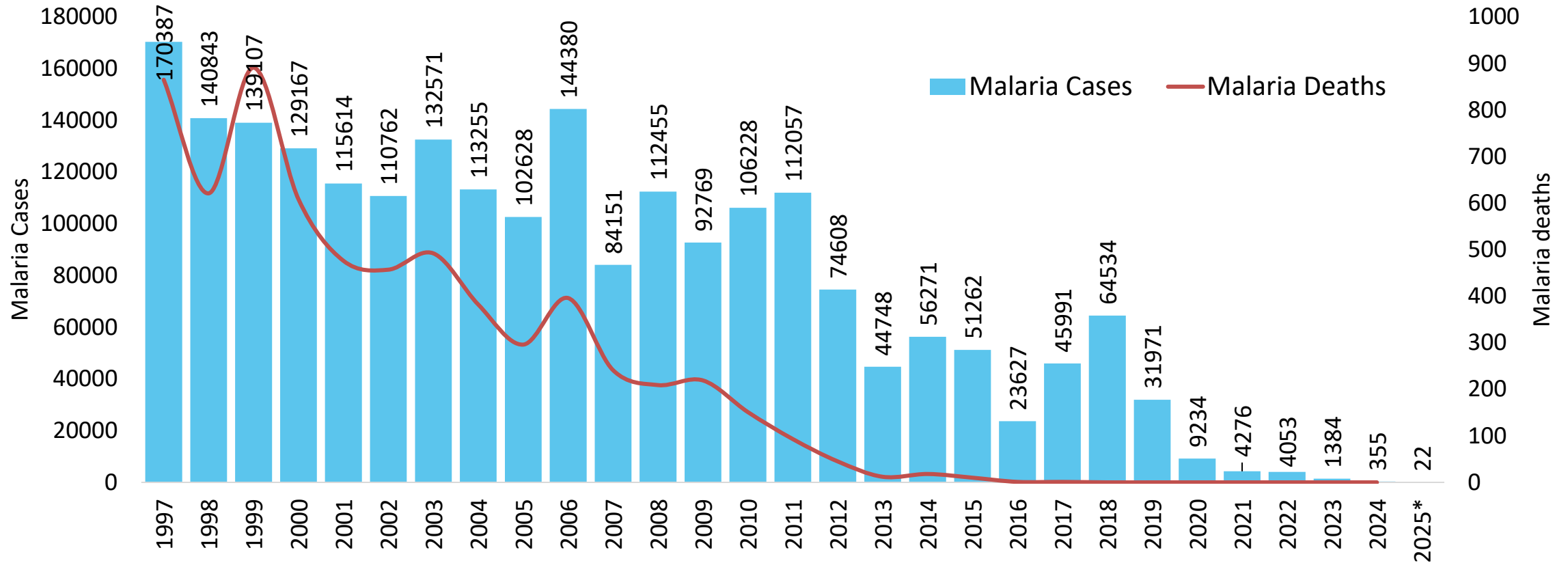


Harnessing Innovation: Next Generation Solutions for Vector-borne Diseases

SECURE WEBINAR22
Country Reactor: Cambodia
Dr. Lek Dysoley
August 6, 2025

Malaria in Cambodia

Malaria Situation

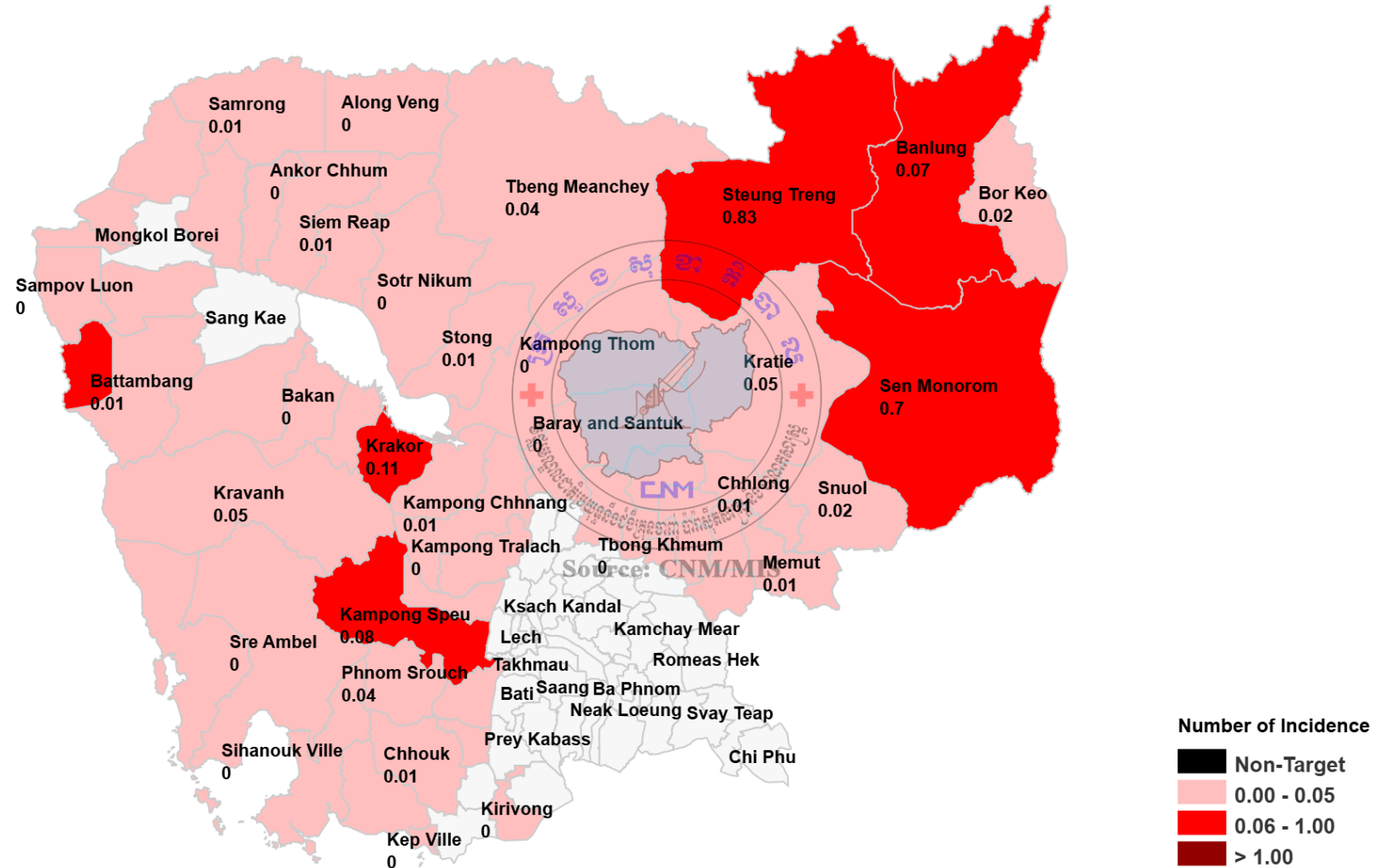


