Issue 04 | August 27, 2024

ASEAN BIODIASPORA VIRTUAL CENTER

ABVC

Bi-Weekly Epidemic Intelligence Report

Epi-week 33-34, 2024

With Support by:

bluedot

Korea Disease Control and Prevention Agency

In partnership with Canada

Kemenkes

ASSOCIATION OF SOUTHEAST ASIAN NATIONS

ASEAN BIODIASPORA VIRTUAL CENTER

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

Editorial

PUBLISHER
ASEAN Biodiaspora Virtual Center
2/F Ministry of Health, Jl. H.R. Rasuna Said, Blok X5, Kav. 4-9, Jakarta Selatan, Jakarta, Indonesia

E-mail: support@biodiaspora.org
Facebook: https://facebook.com/ASEANBiodiaspora
Instagram: https://instagram.com/ASEANBiodiaspora

ASEAN BIODIASPORA VIRTUAL CENTER

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.

ASEAN BIODIASPORA VIRTUAL CENTER

Bi-weekly Events Summary in the ASEAN Region

(August 10 – 23, 2024)

This bi-weekly report provides an overview of the signals and potential threats detected and identified by the ASEAN Biodiaspora Virtual Center between August 10 – 23, 2024.

26 Disease Signals

1 Potential Threat

Executive Summary

Disease Signals Over the past two weeks, the ABVC has detected 26 infectious disease signals in the ASEAN region. Dengue accounted for 13 signals, followed by mpox (4 signals), leptospirosis (3 signals), malaria and measles (2 signals each), avian influenza and diphtheria (1 signal each).

Potential Threats During the past two weeks, Thailand reported a case of clade I mpox, marking the first case in the ASEAN Region.

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 and potential threats detected in epi-week 33-34, 2024

