



This report aims to provide the current situation on infectious and emerging diseases in the ASEAN Region. We collate various information from multiple official sources and publicly available sources and is published every week on Wednesday. For feedback and/or suggestions, please write to support@biodiaspora.org

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Key Findings

Global

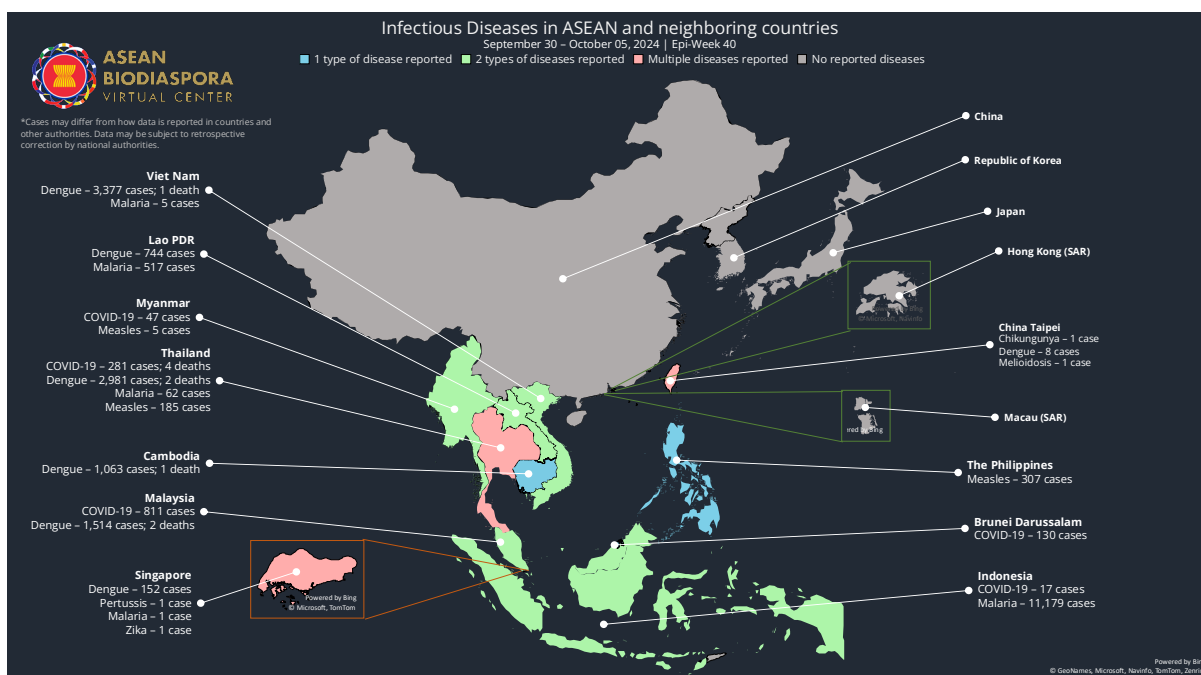
- New South Wales, Australia, reported 433 confirmed mpox cases since June 1, the largest outbreak since May 2022. While in Pakistan, however, three cases were detected in passengers from Saudi Arabia arriving at Karachi Airport.
- Dengue cases are on the rise across South Asia, with Bangladesh, India, and Pakistan reporting increases in cases, prompting authorities to urge citizens to adopt preventive measures.
- Mumbai, India, experienced a surge in monsoon-related diseases in September, with 1,013 cases of malaria reported.
- A human case of Middle East respiratory syndrome coronavirus (MERS-CoV) was reported in Saudi Arabia. The country has reported five cases, including four deaths this year.
- Polio cases have surged in Afghanistan and Pakistan. In 2024, 20 cases were reported in Afghanistan and 26 in Pakistan.
- Canada has reported its first human rabies death in over fifty years in a child exposed to a bat in Brantford, Ontario. Minnesota, USA, is also investigating a death of human rabies in a 65-year-old man exposed to a bat.

