

# Evolution of Covid outbreak

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## 1. Introduction

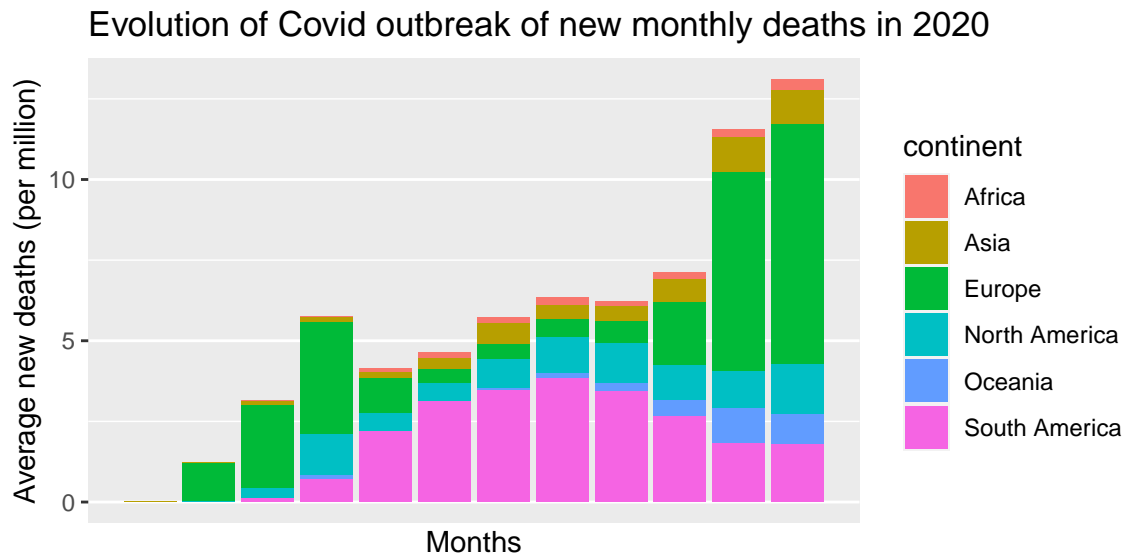
This report looks at descriptive statistics to understand the evolution of Covid-19 in 2020. First, the impact of Covid on Africa countries is investigated, then the countries with a high prevalence of smoking and then how quickly different regions increased hospital facilities as Covid-19 continued throughout the 2020 year.

## Data

The data that is used is from Our World in Data and was subsetting to our period of interest which is 2020.

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1.1. Investigating the misconception of the experience of African countries with Covid compared with other regions.

