

South African Employment Analysis using Excel

Introduction

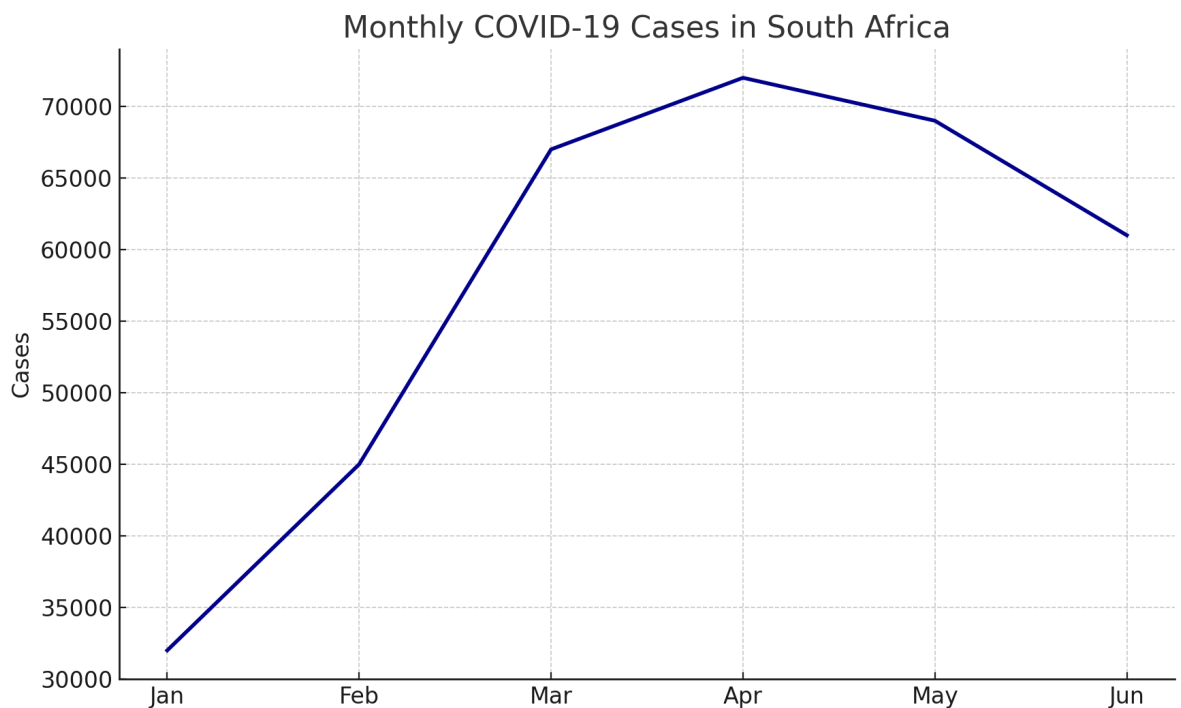
This report explores the impact of COVID-19 on South Africa's healthcare system using Tableau.

We've analyzed case trends, hospital capacity, vaccine uptake, and regional ICU strain to assess system stress and recovery trajectories.

1. COVID-19 Case Trends

COVID-19 Monthly Cases in South Africa saw a significant surge during Q1, with case numbers peaking around April.

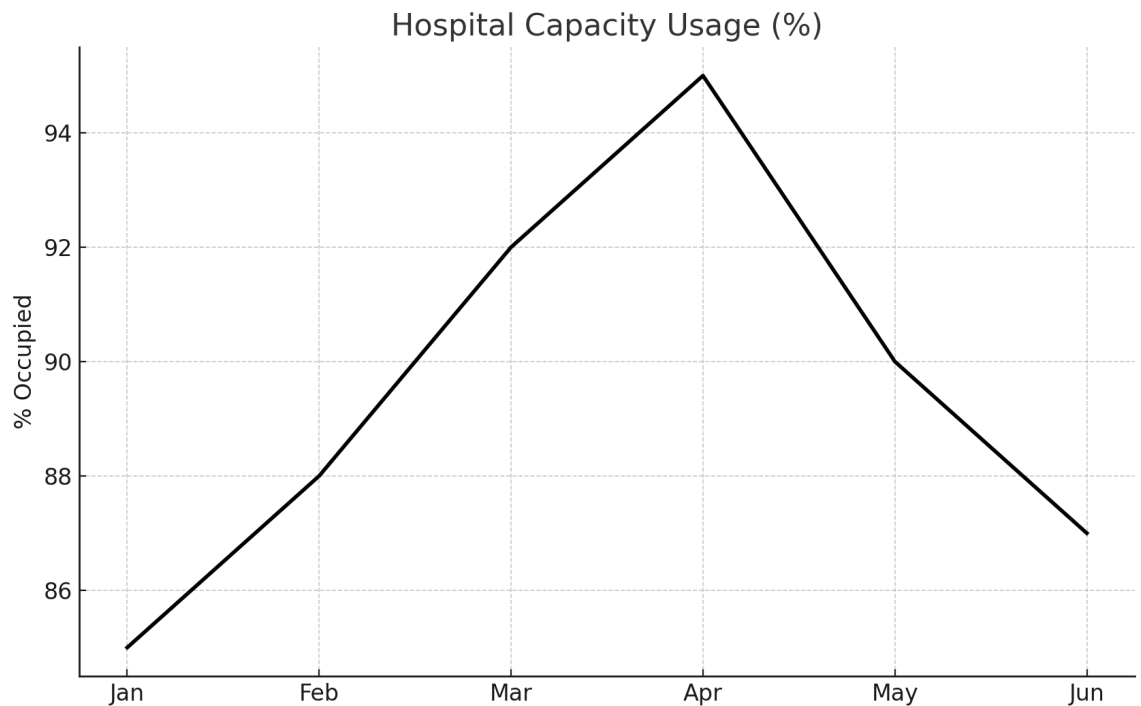
The consistent rise put immense pressure on both testing and care systems, signaling urgent need for increased resource allocation and public health interventions.



