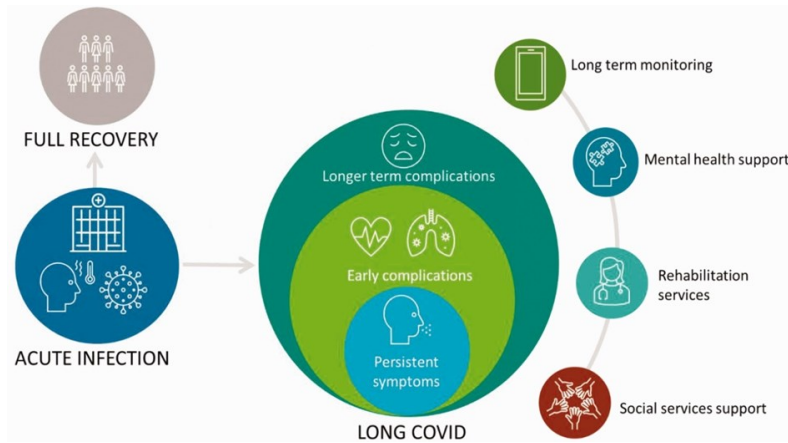
Options available to manage long COVID are currently limited because the underlying mechanisms for long COVID were uncertain. However, some countries have developed guidelines to help clinicians to manage long COVID.

Patients with long COVID may need multidisciplinary care. This comprises long-term monitoring of ongoing symptoms to identify potential complications, physical rehabilitation, mental health support and social services support.

Figure 3 – Clinical course of long COVID

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such as physical distancing, wearing a face mask, frequent hand washing and following respiratory etiquette is essential. Furthermore, getting vaccinated against COVID -19 is the best method to protect one from developing severe COVID-19 disease and progressing to long COVID. It is apparent from the available data, when persons who were vaccinated against COVID-19, developed the disease they had experienced symptoms for less than a period of one month.¹

Physical rehabilitation –

Patients who have experienced a severe form of acute COVID-19 may have treated in intensive care units (ICU). They may develop post-intensive care syndrome which comprises muscle weakness, deconditioning, myopathies and neuropathies. It is recommended to commence relevant rehabilitation while the patient is in ICU at the earliest point in time. Pulmonary rehabilitation will improve patients’ breathing, exercise capacity, muscle strength, quality of life and functional outcome. Early mobilization would help to improve functional, cognitive and respiratory conditions in these patients and may shorten hospital stay. Non-hospitalized patients with long COVID may also require physical rehabilitation. Patients with cardiopulmonary problems may need rehabilitation to engage in activities of daily living.⁶

Management of pre-existing co-morbidities –

Among patients with severe acute COVID-19, pre-existing diseases are a common finding. Thus, managing these conditions is essential to avoid clinical deterioration and also to avoid the need for readmission.⁶

Mental health support –

As a consequence of long COVID, psychological and mental health issues have been reported. Post-traumatic stress disorder, anxiety, depression and suicidal thoughts are among them. Thus, those who need mental health support need to be ensured that mental health services are available and accessible. Furthermore, patients can be screened during their follow-up care and referred for specialized care if required⁶.

Social services support –

As most patients with long COVID experience continuous symptoms over 4-12 weeks, they are unable to return to work. Thus, patients with long COVID may need long-term government financial support. If these long COVID patients have to bear social isolation and stigmatization, they may find it difficult to continue their normal day-to-day routines. Thus, they may get benefit from social services support.⁶

Prevention of long COVID

Prevention of getting infected with COVID-19 is the best method to prevent long COVID. To prevent acquiring COVID-19 infection, adhering to preventive measures

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Compiled By

Dr.Morina Fernando, Medical Officer, Epidemiology Unit

Table 1: Selected notifiable diseases reported by Medical Officers of Health 15th-21st Oct 2022 (42nd Week)