Source: CNM MIS 2025;

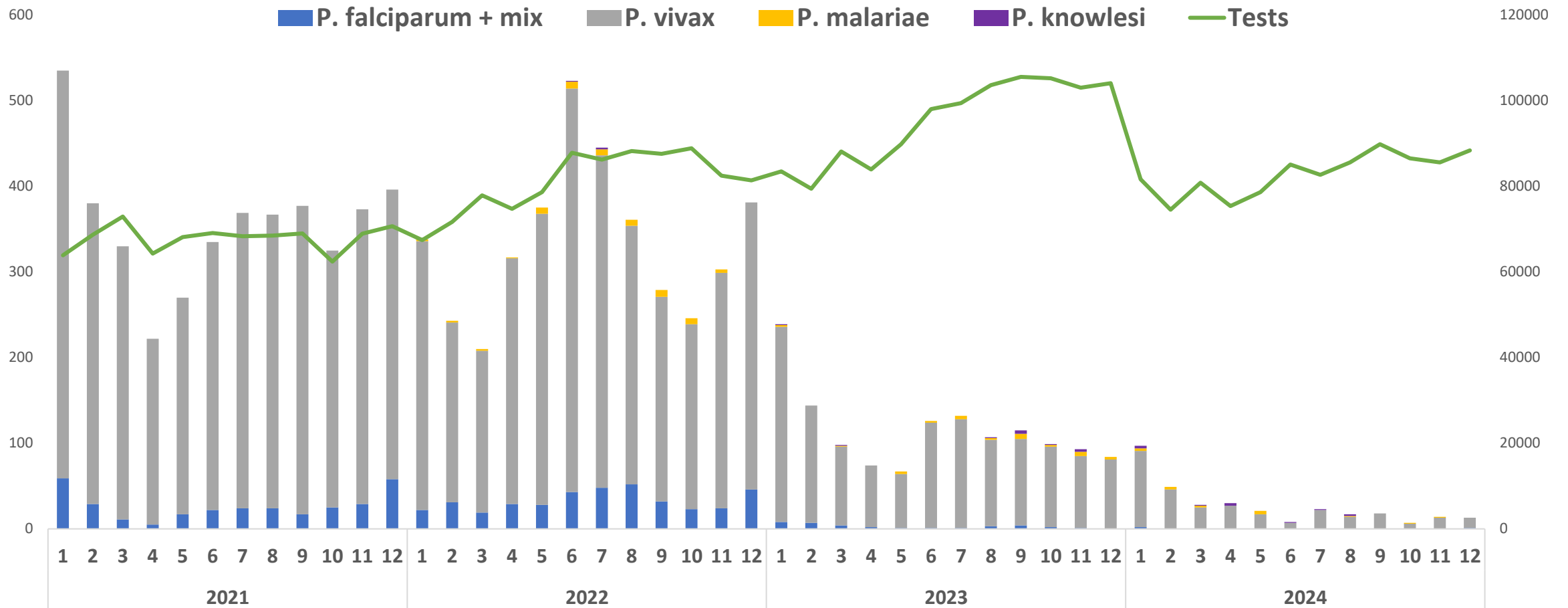
*Note 2025 data includes Jan – Jun only

Malaria Incidence 2024

2024 MIS data shows malaria cases remain concentrated in border and forested areas, with mobile/migrant populations and military at higher risk for malaria.