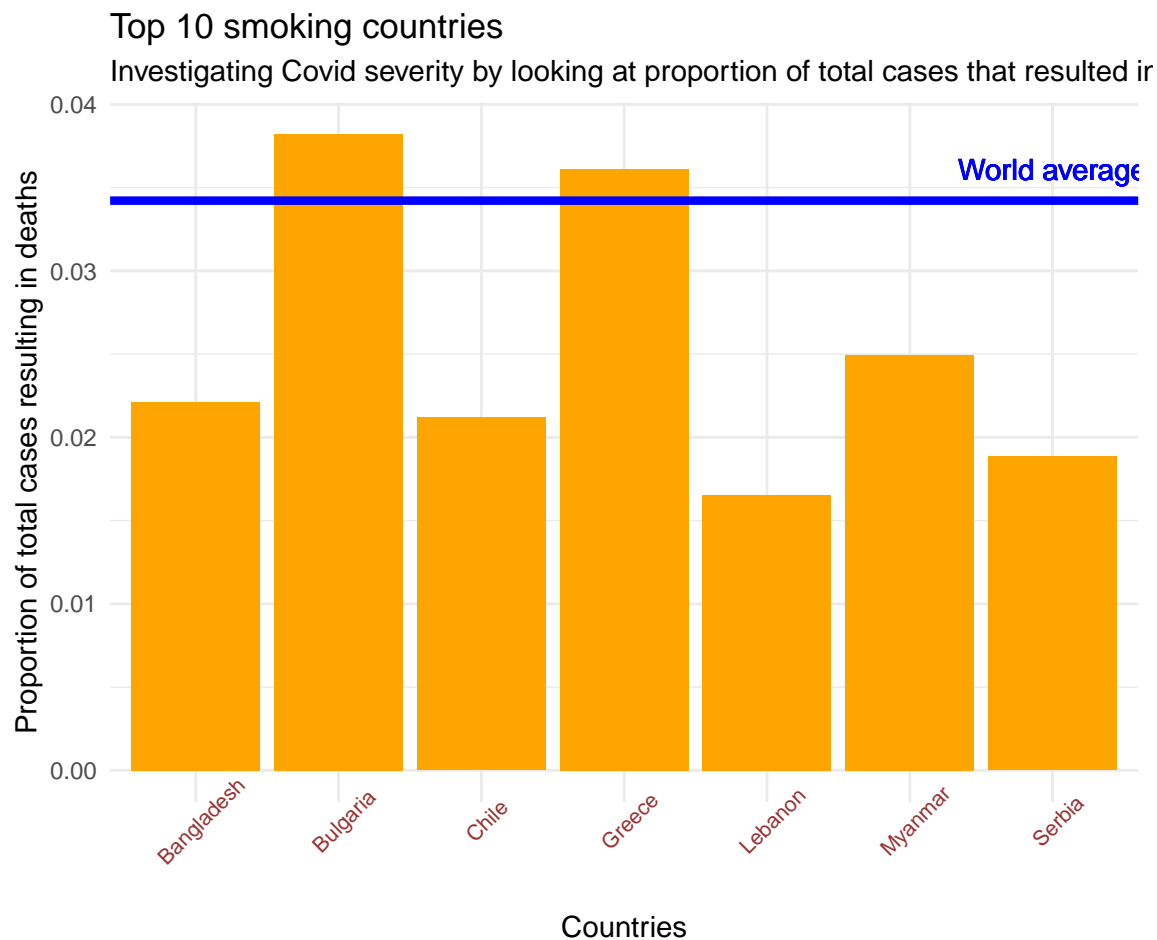


1.2. Countries with high prevalence of smoking & severity of Covid

According to World Population Review, the countries that have the highest prevalence of smoking are:

Nauru (52.10%) Kiribati (52.00%) Tuvalu (48.70%) Myanmar (45.50%) Chile (44.70%) Lebanon (42.60%) Serbia (40.60%) Bangladesh (39.10%) Greece (39.10%) Bulgaria (38.90%)

Compare these countries with highest prevalence of smoking to the world average of new deaths in 2020 from Covid.



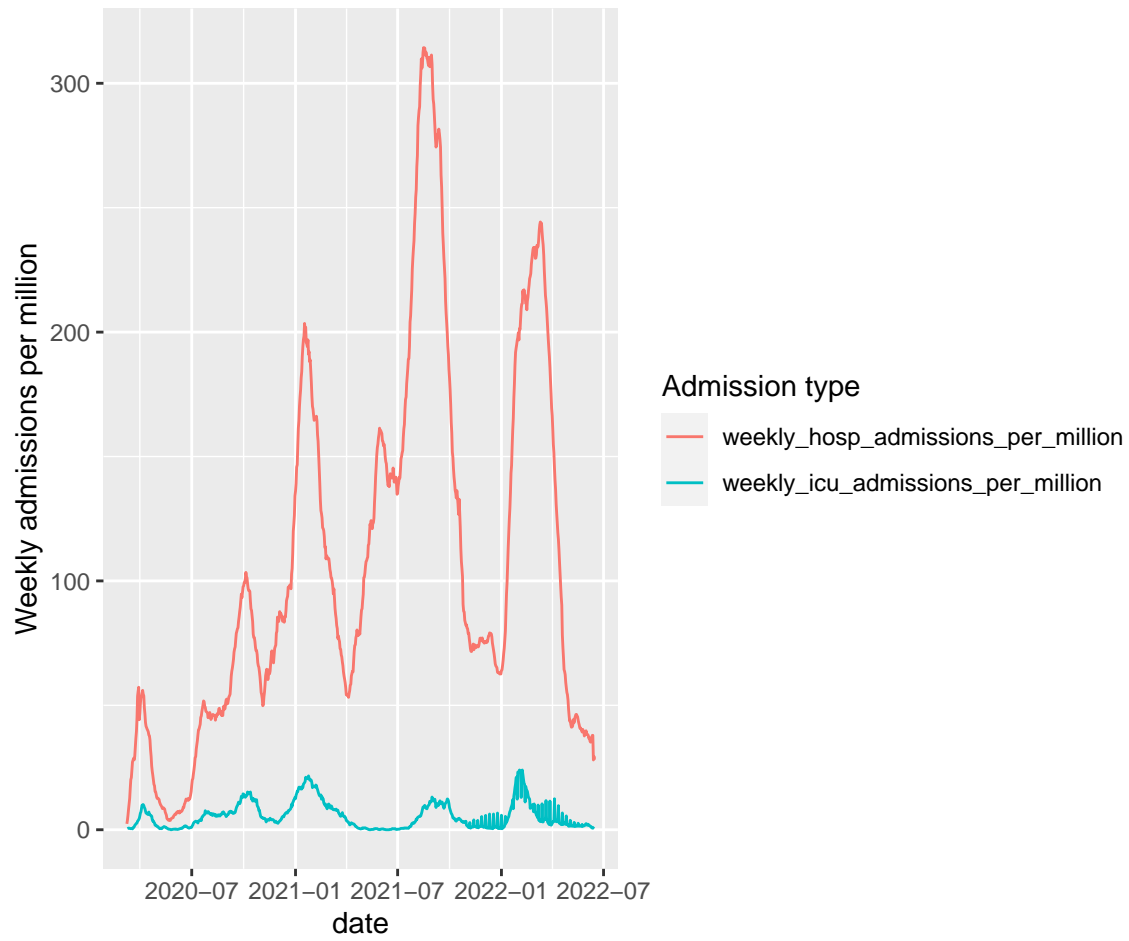
### 1.3. How quickly did different regions increase hospitalisation facilities?

