

# Chinese Notifiable Infectious Diseases Surveillance Report

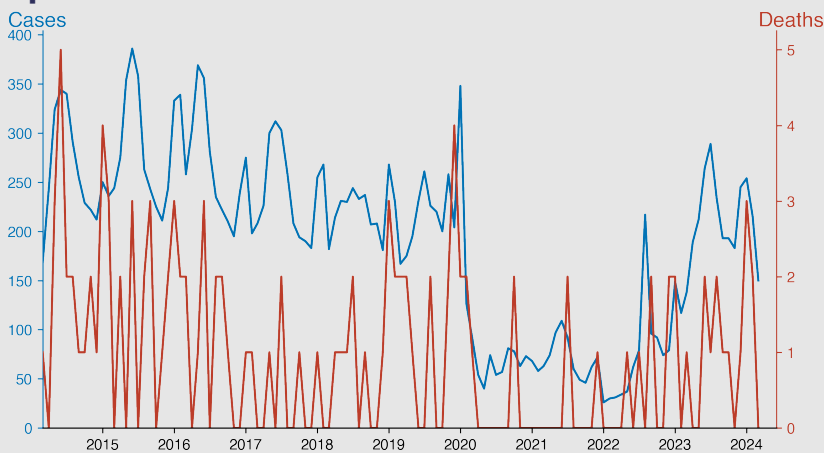
## Malaria

March 2024

### Introduction

Malaria is a life-threatening illness transmitted through the bite of infected Anopheles mosquitoes. It's caused by Plasmodium parasites, with five different species causing the disease in humans. The parasite multiplies in the liver and infects red blood cells, causing symptoms like fever, headaches, and vomiting. Most malaria cases and deaths occur in sub-Saharan Africa. However, South-East Asia, Latin America, and the Middle East are also at risk. Despite global efforts, it remains a significant health issue, especially for vulnerable populations like children and pregnant women.

### Temporal Trend



### Highlights

- There's a marked decline in malaria cases from 2014 to 2022, with an exception in August 2022. This was followed by an uptrend in 2023 and 2024.
- Despite reduced cases, deaths from malaria remain sporadic with several months reporting no fatalities.
- Summer months since 2022 notably see a rise in cases, implying a potential seasonality.
- As of March 2024, 150 cases were reported with no deaths, a significant increase compared to the previous years from 2021-2023 but no fatalities were reported.

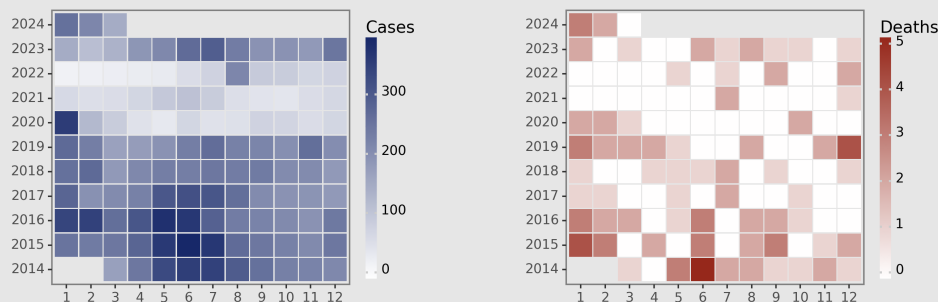
### Cases Analysis

Between 2014 and 2024, there was an observable pattern of malaria cases in mainland China indicating a seasonal cycle. By examining the data, it can be seen that cases generally peaked during the mid-year (June to July) and dropped to the lowest in the early months of the year, especially February. However, from 2020 onwards, a clear decrease in reported cases was observed, which may be due to enhanced disease control, better access to healthcare, or other factors such as increased pandemic awareness due to COVID-19. The case count starts to increase again from 2023 but has yet to reach the numbers of pre-2020.

### Deaths Analysis

Over the same period, malaria-related deaths remained relatively low compared to the number of cases, with the maximum number of deaths reported in December 2019 (4 deaths). Despite the uptick in cases from 2020-2024, deaths remained stable, which may suggest improved treatment and handling of cases. Overall, there's no clear pattern in deaths concerning specific months. However, the death count has starkly decreased from 2014 to 2024 showing the consistent efforts of medical authorities in managing Malaria effectively.

### Distribution



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Version: 2024-04-24 (UTC+)