ASEAN Region

- New cases of COVID-19 are reported in Brunei Darussalam, Indonesia, Malaysia, Myanmar, and Thailand.
- Dengue cases surged across several ASEAN member states (Cambodia, Lao PDR, Malaysia, Singapore, Thailand, and Viet Nam), underscoring the urgent need for mosquito control and public health interventions across the region.
- The Philippines reported 117,372 cases of influenza-like illness (ILI) as of September 14, a decline from last year. The Department of Health is accelerating flu vaccine procurement and promoting preventive measures.
- Indonesia, Lao PDR, Singapore, Thailand, and Viet Nam reported new malaria cases, prompting efforts to strengthen malaria cadres and prioritize treatment for pregnant women due to high risk.
- Myanmar, the Philippines, and Thailand are continually reporting new measles cases, prompting calls for increased public awareness.
- The Philippines has seen a 23% increase in rabies cases compared to 2023, with 354 cases recorded this year, while Sarawak, Malaysia, reported six human rabies cases so far this year.

Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 40 | September 29 – October 05, 2024

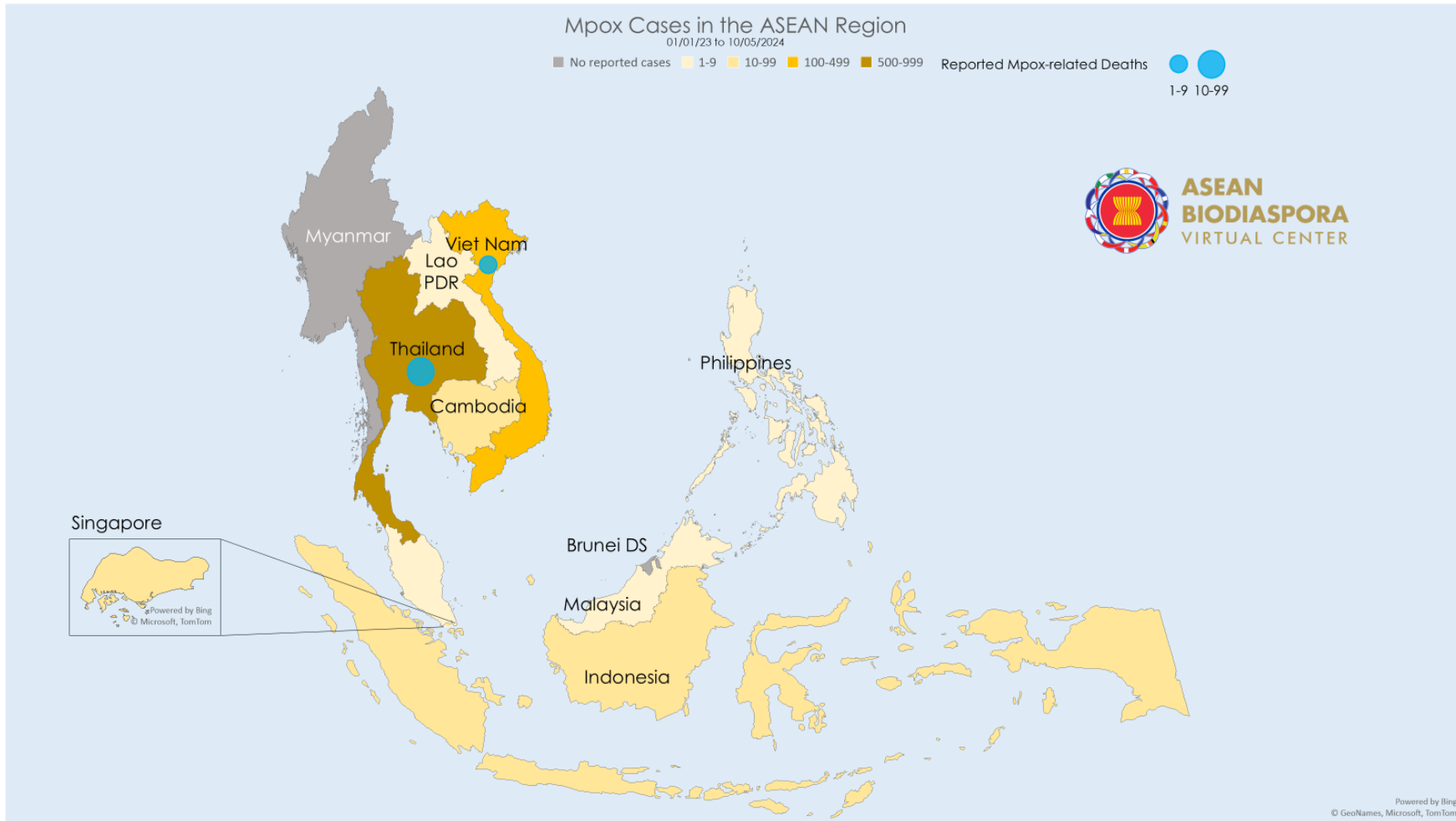


Source: AMS Official Sources, [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on October 08, 2024

EMERGING DISEASES

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – October 05, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. EBS Bluedot (Accessed on October 08, 2024)
