

Chinese Notifiable Infectious Diseases Surveillance Report

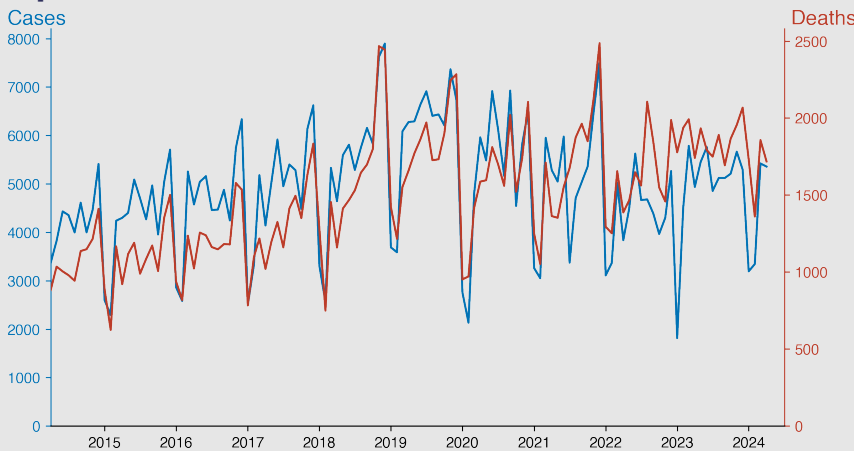
Acquired immune deficiency syndrome

April 2024

Introduction

Acquired Immune Deficiency Syndrome (AIDS) is a chronic, life-threatening condition caused by the Human Immunodeficiency Virus (HIV). It degrades the immune system, preventing the body's ability to combat other viruses, infections, and diseases. The virus is transmitted through direct contact with certain bodily fluids of a person who has HIV. Symptoms differ in different stages, from flu-like problems in early stages to severe illnesses in advanced stages. There's currently no cure for HIV/AIDS, but medications can dramatically slow disease progression.

Temporal Trend



Highlights

- An upward trend in Acquired immune deficiency syndrome (AIDS) cases was noted from 3369 in April 2014 to 5357 in April 2024, marking a significant increase over a decade.
- Monthly deaths also saw significant growth, rising from 883 in April 2014 to 1718 in April 2024.
- Fluctuations are present but the overall pattern shows an increased prevalence and lethality of AIDS in mainland China.
- December 2018 and December 2021 recorded the highest cases (7897) and deaths (2486) respectively.

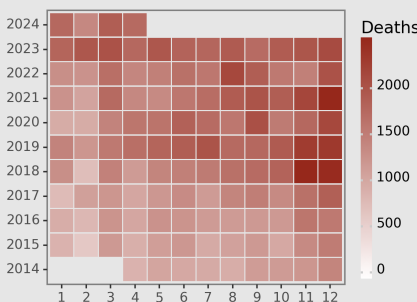
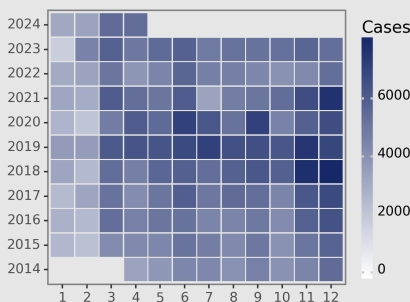
Cases Analysis

Over the observed period from April 2014 to April 2024, the number of Acquired Immune Deficiency Syndrome (AIDS) cases in mainland China shows significant variation, with occasional spikes indicating a potential outbreak of new cases. The number of cases appears to generally increase yearly, especially during certain months such as December, suggesting a cyclic trend. It is also observed that the cases rise considerably from 3369 cases in April 2014 to 5357 cases in April 2024 with some dips and peaks, indicating a worrying upward trend in the prevalence of HIV/AIDS.

Deaths Analysis

In analyzing the death data due to AIDS over the same ten-year period, a rising trend is observed, showing increased fatalities over time. A pattern of peaks and troughs is seen throughout the data, with the highest number of deaths occurring in December 2021 with 2486 deaths. However, the overall trend shows that the number of deaths tends to increase around the end of the year and begin to decrease during the start of the next year. This pattern indicates a continuous public health challenge posed by AIDS in mainland China, necessitating urgent preventive measures and effective management strategies.

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