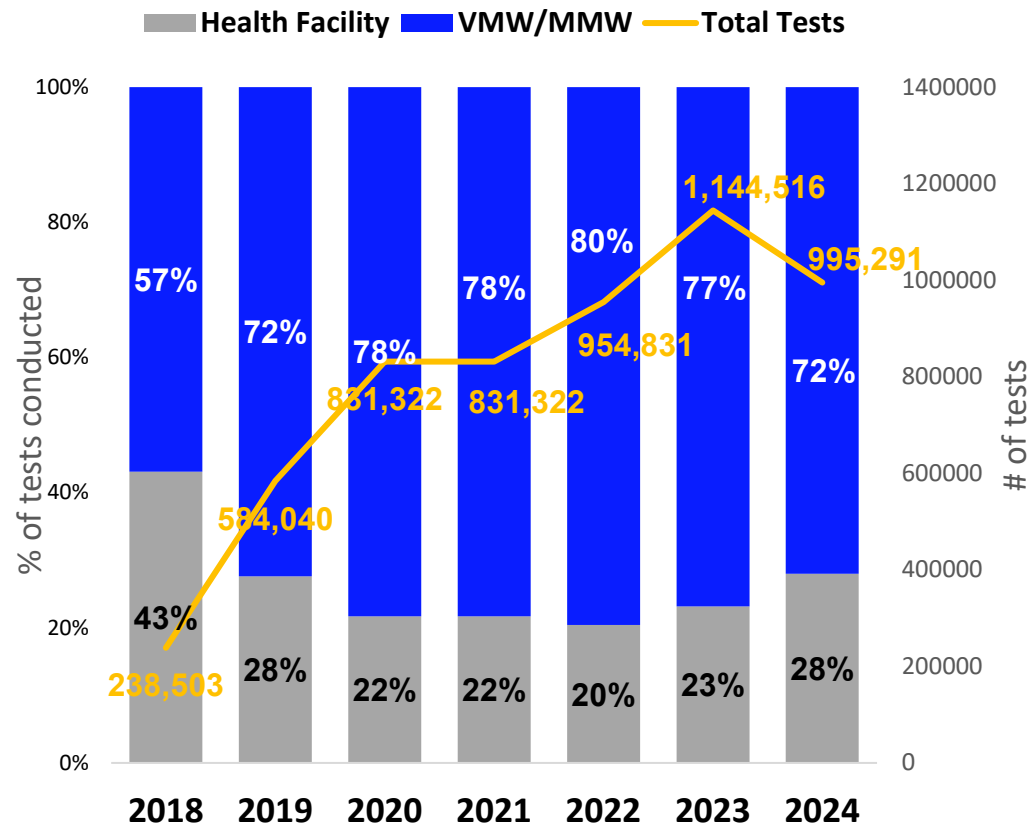


Malaria situation by species 2021 - 2024

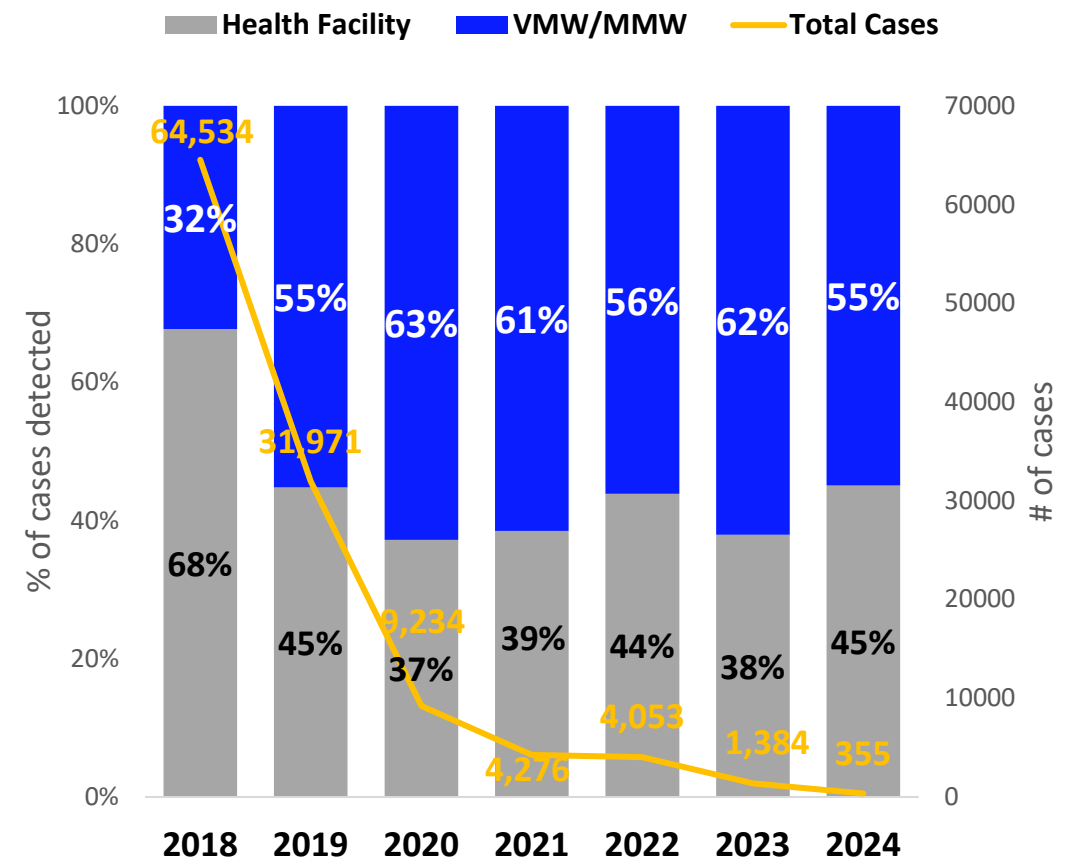


Malaria testing & case detection by sector