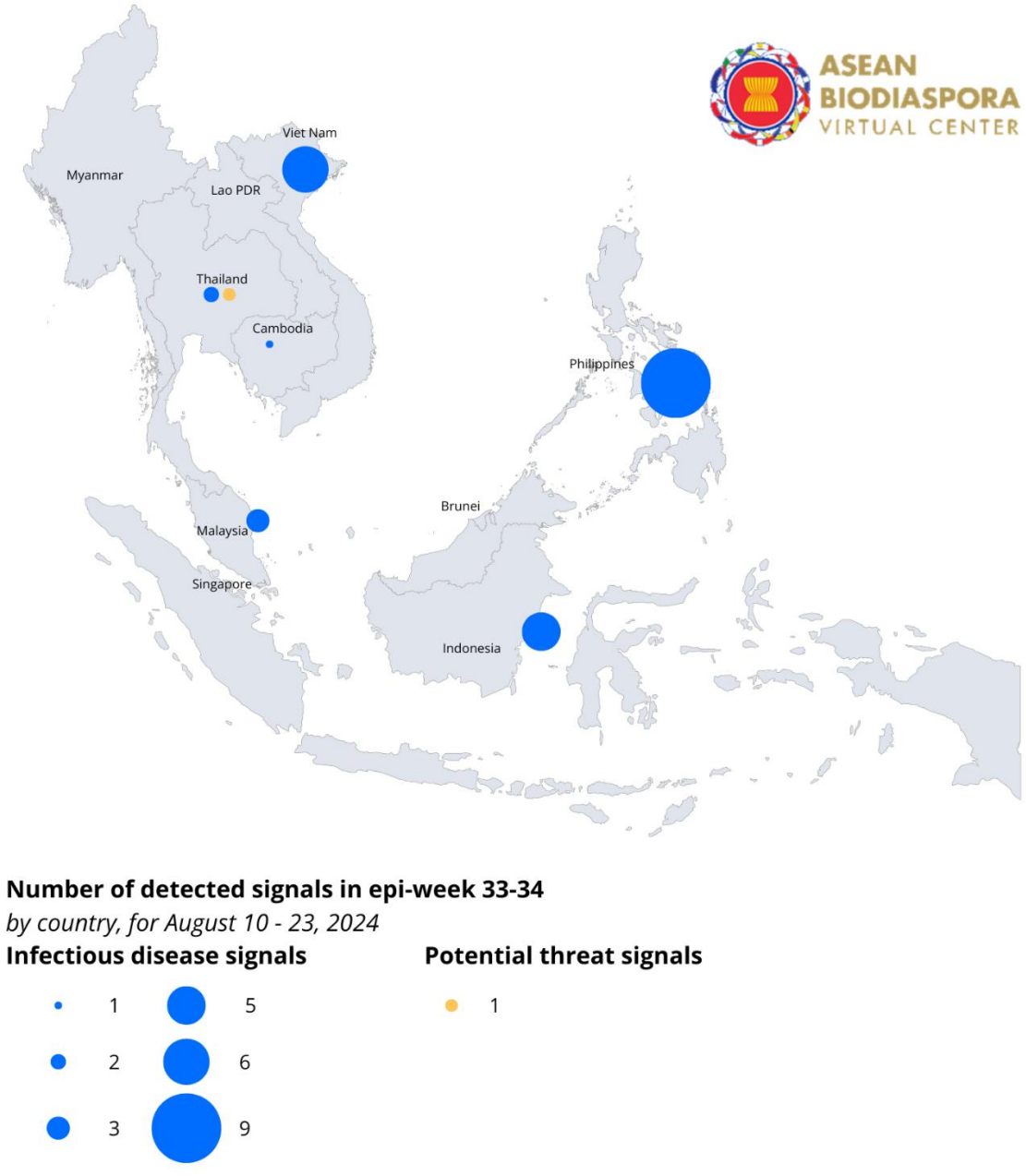

Figure 1. Disease signals detected in epi-week 33-34, 2024

Over the past two weeks, a total of 26 infectious disease signals were detected in the region. A total of 9 signals were detected in the Philippines, followed by Viet Nam (6 signals), Indonesia (5 signals), Malaysia (3 signals), Thailand (2 signals), and Cambodia (1 signal). No infectious disease signals were detected in Brunei Darussalam, Lao PDR, Myanmar, and Singapore.

Of the 26 infectious disease signals detected, the majority were vector-borne (69.2%), followed by emerging diseases (15.4%), vaccine-preventable diseases (7.7%), emerging and other diseases (3.8%) (Table 1).

Table 1. Infectious disease Signals detected between August 10 – 23, 2024

Disease category	Disease	Country (Signal detected)	No of signal
Emerging Disease	Mpox	Thailand (2), Viet Nam (1), Philippines (1)	4
Vaccine-preventable disease	Measles	Viet Nam (2)	2
Vector-borne disease	Dengue	Indonesia (3), Malaysia (3), Philippines (5), Viet Nam (2)	13
	Leptospirosis	Philippines (3)	3
	Malaria	Indonesia (2)	2
Zoonosis	Avian influenza	Cambodia (1)	1
Other disease	Diphtheria	Viet Nam (1)	1

On August 19, 2024, Thailand reported its first case of the mpox clade I variant, marking the initial occurrence of the variant in Asia since the WHO declared it a Public Health Emergency of International Concern (PHEIC). As of now, no further cases have been identified.

Table 2. Potential threat detected between August 10 – 23, 2024

Disease category	Disease	Country (Signal detected)	No of signal
Emerging Disease	Mpox (clade I)	Thailand (1)	1

ASEAN BIODIASPORA VIRTUAL CENTER

References

Agence France Presse (2024) Thailand reports suspected case of new Mpox strain, Barron's. Available at: https://www.barrons.com/news/thailand-reports-suspected-case-of-new-mpox-strain-676ada7d (Accessed: 21 August 2024).

Baomoi (2024) Công bố Dịch Bạch Hầu Trên địa bàn thị trấn mường lát, https://baomoi.com. Available at: https://baomoi.com/cong-bo-dich-bach-hau-tren-dia-ban-thi-tran-muong-lat-c49872726.epi (Accessed: 12 August 2024).