Did that time series of hospital beds lead or lag on ICU admission rates? By removing the na values, we subset the data to begin at March 8th.

According to the figures, we can see that generally the rates of hospitalisations were similar to rates of ICU admission, and occasionally led on ICU admission. Oceania was excluded because not enough data, and other regions are missing one of the values due to data constraints.

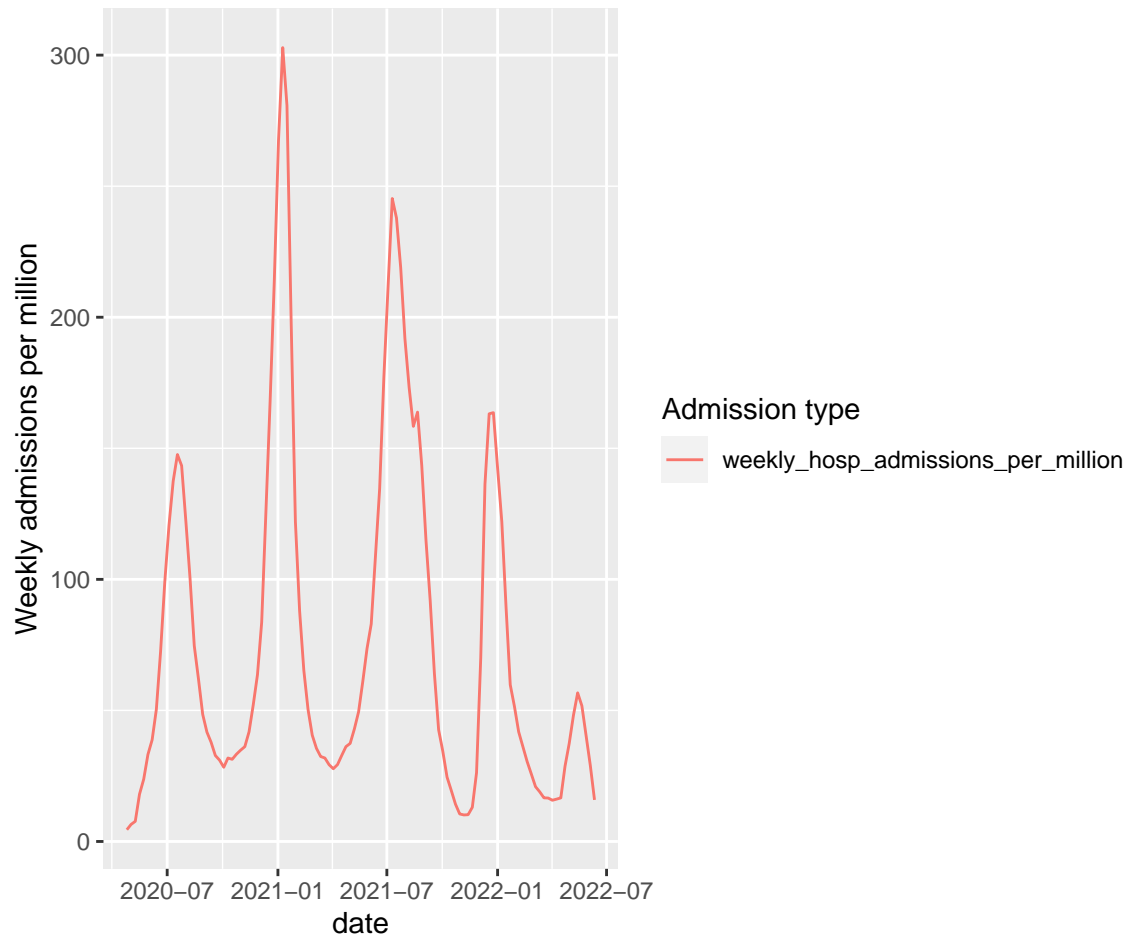
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#### 1.4. Asia



