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# Coronavirus (COVID-19) Deaths

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🔗 The data on the coronavirus pandemic is updated daily. Last update: 15 minutes ago. © Reuse our work freely 📄 Cite this research

Coronavirus > By country Data explorer Deaths Cases Tests Hospitalizations Vaccinations Mortality risk Excess mortality Policy responses

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This dataset is downloaded from [Coronavirus \(COVID-19\) Deaths - Our World in Data](https://ourworldindata.org/covid-deaths).

|    | A        | B         | C           | D          | E          | F          | G         | H                  | I          | J        | K        | L                       | M         | N         | O       |
|----|----------|-----------|-------------|------------|------------|------------|-----------|--------------------|------------|----------|----------|-------------------------|-----------|-----------|---------|
| 1  | iso_code | continent | location    | population | date       | total_case | new_cases | new_cases_smoothed | total_deat | new_deat | new_deat | total_cases_per_million | new_cases | new_cases | total_c |
| 2  | AFG      | Asia      | Afghanistan | 41128772   | 24-02-2020 | 5          | 5         |                    |            |          |          | 0.122                   | 0.122     |           |         |
| 3  | AFG      | Asia      | Afghanistan | 41128772   | 25-02-2020 | 5          | 0         |                    |            |          |          | 0.122                   | 0         |           |         |
| 4  | AFG      | Asia      | Afghanistan | 41128772   | 26-02-2020 | 5          | 0         |                    |            |          |          | 0.122                   | 0         |           |         |
| 5  | AFG      | Asia      | Afghanistan | 41128772   | 27-02-2020 | 5          | 0         |                    |            |          |          | 0.122                   | 0         |           |         |
| 6  | AFG      | Asia      | Afghanistan | 41128772   | 28-02-2020 | 5          | 0         |                    |            |          |          | 0.122                   | 0         |           |         |
| 7  | AFG      | Asia      | Afghanistan | 41128772   | 29-02-2020 | 5          | 0         | 0.714              |            |          |          | 0.122                   | 0         | 0.017     |         |
| 8  | AFG      | Asia      | Afghanistan | 41128772   | 01-03-2020 | 5          | 0         | 0.714              |            |          |          | 0.122                   | 0         | 0.017     |         |
| 9  | AFG      | Asia      | Afghanistan | 41128772   | 02-03-2020 | 5          | 0         | 0                  |            |          |          | 0.122                   | 0         | 0         |         |
| 10 | AFG      | Asia      | Afghanistan | 41128772   | 03-03-2020 | 5          | 0         | 0                  |            |          |          | 0.122                   | 0         | 0         |         |
| 11 | AFG      | Asia      | Afghanistan | 41128772   | 04-03-2020 | 5          | 0         | 0                  |            |          |          | 0.122                   | 0         | 0         |         |
| 12 | AFG      | Asia      | Afghanistan | 41128772   | 05-03-2020 | 5          | 0         | 0                  |            |          |          | 0.122                   | 0         | 0         |         |
| 13 | AFG      | Asia      | Afghanistan | 41128772   | 06-03-2020 | 5          | 0         | 0                  |            |          |          | 0.122                   | 0         | 0         |         |
| 14 | AFG      | Asia      | Afghanistan | 41128772   | 07-03-2020 | 8          | 3         | 0.429              |            |          |          | 0.195                   | 0.073     | 0.01      |         |
| 15 | AFG      | Asia      | Afghanistan | 41128772   | 08-03-2020 | 8          | 0         | 0.429              |            |          |          | 0.195                   | 0         | 0.01      |         |
| 16 | AFG      | Asia      | Afghanistan | 41128772   | 09-03-2020 | 8          | 0         | 0.429              |            |          |          | 0.195                   | 0         | 0.01      |         |
| 17 | AFG      | Asia      | Afghanistan | 41128772   | 10-03-2020 | 8          | 0         | 0.429              |            |          |          | 0.195                   | 0         | 0.01      |         |
| 18 | AFG      | Asia      | Afghanistan | 41128772   | 11-03-2020 | 11         | 3         | 0.857              |            |          |          | 0.267                   | 0.073     | 0.021     |         |
| 19 | AFG      | Asia      | Afghanistan | 41128772   | 12-03-2020 | 11         | 0         | 0.857              |            |          |          | 0.267                   | 0         | 0.021     |         |
| 20 | AFG      | Asia      | Afghanistan | 41128772   | 13-03-2020 | 11         | 0         | 0.857              |            |          |          | 0.267                   | 0         | 0.021     |         |
| 21 | AFG      | Asia      | Afghanistan | 41128772   | 14-03-2020 | 14         | 3         | 0.857              |            |          |          | 0.34                    | 0.073     | 0.021     |         |
| 22 | AFG      | Asia      | Afghanistan | 41128772   | 15-03-2020 | 20         | 6         | 1.714              |            |          |          | 0.486                   | 0.146     | 0.042     |         |
| 23 | AFG      | Asia      | Afghanistan | 41128772   | 16-03-2020 | 25         | 5         | 2.429              |            |          |          | 0.608                   | 0.122     | 0.059     |         |
| 24 | AFG      | Asia      | Afghanistan | 41128772   | 17-03-2020 | 26         | 1         | 2.571              |            |          |          | 0.632                   | 0.024     | 0.063     |         |
| 25 | AFG      | Asia      | Afghanistan | 41128772   | 18-03-2020 | 26         | 0         | 2.143              |            |          |          | 0.632                   | 0         | 0.053     |         |

This data set contains date-wise information about the country about new cases, total cases, new deaths, total deaths, etc.

It also has information about people who are old age, diabetic, hospitalized, currently in ICU, etc. This is very good quality data containing no outliers and updates daily. This data has so much of a story to tell. But the key challenge is to make this data consolidated.

## Steps for data cleaning:

1. Separate tables are created containing data about new cases added, deaths, and vaccination details.
2. Since many rows contains null value as many countries does not have a single death in initial phases, data have a null value. It is difficult to process null values for tableau. So, all the null values are changed to zero. The same is also done for the vaccination table.

3. This data also includes information about the continent as a whole. So I separated the country data in one table and continent data in another table for better analysis.