Bernama (2024) Dengue cases in Philippines reach 136,161, with 364 deaths, BERNAMA. Available at: https://bernama.com/en/world/news.php?id=2328614 (Accessed: 14 August 2024).

Cardinoza, G.L. (2024) Dengue kills 17 in Pangasinan, The Manila Times. Available at: https://www.manilatimes.net/2024/08/21/regions/dengue-kills-17-in-pangasinan/1965105 (Accessed: 21 August 2024).

Crisis24 (2024) Vietnam: Elevated measles activity reported in Ho Chi Minh City in August, Crisis24. Available at: https://crisis24.garda.com/alerts/2024/08/vietnam-elevated-measles-activity-reported-in-ho-chi-minh-city-in-august (Accessed: 14 August 2024).

Dumlao, A. (2024) Baguio City logs record high over 5,500 dengue cases, deaths climb to 12, Philstar.com. Available at: https://qa.philstar.com/nation/2024/08/22/2379798/baguio-city-logs-record-high-over-5500-dengue-cases-deaths-climb-12 (Accessed: 23 August 2024).

Ellera, T.D. (2024) Dengue cases in neg.occ. up by 94.21%, SunStar Publishing Inc. Available at: https://www.sunstar.com.ph/bacolod/dengue-cases-in-negocc-up-by-9421 (Accessed: 19 August 2024).

Firmansyah, A. (2024) Dbd Di Aceh Barat capai 15 Kasus Sepanjang 2024, Terbanyak Kawasan Johan Pahlawan, AJNN.net. Available at: https://www.ajnn.net/news/dbd-di-aceh-barat-capai-15-kasus-sepanjang-2024-terbanyak-kawasan-johan-pahlawan/index.html (Accessed: 21 August 2024).

Journal, E.S. (2024) Dengue cases drop in ME31, five deaths reported, Selangor Journal. Available at: https://selangorjournal.my/2024/08/dengue-cases-drop-in-me31-five-deaths-reported/ (Accessed: 16 August 2024).

Lukman, F.S. (2024) Dinkes Sumut Turunkan Tim ke Nias Selatan, RRI.co.id. Available at https://www.rri.co.id/kesehatan/911512/dinkes-sumut-turunkan-tim-ke-nias-selatan (Accessed: 19 August 2024).

Lukman, F.S. (2024) Dinkes Sumut Turunkan Tim ke Nias Selatan, RRI.co.id. Available at https://www.rri.co.id/kesehatan/911512/dinkes-sumut-turunkan-tim-ke-nias-selatan (Accessed: 19 August 2024).

Mai, T. (2024) Be alert for peak dengue fever epidemic, daidoanket.vn. Available at: https://daidoanket.vn/canh-giac-cao-diem-dich-sot-xuat-huyet-10287729.html (Accessed: 12 August 2024).

Manila Standard (2024) Doh reports surge in Leptospirosis, dengue cases amid post-typhoon floods, Manila Standard. Available at: https://manilastandard.net/news/314483537/doh-reports-surge-in-leptospirosis-dengue-cases-amid-post-typhoon-floods.html (Accessed: 14 August 2024).

Naval, G. (2024) San Lazaro Hospital: 149 leptospirosis cases in 10 days, Malaya Business Insight | The online version of Malaya Business Insight. Published at the same time with the same content for the major sections. Available at: https://malaya.com.ph/news_news/san-lazaro-hospital-149-leptospirosis-cases-in-10-days/ (Accessed: 16 August 2024).

Nhat, M. (2024) More than 500 measles cases, does Ho Chi Minh City have enough conditions to declare an epidemic?, Báo điện tử Dân Trí. Available at: https://dantri.com.vn/suc-khoe/hon-500-ca-soi-tphcm-co-du-dieu-kien-cong-bo-dich-20240822164800714.htm (Accessed: 23 August 2024).

