



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

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

**Date: 1st February 2021**

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

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### **Background**

Lebanon has ~4270 patients on chronic hemodialysis, distributed as follows:

- Beirut: ~760 patients
- Mount Lebanon: ~1530 patients
- North: ~960 patients
- South: ~610 patients
- Beqaa: ~410 patients

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

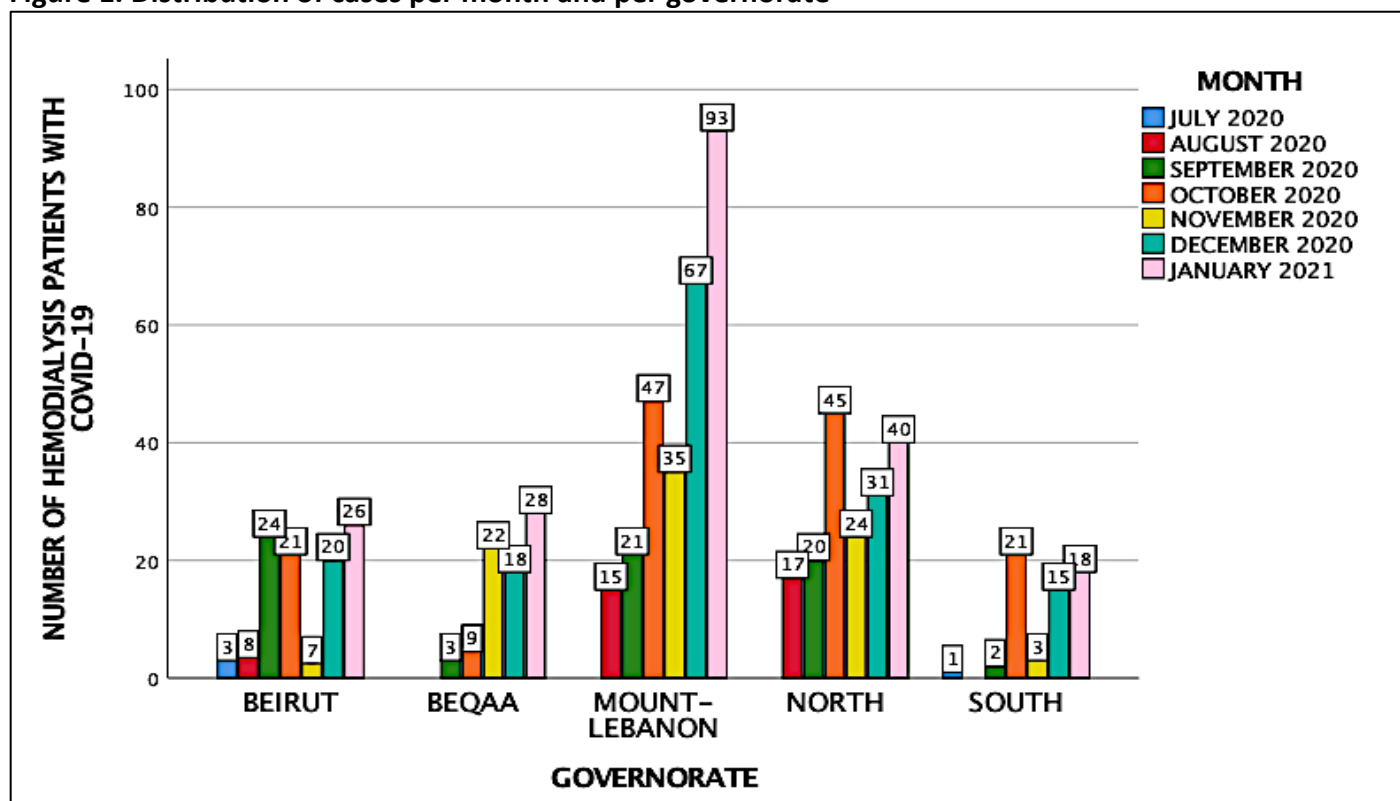
Up to February 1, 2021, 66 out of 80 hemodialysis units experienced cases of COVID-19 among their dialysis patients.

A total of 704 dialysis patients (~16.5% of hemodialysis population) were reported with SARS-CoV-2 infection across Lebanon and distributed as follows: 278 cases in Mount-Lebanon, 177 cases in the North, 109 cases in Beirut, 80 cases in Beqaa and 60 cases in the South (Figure 1).

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

- Mean age: 62.56 ± 14.67 years
- 59.2% were males and 40.8% females
- 45% were diabetics

Figure 1. Distribution of cases per month and per governorate



93% were symptomatic and the majority had respiratory symptoms.

#### Admission to a COVID unit

A total of 301 patients (42.8%) were admitted to a COVID unit in 51 hospitals. Hariri, Tripoli Gov, Youssef Akkar, and Dar El Amal Hospitals received the highest number of patients.

#### Outcome of patients

132 out of the 704 patients died (Table 1) with age being significantly associated with death (OR=1.046; CI, 1.029-1.062;  $p < 0.001$ ). 35.2% of those admitted to hospital died versus 6.5% of those who were not admitted. Among patients who died, there were 88 males and 44 females (OR for males=1.48; CI, 0.992-2.199;  $p = 0.055$ ). Highest mortality rate was during October 2020.

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

Age category	Total number of patients	Number of deaths	Case Fatality Rate
18 to 29	25	0	0.00%
30 to 59	227	22	9.69%
60 to 69	197	39	19.79%
70 to 79	181	48	26.52%
Above 80	74	23	31.08%
<b>Total</b>	<b>704</b>	<b>132</b>	<b>18.75%</b>