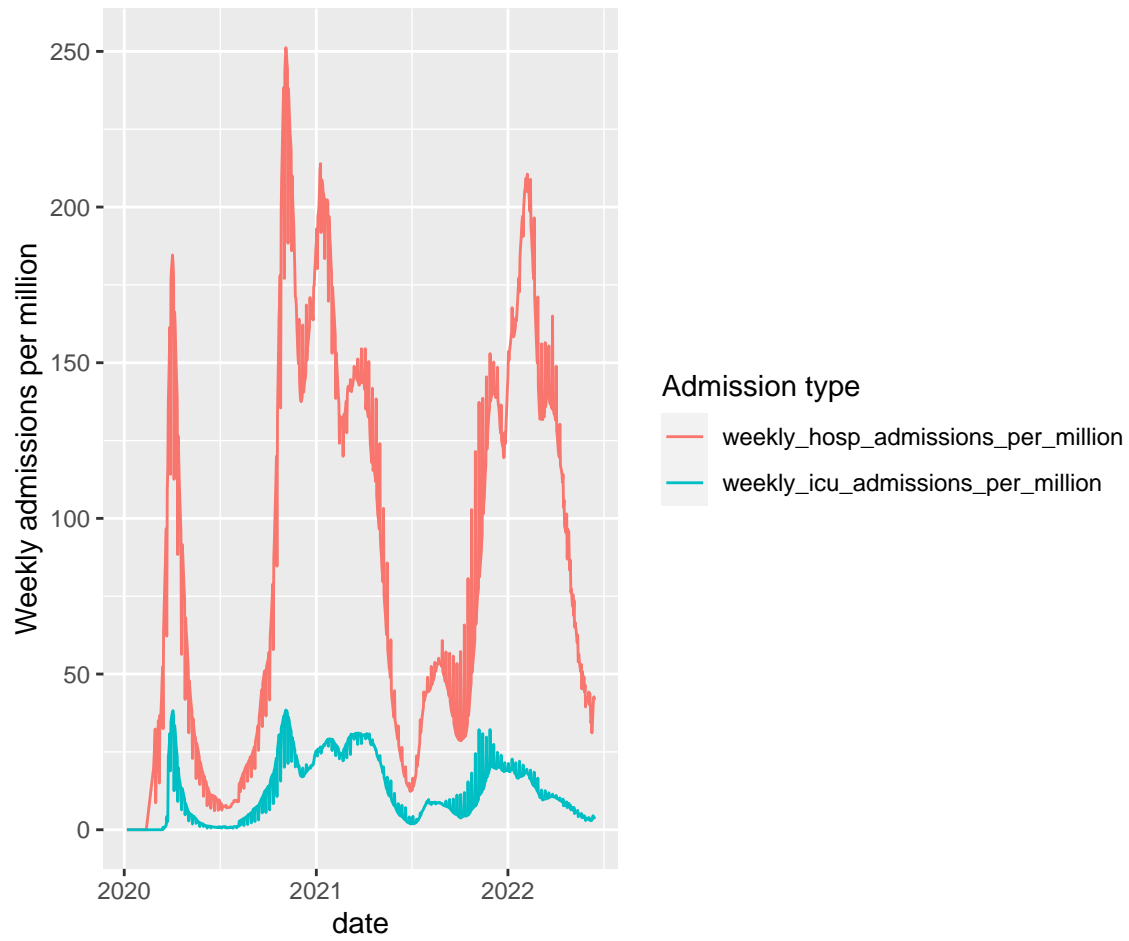
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### 1.5. Africa