3. Ministry of Health Singapore, accessed October 08, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>



Mpox: Highlights and Situation Overview

- From 1 January 2023 to 5 October 2024, **24,493** confirmed cases worldwide since 2023, including **179** deaths. Globally, the CFR was **0.73 %**.
- **1,200 confirmed cases** including **18 deaths** in the **ASEAN** region, with a CFR of **1.50%**.
- **23,293 confirmed cases** of mpox have been reported in **other regions** (other than the **ASEAN** region):

Mpox cases in the ASEAN region (Jan. 1, 2023 to Oct. 05, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023-2024	CFR
Cambodia¹	20	0	0	0.00%
Indonesia²	87	0	0	0.00%
Lao PDR³	1	0	0	0.00%
Malaysia³	10	0	0	0.00%
Philippines⁴	13	0	0	0.00%
Singapore⁵	47	0	0	0.00%
Thailand³	821	0	10	1.22%
Vietnam³	201	0	8	3.98%
ASEAN Total	1,200	0	18	1.50%

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. IBS Bluedot (Accessed on October 08, 2024), (<https://portal.bluedot.org/>)
4. Department of Health Philippines
5. Ministry of Health Singapore, accessed October 08, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)

Top 5 countries with the most mpox cases globally (Jan. 1, 2023 to Oct. 05, 2024)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	6,365	0	27	0.42%
United States of America	3,762	0	9	0.24%
People's Republic of China	2,586	0	1	0.04%
Brazil	1,567	0	2	0.13%
Thailand	821	0	10	1.22%

Source: Our World in Data, accessed on October 08, 2024 (<https://ourworldindata.org/monkeypox>)

Mpox cases per region (Jan. 1, 2023 to Oct. 05, 2024)

