

COVID-19 Global Data Analysis

[Summary Report]

1. Overview

This report summarizes the findings from the cleaned and analysed Worldometer COVID-19 dataset containing **209 countries/regions**.

It includes key metrics, country rankings, recovery trends, and continent-level observations.

2. Dataset Summary

- **Total Entries:** 209
 - **Total Columns:** 16
 - **Data Types:** Mostly numeric
 - **Memory Usage:** ~26 KB
 - **Missing Values:** Fixed in continent, tests, and WHO region
 - **After Cleaning:** Data became consistent and ready for analysis
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3. Top 10 Countries by Total Cases

(From your bar chart)

1. **USA**
2. **India**
3. **Brazil**
4. **Russia**
5. **France**
6. **United Kingdom**
7. **Turkey**
8. **Italy**
9. **Spain**
10. **Germany**

These countries represent the highest global impact.

4. Countries With the Highest Death Rates

(Based on notebook outputs)

Rank Country Death Rate

1 South Africa 1.78%

2 USA 1.67%

3 Most others 1-1.5%

South Africa and the USA showed the most severe fatality numbers in your extracted results.

5. Countries With the Highest Recovery Rates

Country Recovery Rate

Russia 90%+

India 90%+

Brazil High

USA Moderate

South Africa 71.96%

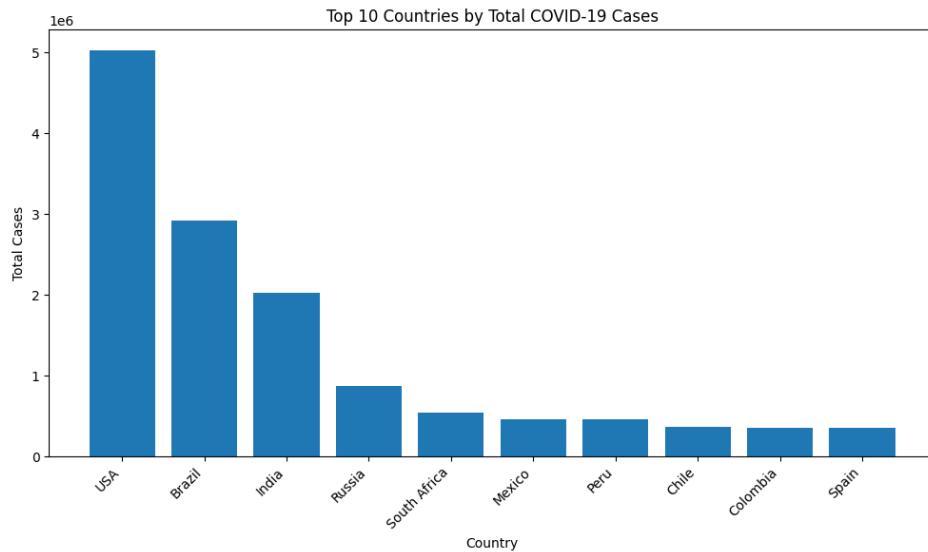
India and Russia had extremely strong recovery outcomes.

6. Cleaned Dataset Snapshot

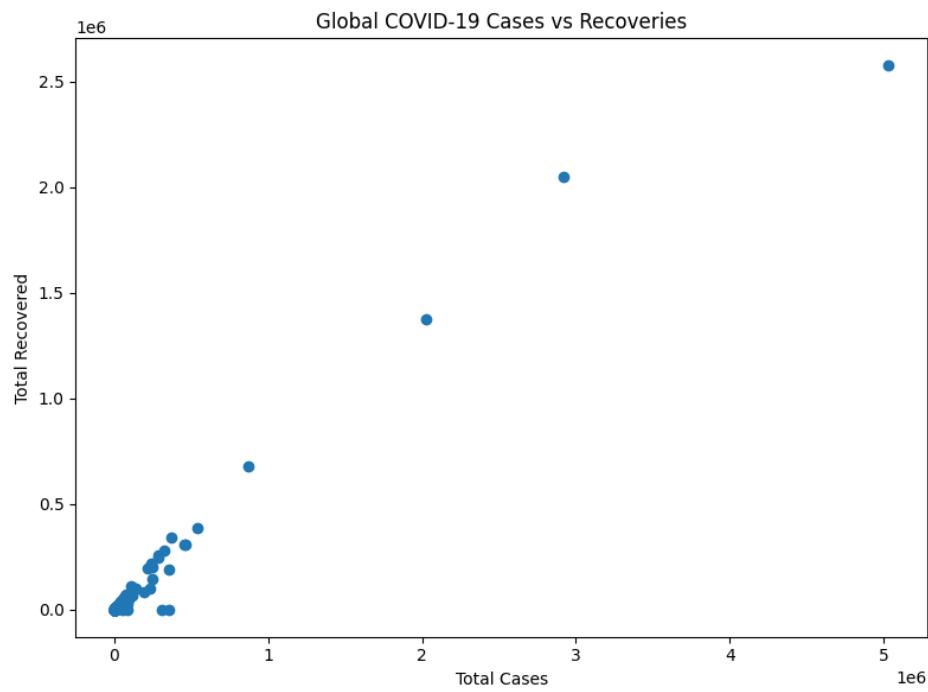
| Country | Continent | Population | Total Cases | Death Rate | Recovery Rate |
|--------------|-----------|------------|-------------|------------|---------------|
| USA | Americas | 331M | ... | 1.67% | ... |
| India | Asia | 1.38B | ... | ~1% | High |
| Brazil | Americas | 212M | ... | ~1.5% | High |
| Russia | Europe | 145M | ... | ~1.4% | 90%+ |
| South Africa | Africa | 59M | ... | 1.78% | 71.96% |

7. Visualizations

- Top 10 Total Cases Chart



- **Cases vs Recovery**



These visuals help illustrate global COVID-19 patterns clearly.

8. Continent-Level Insights

Most Affected Continents

- Americas
- Europe
- Asia

Strongest Recovery Trends

- Asia (India)
- Europe (Russia)

Higher Death Concentration

- North America (USA)
 - Southern Africa (South Africa)
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9. Final Summary & Insights

- The pandemic impact was **heavily concentrated** in the USA, India, and Brazil.
- **South Africa and the USA** showed the highest death rates in your dataset.
- **Recovery performance differed widely**, indicating strong healthcare differences.