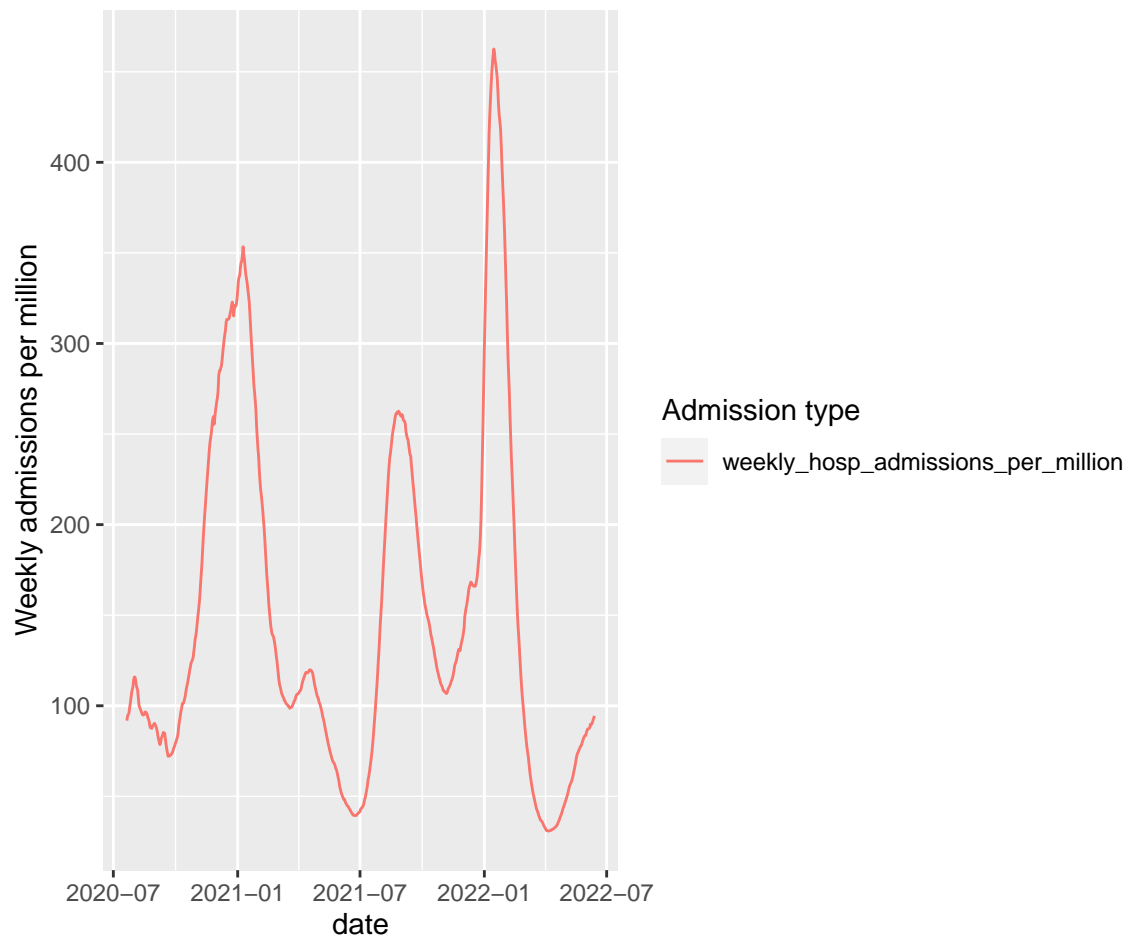
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### 1.6. Europe



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### 1.7. North America



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### 1.8. South America