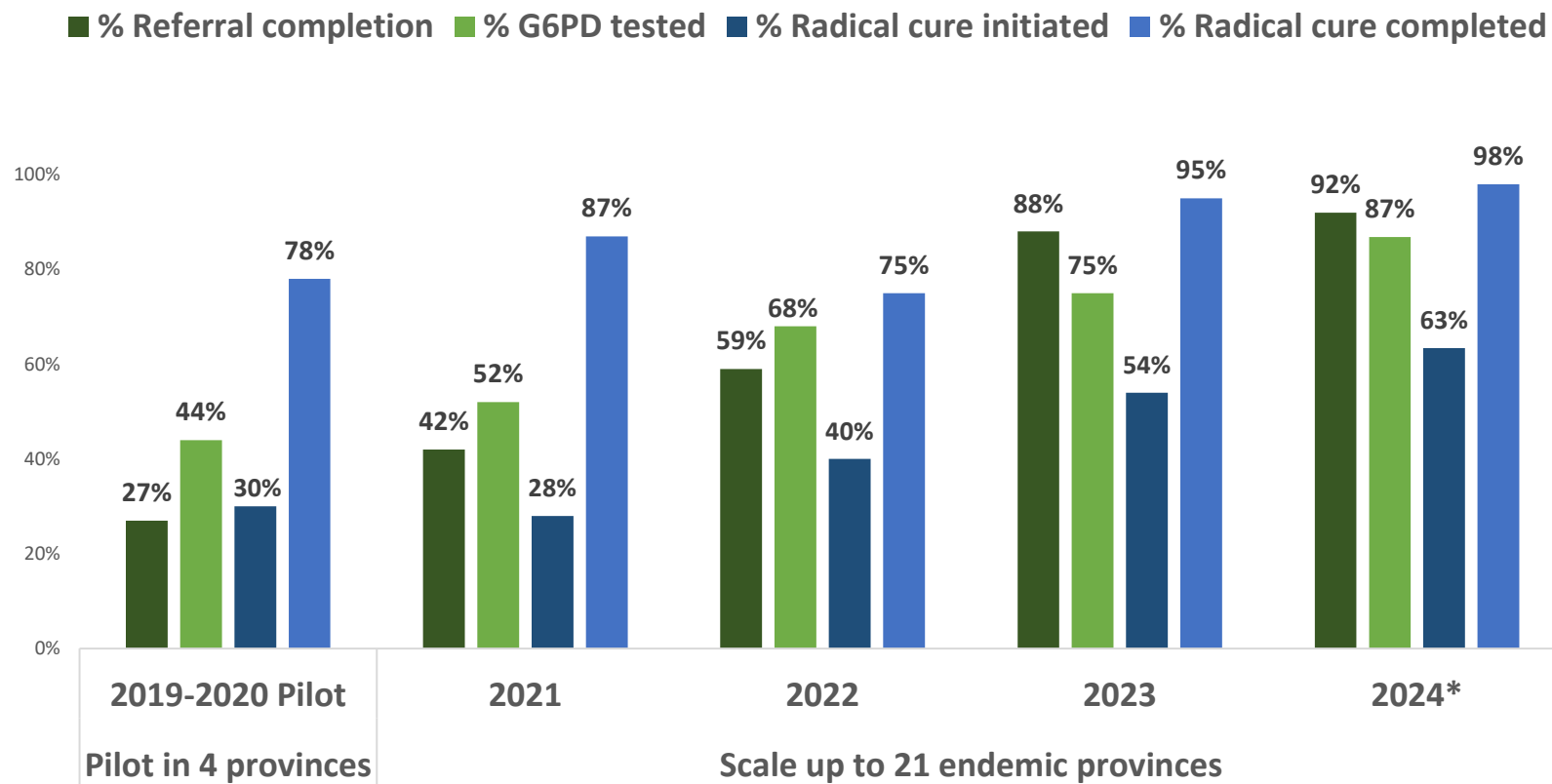
% of Malaria Tests Conducted



% of Malaria cases detected



P.vivax radical cure coverage



Key program milestones:

Dec 2019: Pv radical cure pilot in 4 provinces (only include G6PD normal men >18)

Feb 2021: Nationwide roll out (including women & children)

June 2022: Primaquine treatment eligibility expanded to G6PD intermediate males

Aug 2022: VMW referral incentive program to increase referral to HC

June 2023: Transition from 14day PQ to 7day PQ nationwide

October 2024: Nationwide roll out of 8week PQ for G6PD deficient patients

Percents in graph are among all Pv/mix cases that year, except referral completion is among VMW/MMW detected cases and radical cure completion is among initiated radical cure

Note: <2% of cases reported side effects after Primaquine treatment each year

Dengue in Cambodia

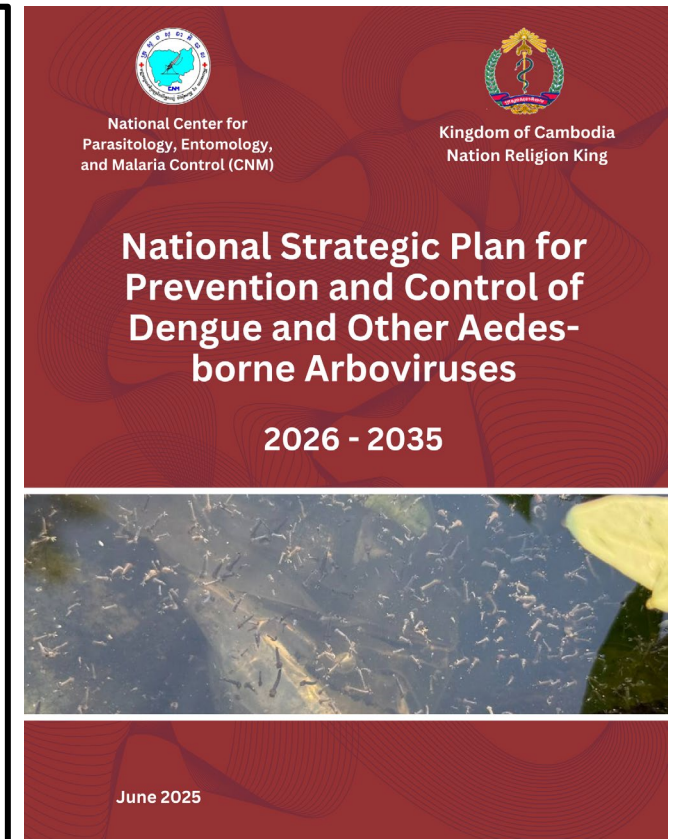
Dengue National Strategic Plan 2026 - 2035

Cambodia is currently finalizing a new national strategic plan for dengue in Cambodia.

NSP Goal: To significantly reduce the burden of disease and deaths from dengue and *Aedes*-borne arboviruses in Cambodia by 2035.

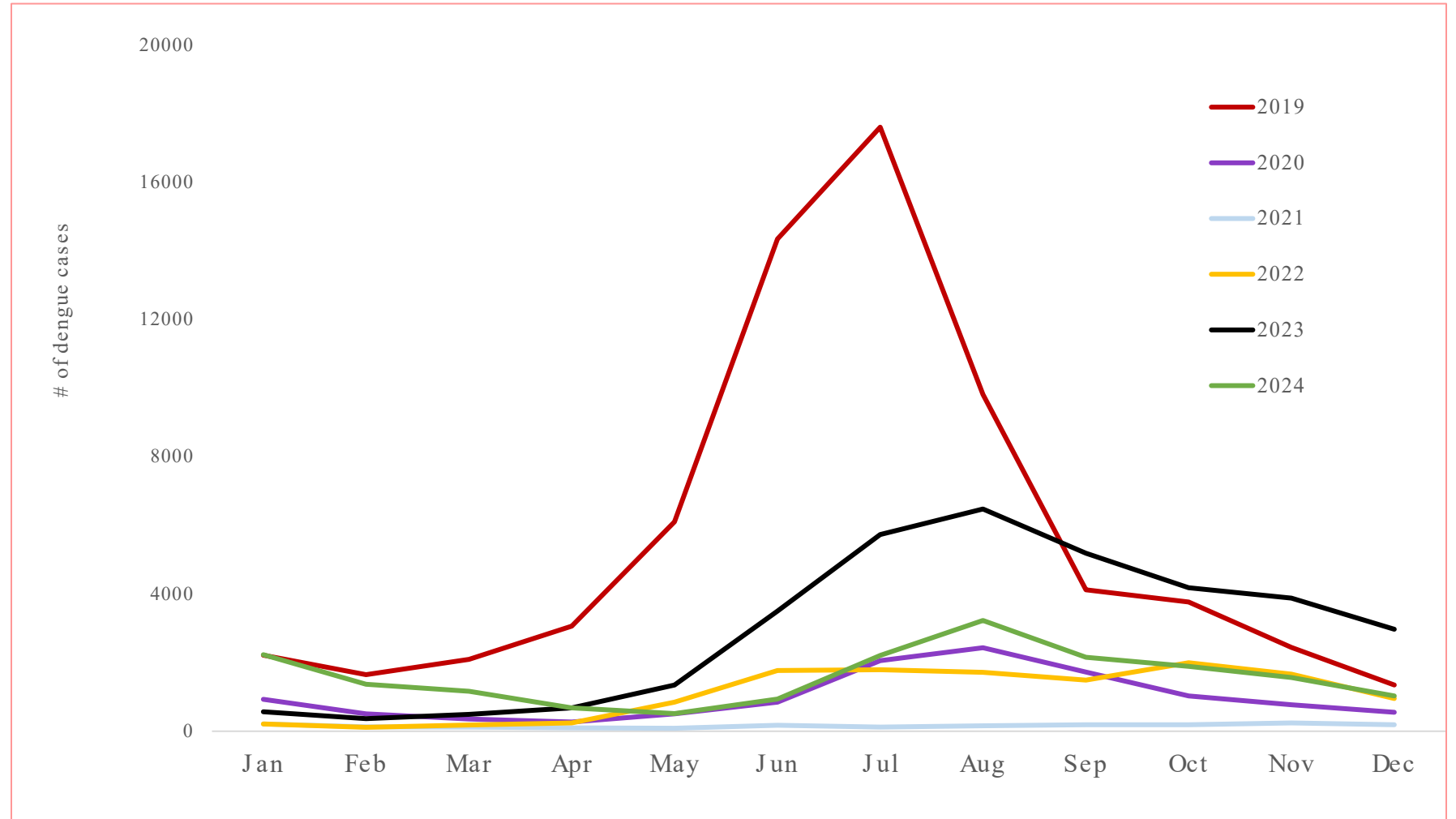
NSP Objectives:

- To reduce nationwide dengue case fatality rate by at least 55% by 2035
- To decrease nationwide dengue incidence rate by at least 40% by 2035
- To achieve an effective response to 100% of outbreaks of other aedes-borne arboviruses by 2035



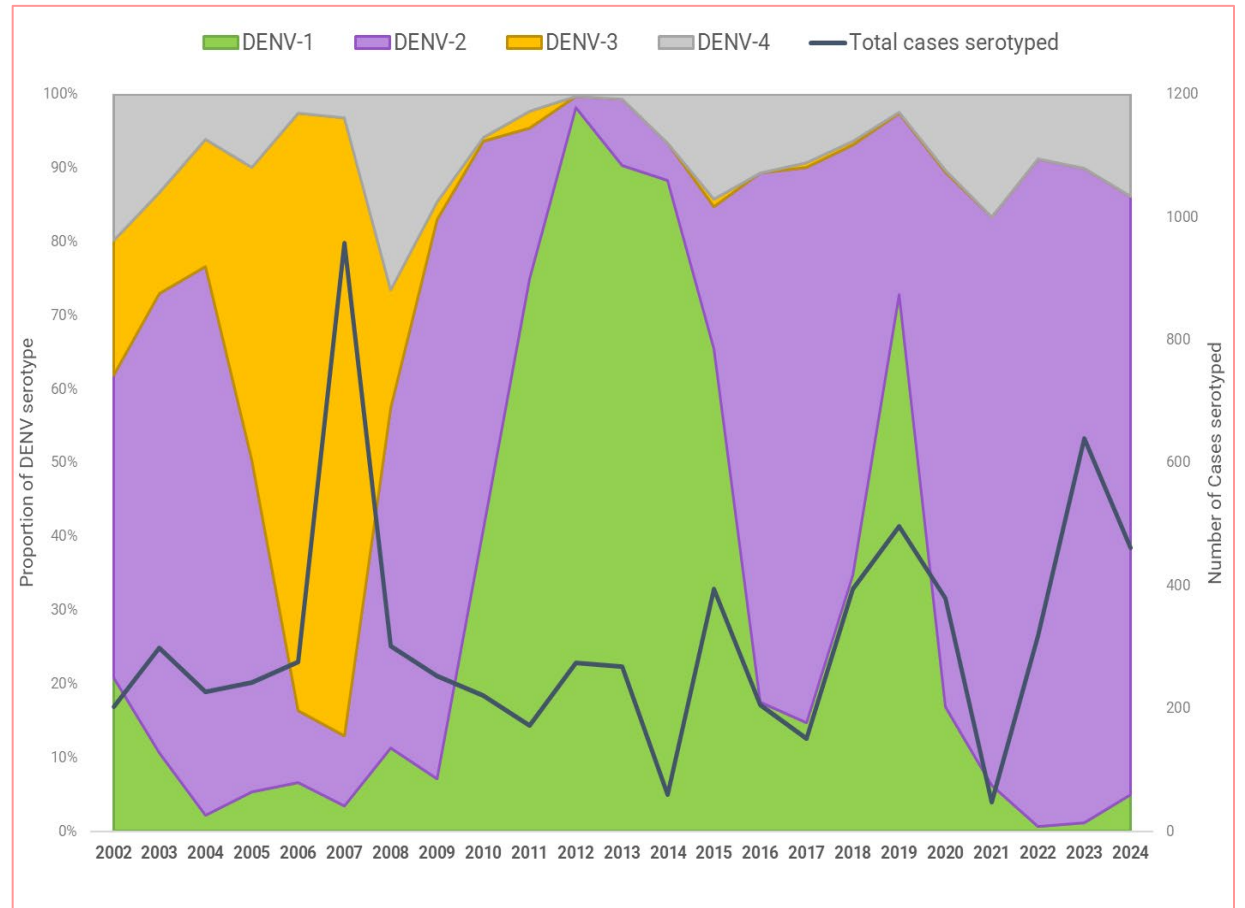
Dengue Situation

The recent dengue outbreaks reported more than **65,000** suspected dengue cases in 2019 and **~35,000** suspected dengue cases in 2023