RDHS	Dengue Fever		Dysentery		Encephaliti		Enteric Fever		Food Poi-		Leptospirosis		Typhus		Viral Hepa-		Human		Chickenpox		Meningitis		Leishmania-		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	12	10563	1	5	0	3	0	1	0	7	13	189	0	1	0	5	0	2	4	44	0	11	0	3	16	96
Gampaha	86	7079	1	6	0	1	0	1	0	12	7	221	0	0	0	11	0	4	1	57	0	34	0	33	6	86
Kalutara	44	3366	0	26	0	1	0	2	0	6	17	399	0	4	0	5	0	4	9	88	1	26	0	2	15	52
Kandy	97	4670	0	20	0	1	1	4	0	13	5	157	1	32	0	8	0	0	5	73	0	13	2	37	13	98
Matale	23	1071	0	10	0	0	0	0	0	0	4	96	0	6	0	6	0	1	1	42	0	1	6	296	20	100
NuwareEliya	4	206	2	26	1	1	0	3	0	5	5	86	2	18	0	7	0	0	4	40	0	6	1	1	28	94
Galle	38	3199	1	11	0	1	0	1	0	1	20	431	2	34	0	6	0	0	3	74	1	23	0	0	15	100
Hambantota	12	1438	0	32	0	0	0	0	0	2	6	220	1	49	0	6	0	0	2	39	0	17	4	458	18	99
Matara	16	1525	0	14	0	2	0	1	0	1	8	243	1	13	0	2	0	0	4	50	0	8	3	229	31	100
Jaffna	51	2869	10	107	0	3	2	66	7	69	0	22	14	493	0	8	0	4	2	105	2	15	0	1	67	93
Kilinochchi	2	115	0	8	0	0	0	3	0	24	0	11	0	12	0	0	0	0	0	4	0	5	0	2	24	98
Mannar	5	195	2	5	0	0	0	1	0	0	0	27	1	6	0	2	0	0	0	6	1	17	0	0	17	80
Vavuniya	1	82	0	4	0	1	0	2	0	2	0	18	0	1	0	0	0	0	1	30	0	0	0	4	2	98
Mullaitivu	0	62	0	5	0	0	0	2	0	6	0	26	0	6	0	0	0	0	0	10	0	2	0	2	21	94
Batticaloa	15	1101	4	78	0	9	0	0	0	21	0	41	0	0	0	1	0	1	1	33	0	31	0	2	40	98
Ampara	2	160	0	13	0	2	0	0	0	17	0	96	0	1	0	1	0	0	1	50	0	38	0	13	10	100
Trincomalee	5	1080	0	25	0	0	0	1	0	2	1	29	0	3	0	4	0	0	0	41	0	8	0	1	14	99
Kurunegala	25	2394	1	23	0	2	0	0	0	4	7	145	1	32	1	3	0	3	7	96	1	42	16	420	10	100
Puttalam	33	1902	0	5	0	1	0	1	0	0	1	32	0	8	0	1	0	0	0	21	0	28	0	5	16	90
Anuradhapur	2	413	0	12	0	2	0	1	0	7	0	160	1	26	1	3	0	1	1	66	1	48	12	337	9	96
Polonnaruwa	0	137	0	6	0	1	0	0	0	2	1	107	0	1	0	5	0	0	0	20	0	5	6	441	16	96
Badulla	27	977	0	24	0	3	0	1	0	14	6	241	4	60	3	135	0	0	2	61	4	19	1	27	20	100
Monaragala	10	453	0	10	0	2	0	4	0	22	1	253	1	32	2	58	0	0	3	62	1	56	6	145	13	100
Ratnapura	19	2622	1	44	0	6	0	3	1	34	16	897	0	22	0	26	0	1	1	69	0	60	5	186	14	93
Kegalle	28	2631	0	15	0	8	0	1	0	8	7	483	0	19	0	9	0	0	2	99	0	46	0	21	10	98
Kalmune	27	1074	0	31	0	1	0	3	0	6	1	27	0	1	0	1	0	0	1	58	0	35	0	0	31	100
SRI LANKA	70	51384	23	565	1	51	3	102	8	285	12	4657	29	880	7	313	0	21	55	1338	12	594	62	2666	19	96

Source: Weekly Returns of Communicable Diseases (esurveillance.epid.gov.lk). T=Timeliness refers to returns received on or before 21st Oct, 2022 Total number of reporting units 367 Number of reporting units data provided for the current week 280 C**=Completeness

Table 2: Vaccine-Preventable Diseases & AFP

15th– 21st Oct 2022 (42nd Week)

Disease	No. of Cases by Province									Number of cases during current week in 2022	Number of cases during same week in 2021	Total number of cases to date in 2022	Total number of cases to date in 2021	Difference between the number of cases to date in 2022 & 2021
	W	C	S	N	E	NW	NC	U	Sab					
AFP*	01	00	00	00	00	01	00	00	00	02	00	67	51	31.3 %
Diphtheria	00	00	00	00	00	00	00	00	00	00	00	00	00	0 %
Mumps	00	00	00	00	00	00	01	00	00	01	01	74	63	17.4 %
Measles	00	00	00	00	00	00	00	00	00	00	00	19	11	72.7 %
Rubella	00	00	00	00	00	00	00	00	00	00	00	00	00	0 %
CRS**	00	00	00	00	00	00	00	00	00	00	00	00	00	0 %
Tetanus	00	00	00	00	00	00	00	00	00	00	01	05	03	66.6 %
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	00	01	04	- 75 %
Whooping Cough	00	00	00	00	00	00	00	00	00	00	00	01	00	0 %
Tuberculosis	00	06	03	02	02	05	35	00	00	53	107	5367	4151	29.2 %

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

Number of Malaria Cases Up to End of October 2022,

02

All are Imported!!!

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

Dr. Samitha Ginige
 Actg. CHIEF EPIDEMIOLOGIST
 EPIDEMIOLOGY UNIT
 231, DE SARAM PLACE
 COLOMBO 10