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**ASEAN
BIODIASPORA
VIRTUAL CENTER**

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Bi-Weekly Epidemic Intelligence Report

Epi-week 43-44, 2024

With Support by:



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This report aims to provide the summary of the situation on infectious and emerging diseases in the ASEAN Region over the past two weeks. We collate various information from multiple official and publicly available sources. This report is published once every two weeks on Tuesday. For feedback and/or suggestions, please write to support@biodiaspora.org

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Definitions

Below is a list of commonly referred to terms and keywords in the bi-weekly reports:

ASEAN Biodiaspora Virtual Center (ABVC)

The ASEAN Biodiaspora Virtual Center (ABVC) is a center for monitoring, detection, and risk assessment of biological threats. ABVC aims to strengthen ASEAN's pandemic preparedness and response through enhancement of big data analytics and visualization.

Hazard

A source/incident that has the potential to cause morbidity or mortality in an exposed human population.

Signal

An incident/situation involving a hazard that has occurred. Signals are typically news/updates identified through Event-Based Surveillance and Indicator-Based Surveillance, utilizing both official and non-official sources.

Potential Threats

Any signal as assessed by the ABVC to have the potential to pose a near-future risk to the ASEAN region based on the rapid risk assessment.

Threat of Regional Interest

Any threat from neighbouring countries that has been confirmed by ABVC as having the potential to pose a near-future risk to the populations of ASEAN Member States.

Bi-weekly Events Summary in the ASEAN Region

(October 5 - 18, 2024)

This bi-weekly report provides an overview of the signals and potential threats detected and identified by the ASEAN Biodiaspora Virtual Center between October 5 - 18, 2024.

14

Disease
Signals

0

Potential
Threats

Executive Summary

Disease Signals Over the past two weeks, the ABVC has detected 14 infectious disease signals in the ASEAN region. Dengue accounted for 5 signals, followed by HIV/AIDS, measles and rabies (2 signals each), hand, foot, and mouth disease (HFMD), leptospirosis, and malaria (1 signal each).

Potential Threats There have been no disease signals posing a potential threat to the ASEAN region in the past two weeks.

Threat of Regional Interest ABVC closely monitors global and regional threats that could affect the ASEAN region and promptly issues **Disease Alerts** as needed which can be accessed [\[here\]](#). In response to the World Health Organization's declaration of a public health emergency of international concern for mpox, particularly the clade I, we conduct regular monitoring of the global and ASEAN regional **situation reports**, which can be accessed [\[here\]](#).

Signals and Potential Threats

The ABVC actively monitors the ASEAN region for daily disease signals. Through our analysis, specific signals are identified as threats or events of regional concern. Potential threats are identified by considering the connectivity between ASEAN countries.

Number of Disease signals detected in epi-week 43 - 44, 2024



Number of detected signals in epi-week 43 - 44

by country, for October 19 - November 1, 2024

Infectious disease signals



Figure 1. Disease signals detected in epi-week 43-44, 2024

Over the past two weeks, a total of 14 infectious disease signals were detected in the region. A total of 5 signals were detected in Viet Nam, followed by Malaysia and the Philippines (3 signals each), Indonesia (2 signals), and Singapore (1 signal). No infectious disease signals were detected in Brunei Darussalam, Cambodia, Lao PDR, Myanmar, and Thailand.

Of the 14 infectious disease signals detected, the majority were vector-borne (50.0%), followed by direct transmitted diseases, vaccine-preventable diseases and zoonoses (14.3%), and viral infection (7.1%) (Table 1).

Table 1. Infectious disease Signals detected between October 19 – November 1, 2024

Disease category	Disease	Country (Signal detected)	No of signal
Direct transmitted disease (2)	HIV/AIDS	Indonesia (1), Malaysia (1)	2
Vaccine-preventable disease (2)	Measles	Viet Nam (2)	2
Vector-borne disease (7)	Dengue	Malaysia (1), Philippines (1), Singapore (1), Viet Nam (2)	5
	Leptospirosis	Philippines (1)	1
	Malaria	Indonesia (1)	1
Viral infection (1)	HFMD	Philippines (1)	1
Zoonosis (2)	Rabies	Malaysia (1), Viet Nam (1)	2

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