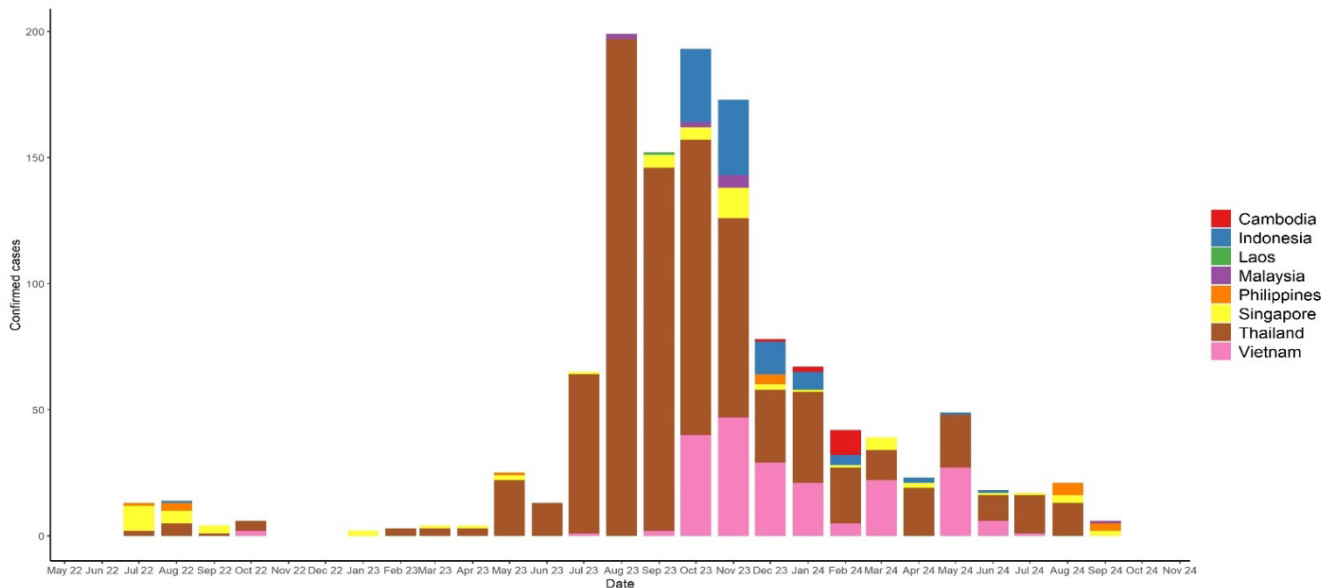
REGIONS	CUMULATIVE CASES 2023-2024	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	7,398	0	39	0.53%
AMERICAS	8,042	0	96	1.19%
ASEAN	1,200	0	18	1.50%
ASIA & OCEANIA	5,652	0	21	0.37%
EUROPE	2,201	0	5	0.23%
TOTAL	24,493	0	179	0.73%

Source: Our World in Data, accessed on October 01, 2024 (<https://ourworldindata.org/monkeypox>)