Dengue Virus Circulation 2002 - 2024

- Four major dengue outbreaks have been recorded in Cambodia during this period: in 2007, 2012, 2019, and 2023.
- Each of these outbreaks were characterized by a single dominant serotype, DENV-3 (84% of serotyped cases) in 2007, DENV-1 (98%) in 2012 and (73%) 2019, and DENV-2 (89%) in 2023.
- DENV-4 has consistently circulated at low levels and has not been implicated in any large-scale outbreak.



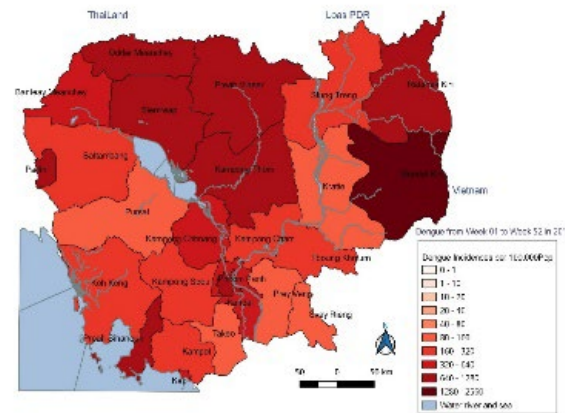
Dengue Situation 2019 - 2024

Dengue transmission in Cambodia varies by province, city, and urban versus rural areas.

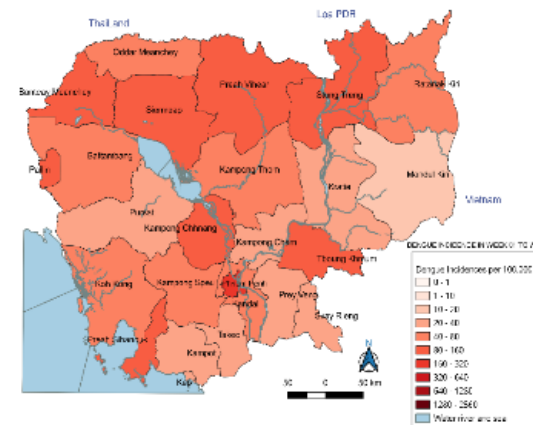
In 2019, all provinces experienced dengue fever outbreaks.

The highest number of cases was reported in Siem Reap, which accounts for 14% of all cases, followed by Phnom Penh (13.6%) and Kandal (9.2%).

