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**ASEAN  
BIODIASPORA  
VIRTUAL CENTER**

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# Bi-Weekly Epidemic Intelligence Report

Epi-week 29-30, 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](mailto:support@biodiaspora.org)

## Editorial

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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.

## **Threat**

Any signal as assessed by the ABVC to have the potential to pose a near-future risk to the ASEAN region. Criteria of threat consist of: new emerging diseases, re-emerging diseases, and disease outbreaks.

## **Event of Regional Interest**

A threat within ASEAN member states (AMS) that has been identified as a risk to the public health of ASEAN member states.

## **Threat of Regional Interest**

Any threat from neighboring 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

(July 13 - 26, 2024)

This bi-weekly report provides an overview of the signals, potential threats, and specifically Events of Regional Interest detected and identified by the ASEAN Biodiaspora Virtual Center between July 13 - 26, 2024.

21

Disease  
Signals

2

Potential  
Threats

### Executive Summary

**Disease Signals** Within the past two weeks, ABVC detected 21 infectious disease signals in the ASEAN region. Of the signals, 85.6% were dengue, followed by hand, foot, and mouth disease (HFMD), leptospirosis, and pertussis (4.8% each).

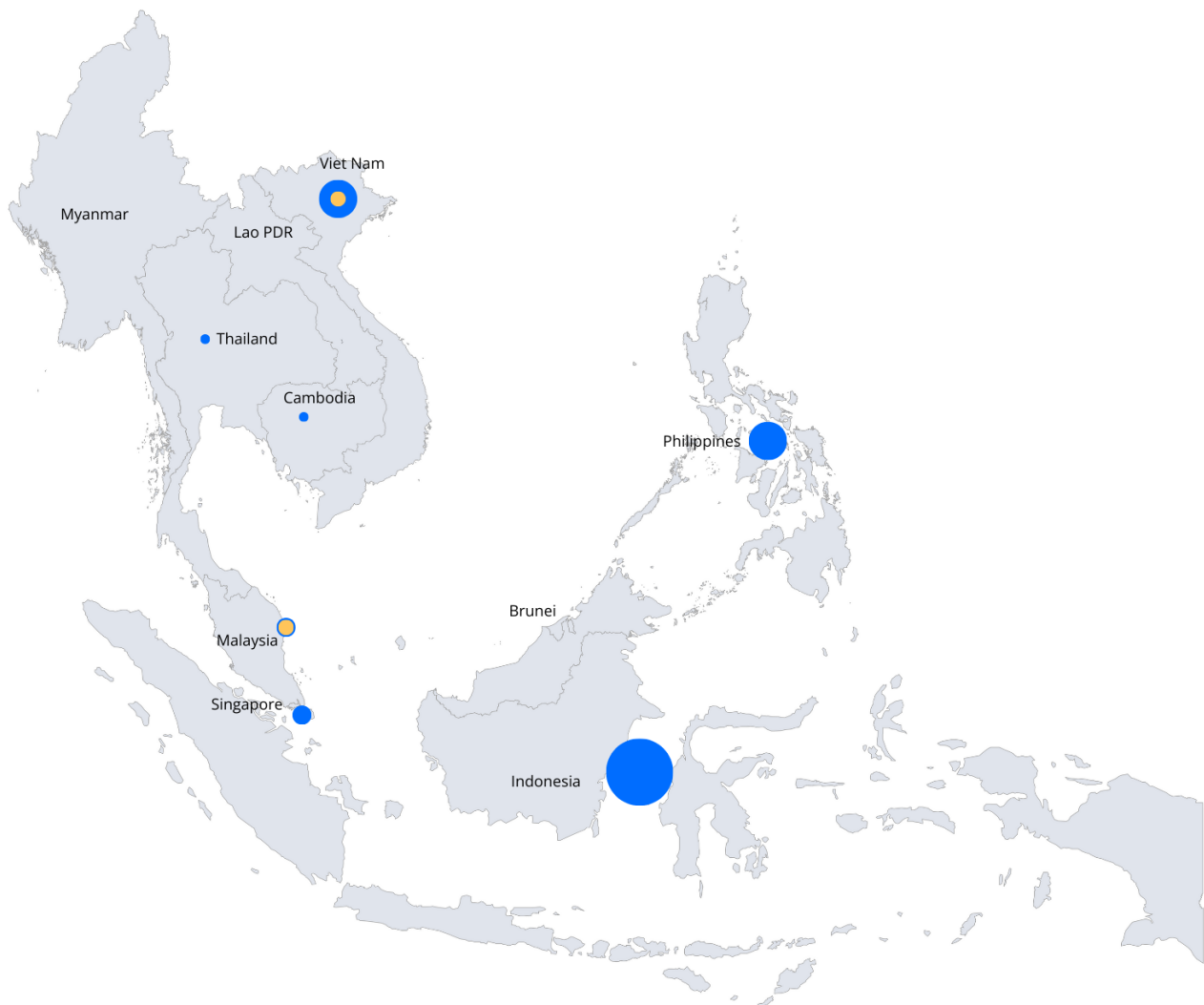
**Potential Threats** Of the disease signals, ABVC identified 2 potential threats within the past two weeks: 1 leptospirosis and 1 pertussis.

**Events of Regional Interest** ABVC has closely monitored several events of regional interest over the past two weeks. This includes tracking COVID-19 globally, as well as monitoring various infectious diseases in the ASEAN region such as dengue, malaria, measles, mpox, and rabies. Detailed information is available in our ***Morbidity and Mortality Weekly Report***, which can be accessed [\[here\]](#).

**Threat of Regional Interest** ABVC continued monitoring threats of regional interest that could impact the ASEAN region.

## 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 detected signals in epi-week 29-30

by country, for Jul 13 - 26, 2024

#### Infectious disease signals



#### Potential threat signals



Figure 1. Signals and potential threats detected in epi-week 27-28, 2024

In the past two weeks, a total of 21 infectious disease signals were detected in the region, two of which were potential threats. A total of 7 signals were detected in Indonesia, followed by the Philippines and Viet Nam (4 signals), Malaysia (2 signals) and Singapore (2 signals). Cambodia and Thailand each have 1 signal detected. No infectious disease signals were detected from Brunei Darussalam, Lao PDR, and Myanmar.

Of the 21 infectious disease signals detected, the majority were vector-borne (90.4%), followed by viral infection and vaccine-preventable disease (4.8% each).

Table 1. Infectious disease Signals detected between Jul 13 - 26, 2024

Disease category	Disease	Country (Signal detected)	No of signal
<b>Vaccine-preventable disease</b>	Pertussis	Viet Nam (1)	1
<b>Vector-borne disease</b>	Dengue	Cambodia (1), Indonesia (7), Malaysia (1), Philippines (3), Singapore (2), Thailand (1), Viet Nam (3)	18
	Leptospirosis	Malaysia (1)	1
<b>Viral infection</b>	Hand, food, and mouth disease	Philippines (1)	1

During the period, two of the 21 signals were identified as having the potential to pose a near-future risk to the ASEAN region. These include: one leptospirosis threat recorded in Malaysia and 1 pertussis recorded in Viet Nam.

Table 2. Potential threats detected between Jul 13 - Jul 26, 2024

Disease category	Disease	Country (Signal detected)	No of signal
<b>Vector-borne disease</b>	Leptospirosis	Malaysia (1)	1
Vaccine-preventable disease	Pertussis	Viet Nam (1)	1

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