



**REPUBLIC OF LEBANON**  
**MINISTRY OF PUBLIC HEALTH**

## **Hemodialysis Patients with COVID-19 in Lebanon (Fifth Report)**

**Date: 12th October 2020**

**Prepared by: The National Committee for Kidney Health**

(Dr Mabel Aoun, Dr Hussein Karnib, Dr Sahar Koubar, Dr Jihad Makkouk, Mr Ali Roumani)

### **Background**

Lebanon has ~4100 patients on chronic hemodialysis, distributed as follows:

- Beirut: ~762 patients
- Mount Lebanon: ~1562 patients
- North: ~860 patients
- South: ~616 patients
- Beqaa: ~402 patients

### **Cases of SARS-CoV-2 in Lebanese hemodialysis units**

Up to October 12, 2020, 41 out of 80 hemodialysis units experienced cases of COVID-19 among their dialysis patients.

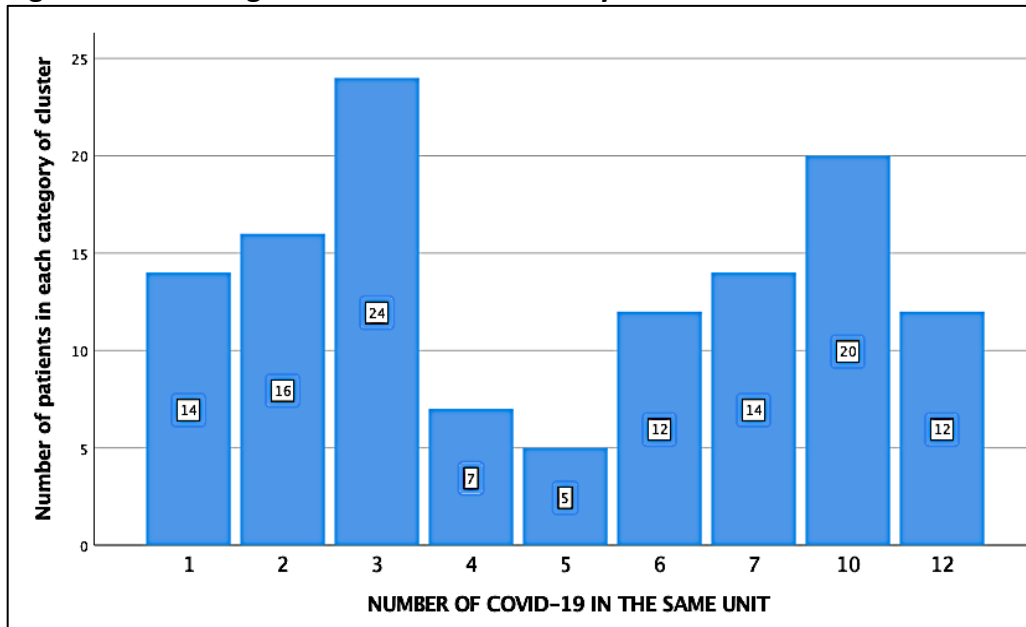
A total of 124 dialysis patients were diagnosed with SARS-CoV-2 infection across Lebanon and distributed as follows: 39 cases in Mount-Lebanon, 54 cases in the North, 19 cases in Beirut, 5 cases in Beqaa and 7 cases in the South.

### **Characteristics of these patients:**

- Mean age: 62.73 ± 13.55 years
- 56.5% were males and 43.5% females
- 54% were diabetics

88.5% of these cases occurred in clusters of 2 to 12 patients in a single dialysis unit (Figure 1).

**Figure 1. Clustering of COVID-19 cases in dialysis units**



91% were symptomatic and the majority had respiratory symptoms and fever.

**Admission to a COVID unit**

Fifty-six patients or 45% of the total number of infected patients were admitted to a COVID unit. Rafic Hariri University Hospital, Dar el Amal Hospital, Dar El Shifa Hospital, Tripoli Governmental Hospital and Saydet Zgharta received the highest number of patients.

**Outcome of patients**

Nineteen out of the 124 patients died: 11 males and 8 females (Table 1).

**Table 1. Case Fatality Rate (CFR) per category of age**

Age category	Total number of patients	Number of deaths	Case Fatality Rate (deaths among cases)
18 to 29	3	0	0%
30 to 39	4	0	0%
40 to 49	9	1	11.1%
50 to 59	26	0	0%
60 to 69	36	6	16.6%
70 to 79	36	7	19.4%
Above 80	10	5	50%
<b>Total</b>	<b>124</b>	<b>19</b>	<b>15.3%</b>