Predictors of COVID-19 Deaths in Rwanda

Muhammed Semakula

2022-07-07

## Rows: 274734 Columns: 15  
## -- Column specification --------------------------------------------------------  
## Delimiter: ","  
## chr (14): Event date, Testing site, Case Unique ID, First Name, Last name, S...  
## dbl (1): National ID  
##   
## i Use `spec()` to retrieve the full column specification for this data.  
## i Specify the column types or set `show\_col\_types = FALSE` to quiet this message.

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

## Introduction

## Methods

## Results

| Characteristics | n | % |
| --- | --- | --- |
| COVID-19 Deaths |  |  |
| ————————————— | ———- | —— |
| Alive | 876 | 41.6 |
| Died | 1,228 | 58.4 |
| Total | 2,1047 | 100 |
| ————————————— | ———- | —— |
| Gender |  |  |
| ————————————— | ———- | —— |
| Female | 1,107 | 52.6 |
| Males | 997 | 47.4 |
| Total | 2,104 | 100 |
| ————————————— | ———- | —— |
| Age group |  |  |
| ————————————— | ———- | —— |
| <20 Years | 50 | 2.4 |
| 20-30 Years | 142 | 6.7 |
| 30-40 Years | 279 | 13.3 |
| 40-50 Years | 261 | 12.4 |
| 50-60 Years | 267 | 12.7 |
| 60-70 Years | 383 | 18.2 |
| 70-80 Years | 346 | 16.4 |
| 80+ Years | 376 | 17.9 |
| Total | 2,104 | 100 |
| ————————————— | ———- | —— |
| Treatment |  |  |
| ————————————— | ———- | —— |
| No medecine | 116 | 5.5 |
| FVP/IVM/O2/ABT | 1,904 | 90.5 |
| MAB/Cocktail | 84 | 4 |
| Total | 2,104 | 100 |
| ————————————— | ———- | —— |
| Vaccination |  |  |
| ————————————— | ———- | —— |
| Not vaccineted | 1,892 | 89.9 |
| Vaccineted | 212 | 10.1 |
| Total | 2,104 | 100 |
| Type of Vaccine |  |  |
| AstraZeneca & Moderna | 5 | 0.2 |
| Pfizer & Moderna | 72 | 3.4 |
| AstraZeneca, Pfizer & Moderna | 1 | 0 |
| Moderna | 1 | 0 |
| AstraZeneca | 76 | 3.6 |
| Pfizer | 82 | 3.9 |
| Johnson & Johnson | 3 | 0.1 |
| Sputnik | 1 | 0 |
| Sinopharm | 4 | 0.2 |
| AstraZeneca & Pfizer | 1 | 0 |
| Not information | 1,858 | 88.3 |
| Total | 2,104 | 100 |
| ————————————— | ———- | —— |
| Doses |  |  |
| ————————————— | ———- | —— |
| No dose | 1,858 | 88.3 |
| First dose | 156 | 7.4 |
| Second dose | 79 | 3.8 |
| Buster dose | 11 | 0.5 |
| Total | 2,104 | 100 |
| ————————————— | ———- | —— |
| Cormobidities |  |  |
| ————————————— | ———- | —— |
| No Comorbity | 1,168 | 55.5 |
| One comorbity | 424 | 20.2 |
| Pregnant women | 90 | 4.3 |
| Asthma | 29 | 1.4 |
| HIV Positive | 48 | 2.3 |
| Diabetes | 82 | 3.9 |
| Two comorbities | 53 | 2.5 |
| Three and More comorbidities | 210 | 10 |
| Total | 2,104 | 100 |
| ————————————— | ———- | —— |
| Length of stay in treatment centers |  |  |
| ————————————— | ———- | —— |
| 0-14 Days | 836 | 39.7 |
| 15-29 Days | 327 | 15.5 |
| 30 Days + | 941 | 44.7 |
| Total | 2,104 | 100 |
| ———————————————————- |  |  |

### Data exploration