



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

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

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### **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 September 28, 2020, 33 out of 80 hemodialysis units experienced cases of COVID-19 among their dialysis patients.

A total of 90 dialysis patients were diagnosed with SARS-CoV-2 infection across Lebanon and distributed as follows: 27 cases in Mount-Lebanon, 39 cases in the North, 18 cases in Beirut, 3 cases in Beqaa and 3 cases in the South.

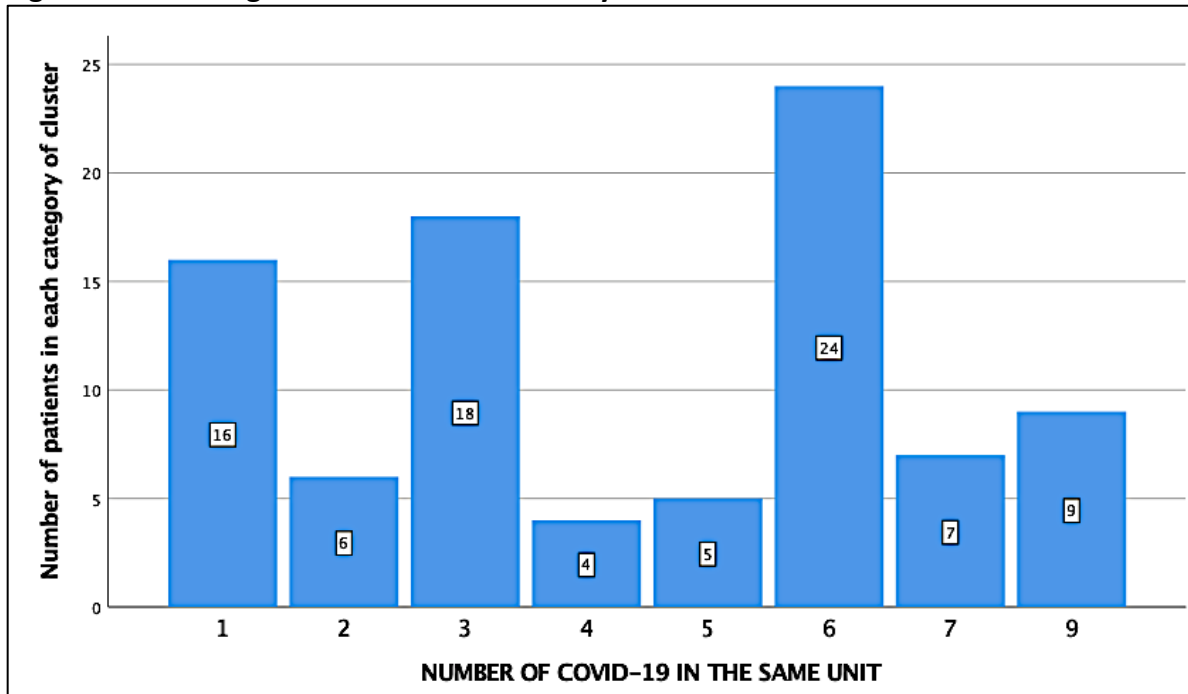
89 were on chronic hemodialysis and one patient was shifted from peritoneal dialysis to hemodialysis.

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

- Mean age: 62.34 ± 13.38 years
- 54.4% were males and 45.6% females
- 55.6% were diabetics

82% of these cases occurred in clusters of two to nine 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.

**Admission to a COVID unit**

Forty-four patients or 49% 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 and Tripoli Governmental Hospital received the highest number of patients.

**Outcome of patients**

Thirteen out of the 90 patients died (Table 1).

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

Age category	Total number of patients	Case Fatality Rate (deaths among cases)
20 to 29	2	0%
30 to 39	2	0%
40 to 49	8	12.5%
50 to 59	23	0%
60 to 69	24	16.6%
70 to 79	25	16.0%
Above 80	6	66.7%
<b>Total</b>	<b>90</b>	<b>14.4%</b>