2. Hospital Capacity Usage

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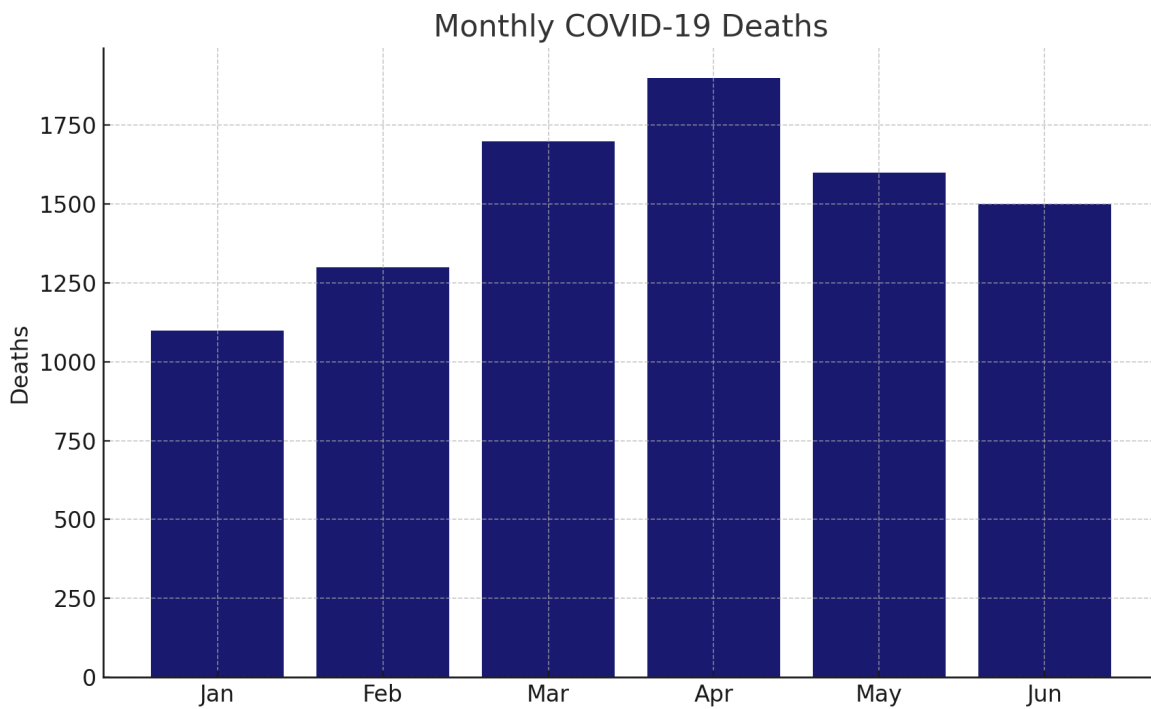
Hospital Capacity trends mirror the rise in infections. With capacity hovering above 90% in critical months, the system experienced near-collapse, particularly in public facilities. This visual underscores the necessity for flexible infrastructure and improved surge planning.



3. COVID-19 Related Deaths

COVID-related Deaths illustrate the toll on human life. Although April experienced the highest case count, mortality lagged slightly but remained high throughout. This reveals the extended strain on critical care services and the need for timely response during peaks.

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4. Vaccine Rollout Progress

Vaccination Uptake over time shows promising trends. From minimal coverage in January to over 60% by June, the rollout gained momentum. However, disparities remain across provinces and demographic groups, highlighting areas for improved outreach and accessibility.

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