Major Assignment

# Data Source

## Original Source

* [The MicrobeScope](https://informationisbeautiful.net/visualizations/the-microbescope-infectious-diseases-in-context/)
* [MicrobeScope 2018 - public datasheet](https://docs.google.com/spreadsheets/d/1F9IMIeXHsfuQLN1HtgPvfHe2BjbWu0r0_Qt_BHOWjLs/edit#gid=0)
* [Own Duplicate](https://docs.google.com/spreadsheets/d/1OAsltROvsmLlx_ZUizZikgF5P9OqQzk2pQBpHm0o_M0/edit?usp=sharing)

## Data Preparation

### Covid-19 Data

The missing data fields for COVID-19 were taken from the following reports from the WHO.

* [Situation report – 163 Coronavirus disease 2019 (COVID-19) 1 July 2020](https://www.who.int/docs/default-source/coronaviruse/situation-reports/20200701-covid-19-sitrep-163.pdf?sfvrsn=c202f05b_2)
* [Weekly epidemiological update on COVID-19 - 6 July 2021](https://www.who.int/publications/m/item/weekly-epidemiological-update-on-covid-19---6-july-2021)

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Cases\*** | **Deaths\*** | **Ratio** |
| 1 July 2020 | 10,357,662 | 508,055 | 0.05 |
| 4 July 2021 | 183,198,019 | 3,971,687 | 0.02 |
|  | **172,840,357** | **3,463,632** | **0.02** |
| \* cumulative - globally | |  |  |

### Pneumonia Incidence

Interpolated as: [@[Fatal\_raw]]/[@[CFR\_adult]]

### Remove Duplicates

Duplicates have been removing by keeping only the (all) sub-label or combining counts as appropriate.

### Remove Nulls

Rows where the following columns had no values where removed:

* Incidence\_raw
* Fatal\_raw
* R0