

Chinese Notifiable Infectious Diseases Surveillance Report

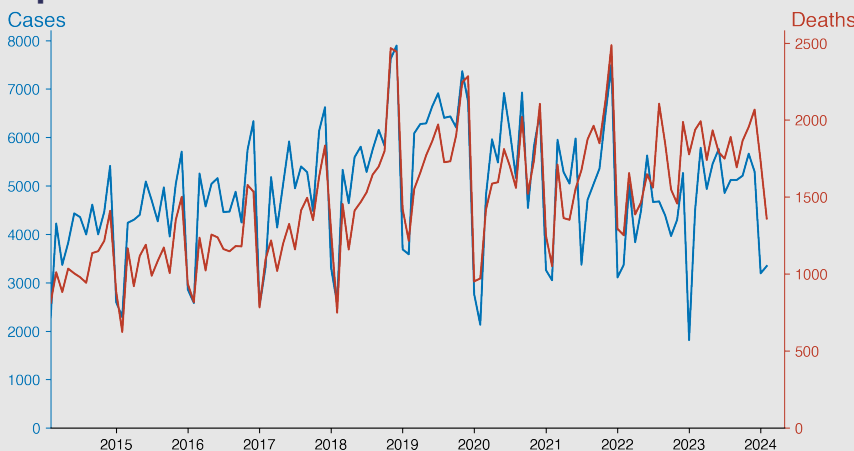
Acquired immune deficiency syndrome

February 2024

Introduction

Acquired Immune Deficiency Syndrome (AIDS) is a chronic, potentially life-threatening condition caused by the human immunodeficiency virus (HIV). It damages the immune system, hindering the body's ability to fend off diseases. AIDS, the terminal stage of HIV, doesn't occur in all HIV-positive individuals. Without treatment, HIV may develop into AIDS, characterized by a severe fall in CD4 T cells or by specific associated diseases. However, modern antiretroviral therapy can effectively manage HIV, preventing its progression to AIDS.

Temporal Trend



Highlights

- A significant rise in AIDS cases and deaths marked from 2014 to 2024, underlying a persistent HIV/AIDS epidemic in Chinese mainland.
- Seasonal peaks in new AIDS cases and associated deaths are consistent late in the year, with November and December being notably high.
- Annually, a noticeable decrease in cases and deaths happens around February, possibly due to Lunar New Year reporting disruptions.
- The latest data for February 2024 shows a small decrease in deaths from the prior month, yet the AIDS situation remains pressing with considerable case counts.

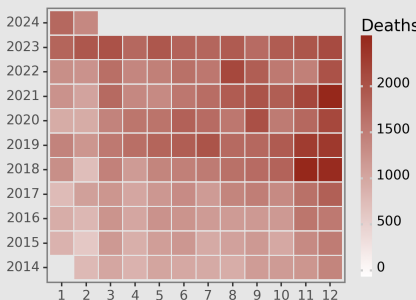
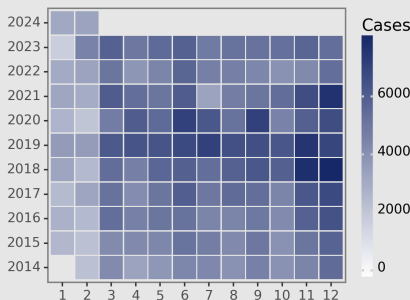
Cases Analysis

From February 2014 to February 2024, a persistent increase in HIV/AIDS cases in mainland China is observed. Initial cases fluctuated around the mid-2000 levels, reaching 5411 cases by December 2014. Despite some variability, a general upward trend is evident with peaks surpassing 7000 cases throughout 2019 and a notable surge to 7490 cases in December 2021. Although a brief dip occurred early in 2020, possibly due to restrictive measures during the COVID-19 pandemic, the uptrend resumed shortly after. By 2024, case numbers stabilized around the mid-3000s, suggesting potential effectiveness of interventions.

Deaths Analysis

The death count related to AIDS fluctuated, with the smallest number recorded as 624 in February 2015 and the highest as 2486 in December 2021. On average, the monthly death count seemed to stay mostly between 900 to 2000 range throughout the duration. Like the AIDS cases, there is a noticeable trend of high death rates at the very end of each year, which could reflect late diagnosis or treatment delays. The data shows an overall rising trend over the period, indicating a growing concern for health providers and policymakers.

Distribution



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