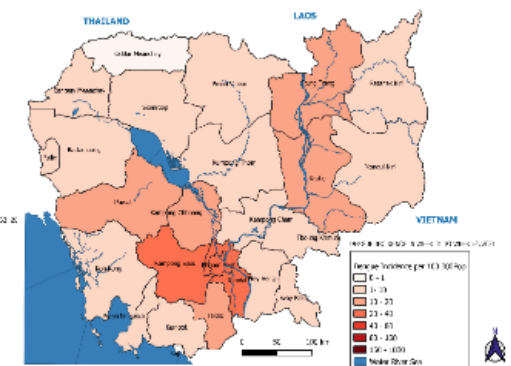
2019



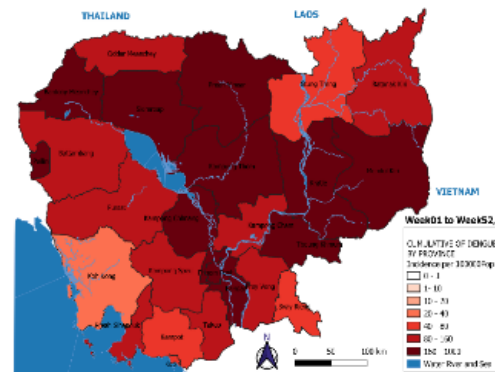
2020



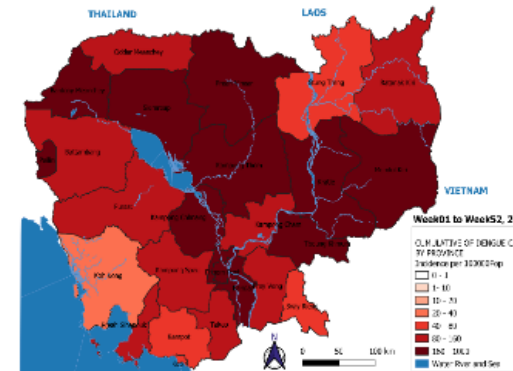
2021



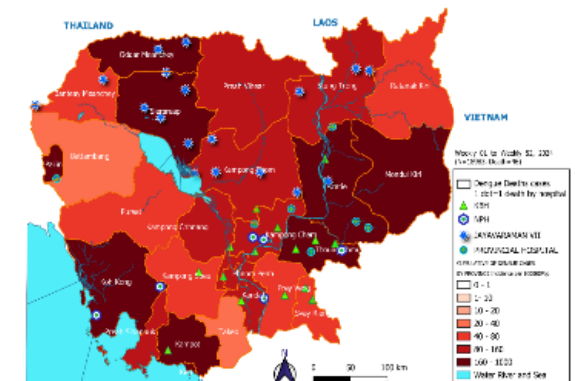
2022



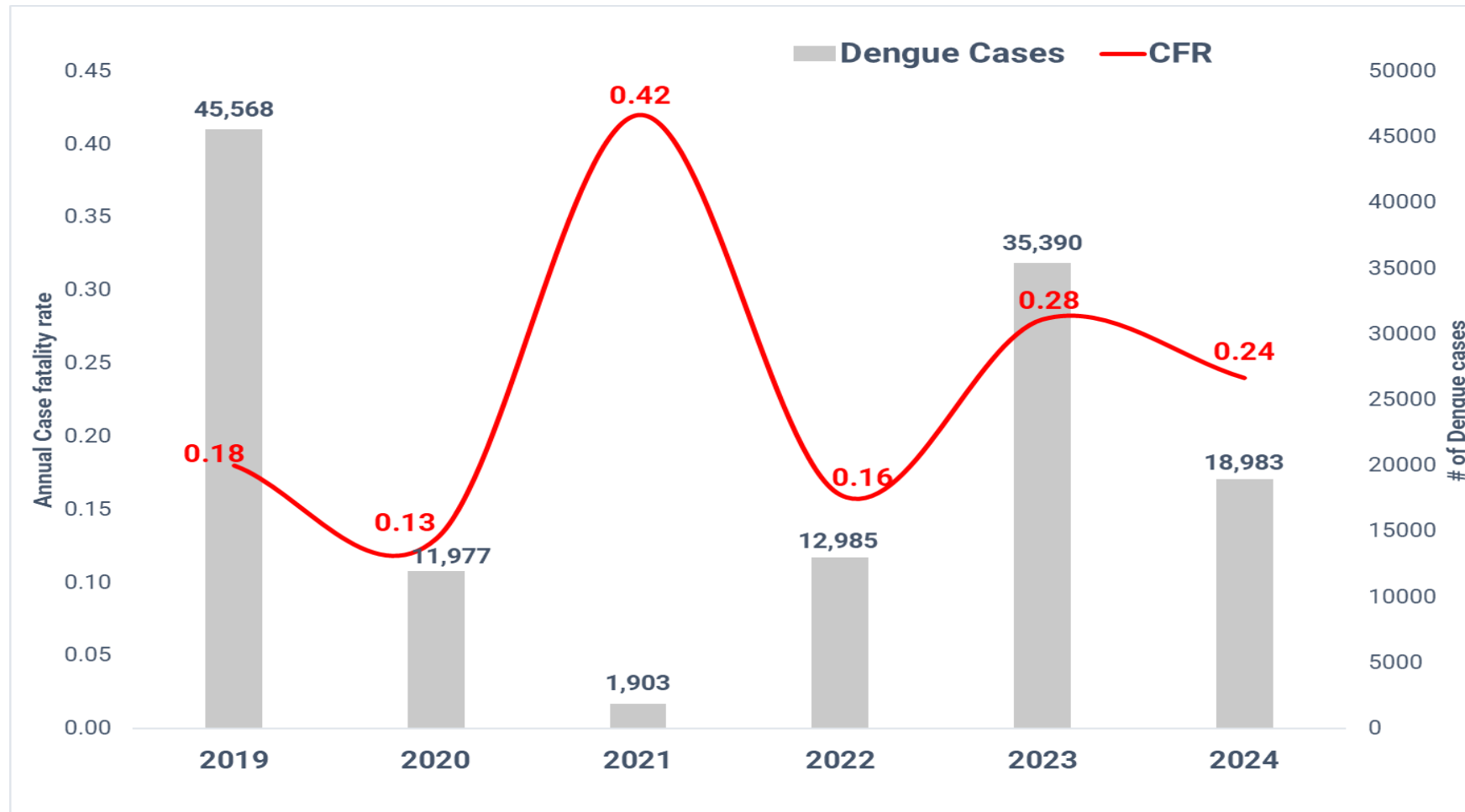
2023



2024



Dengue Situation 2019 - 2024



- Cambodia maintains a case fatality rate (CFR) of less than 0.3% over the past 5 years.
- Except for the spike in 2021 due to overwhelming impact of COVID-19 pandemic on hospital system and underreporting of non-severe cases.

Key Challenges and gaps in VBD

1. Surveillance & data gaps
2. Vector control & Insecticide resistance
3. Climate change & migration impacts
4. Cross border & Migrant Risk
5. CE

Thank You