Oladive, M.A. (2024) Iloilo's dengue death toll climbs to 10 as cases surge by 320%, Daily Guardian. Available at: https://dailyguardian.com.ph/iloilos-dengue-death-toll-climbs-to-10-as-cases-surge-by-320/ (Accessed: 16 August 2024).

Phương, Đ. (2024) TP HỒ Chí minh ghi nhận 3 Trường Hợp TỬ Vong do Sởi, Báo tin tức. Available at: https://baotintuc.vn/van-de-quan-tam/tp-ho-chi-minh-ghi-nhan-3-truong-hop-tu-vong-do-soi-20240811114015547.htm (Accessed: 12 August 2024).

Prensa Latina (2024) Rapid increase of dengue cases in Vietnam - prensa latina, Prensa Latina - Latin American News Agency. Available at: https://www.plenglish.com/news/2024/08/13/rapid-increase-of-dengue-cases-in-vietnam/ (Accessed: 14 August 2024).

Sampson, E. (2024) Philippines reports first Mpox case since W.H.O. declared global emergency, The New York Times. Available at: https://www.nytimes.com/2024/08/19/world/asia/philippines-mpox-case.html (Accessed: 21 August 2024).

Saudale, A.C. (2024) DHF and Malaria Outbreak Emergency, eight people died in south nias, VOI. Available at: https://voi.id/en/news/407941 (Accessed: 16 August 2024).

Thailand MOPH (2024) กรมควบคุมโรค เผยผลตรวจจากกรมวิทย์ฯ ยืนยันผลพบเชื้อฝีดาษวานรสายพันธุ์ clade IB ในผู้ป่วยซาวยุโรป. Available at: https://ddc.moph.go.th/brc/news.php?news=45714&deptcode=brc (Accessed: 23 August 2024).

The Nation (2024) 8 Mpox subvariants found in Thailand cause only mild disease, nationthailand. Available at: https://www.nationthailand.com/news/general/40040724 (Accessed: 21 August 2024).

The Straits Times (2024) Spike in dengue cases in Malaysia due to weather: Experts, The Straits Times. Available at: https://www.straitstimes.com/asia/se-asia/spike-in-dengue-cases-in-malaysia-due-to-weather-experts (Accessed: 19 August 2024).

Tuoi Tre News (2024). Mpox infects 199, claims 8 lives in southern Vietnam since 2023. Available at: https://tuoitrenews.vn/news/society/20240818/mpox-infects-199-claims-8-lives-in-southern-vietnam-since-2023/81523.html (Accessed: 21 August 2024).

VietnamPlus (2024) Philippines urgently responds to leptospirosis, Vietnam+ (VietnamPlus). Available at: https://en.vietnamplus.vn/philippines-urgently-responds-to-leptospirosis-post291714.vnp (Accessed: 12 August 2024).

Visayas, I. (2024) Ormoc City in Calamity State due to dengue outbreak, INQUIRER.net. Available at: https://newsinfo.inquirer.net/1971324/ormoc-city-in-calamity-state-due-to-dengue-outbreak (Accessed: 12 August 2024).

Wiguna, R. (2024) Kasus DBD meningkat, Dua Pasien meninggal di aceh tamiang, Serambinews.com. Available at: https://aceh.tribunnews.com/2024/08/13/kasus-dbd-meningkat-dua-pasien-meninggal-di-aceh-tamiang (Accessed: 14 August 2024).

Xinhua (2024) Cambodian girl dies of H5N1 Bird Flu: Health Ministry, Xinhua. Available at: https://english.news.cn/asiapacific/20240820/2d7f2e22f991464580a35722dc03f298/c.html (Accessed: 21 August 2024).

Yap, J. (2024) Selangor leads Malaysia in dengue cases, Petaling Tops State, The Star. Available at: https://www.thestar.com.my/metro/metro-news/2024/08/11/selangor-leads-malaysia-in-dengue-cases-petaling-tops-state (Accessed: 12 August 2024).