



The WHO team checks the spraying equipment before heading to Sohbatpur to conduct the indoor residual spraying campaign. Photo credit: WHO Pakistan/Saiynabashir

25 April 2024 – Pakistan carries a significant burden of major vector-borne diseases. Malaria is endemic in the country and contributes to high levels of morbidity and mortality. Dengue is also a prominent health concern.

In 2022, monsoon floods – the worst in the country’s history – affected all 60 districts in Pakistan that are highly endemic for malaria.

During the monsoon floods, there was a visible rise in malaria cases from July 2022 in many districts in Sindh, Khyber Pakhtunkhwa and Balochistan. By early August 2022, cases had reached outbreak proportions.

In September 2022, WHO set up daily and weekly reporting systems for selected communicable

diseases, such as malaria, dengue and cholera. These have since helped in the early detection of outbreaks and, later, in assessing the impact of interventions.

In 2022, Pakistan reported 1.8 million malaria cases. This figure rose to 2 million cases in 2023. Operations led by WHO, and involving community members, succeeded in effectively controlling the outbreak and normalizing the situation by end 2023.

This malaria outbreak, affecting over 40 districts in total, is considered the worst in Pakistan since the resurgent outbreak of 1973. Population displacement caused by the floods added significantly to the disease burden.

Collectively, Pakistan, Afghanistan, Somalia, Sudan and Yemen account for more than 90% of the total malaria burden in the WHO Eastern Mediterranean Region.

Indoor residual spraying campaign led by WHO



Other major response efforts

For the first time in Pakistan, WHO also introduced the innovative approach of mass drug administration. This was done in areas where the incidence of falciparum and test positivity rates had reached 50%.

Other major elements of the response included mobilizing lady health workers – as well as immunization and polio programme and WHO field workforce – to run interventions, conduct surveillance and provide care on the ground. Outreach services were set up in all outbreak-hit districts of Balochistan and Sindh provinces to provide and ensure continuity of quality diagnostic and treatment services.

Using these interventions, alone or in combination, brought a rapid decline in daily reported cases, as the transmission potential reduced. An estimated 40 000 deaths across all 60 outbreak-hit districts were averted including Sohbatpur. This was achieved thanks to the provision of early diagnosis and effective treatment at the doorstep of those surrounded by

floodwater or displaced to temporary shelters in camps.

The operations led by WHO represent the largest effort in the history of malaria outbreak control in Pakistan since 2001.

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