Trend of Mpox Confirmed Cases in the ASEAN Region

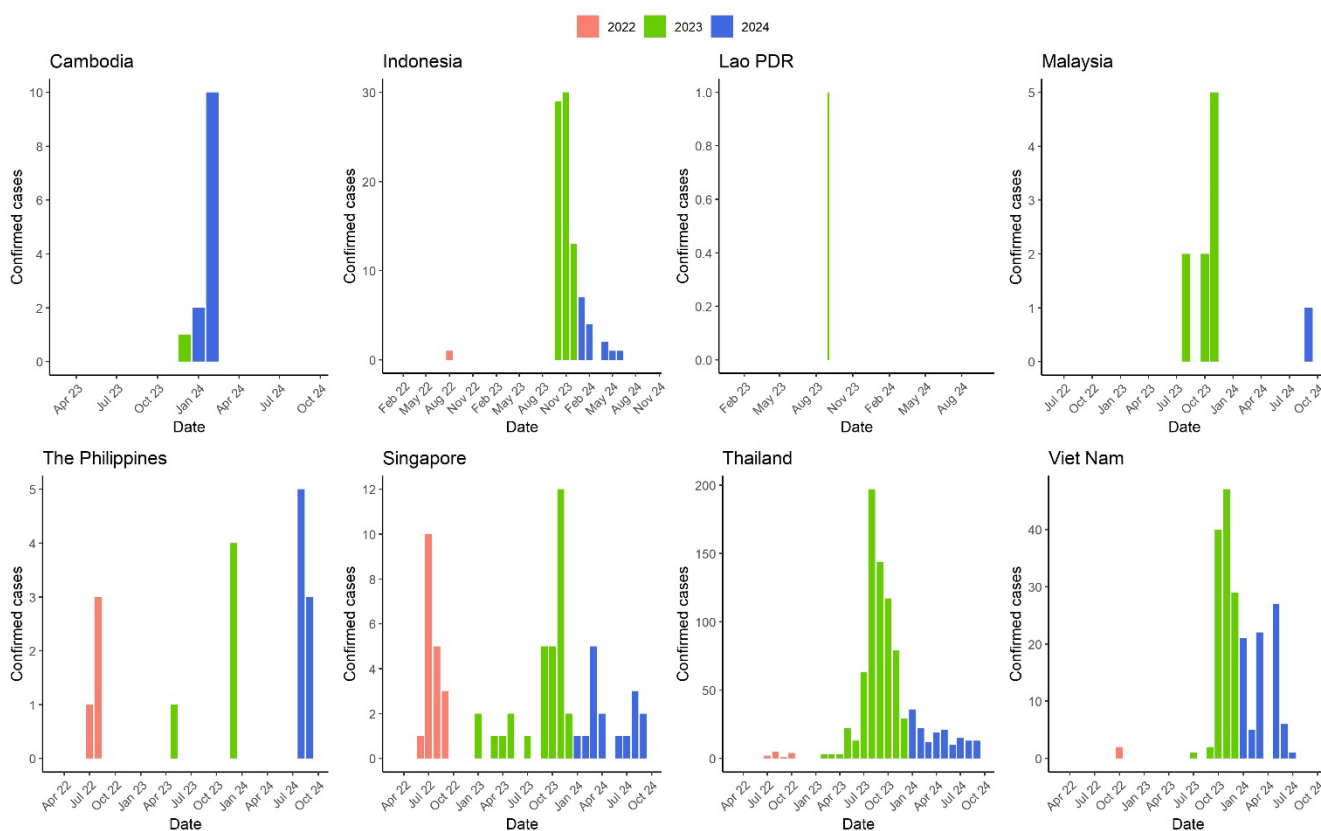
January 1, 2022 to October 05, 2024



Source: Our World in Data, accessed on October 08, 2024 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases among ASEAN Member States

January 1, 2022 to October 05, 2024



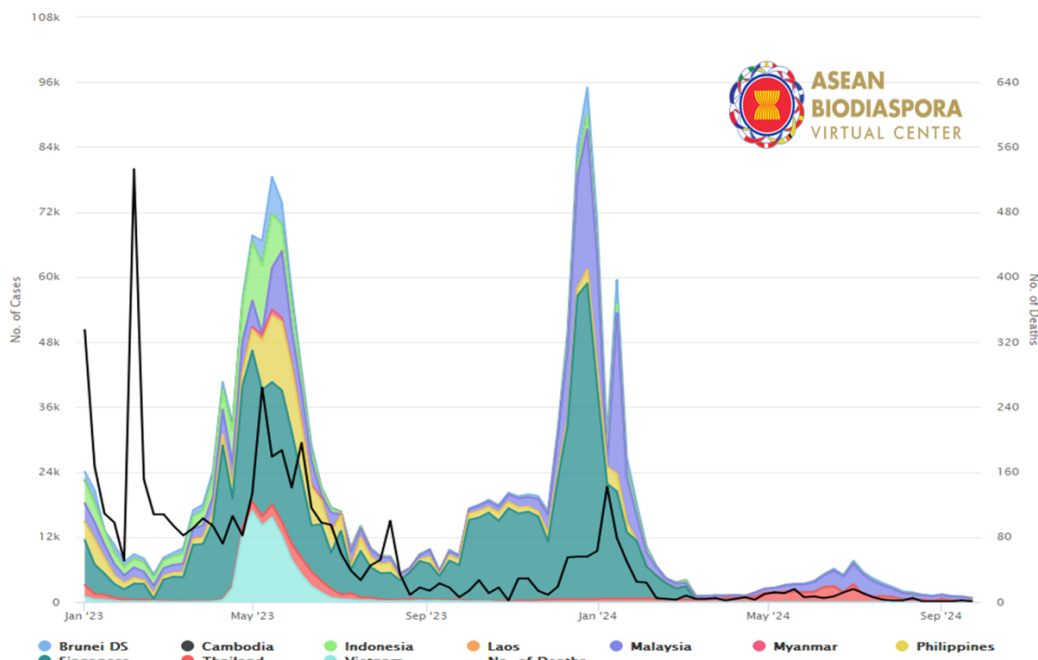
Source: Our World in Data, accessed on October 08, 2024 (<https://ourworldindata.org/monkeypox>)

COVID-19: Highlights and Situation Overview

- As of 5 October 2024 (5PM, GMT+7), there were **704,825,005** confirmed cases **worldwide**, including **7,010,817 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **37,069,417 total confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **1.00%**.

ASEAN Weekly COVID-19 Cases and Deaths

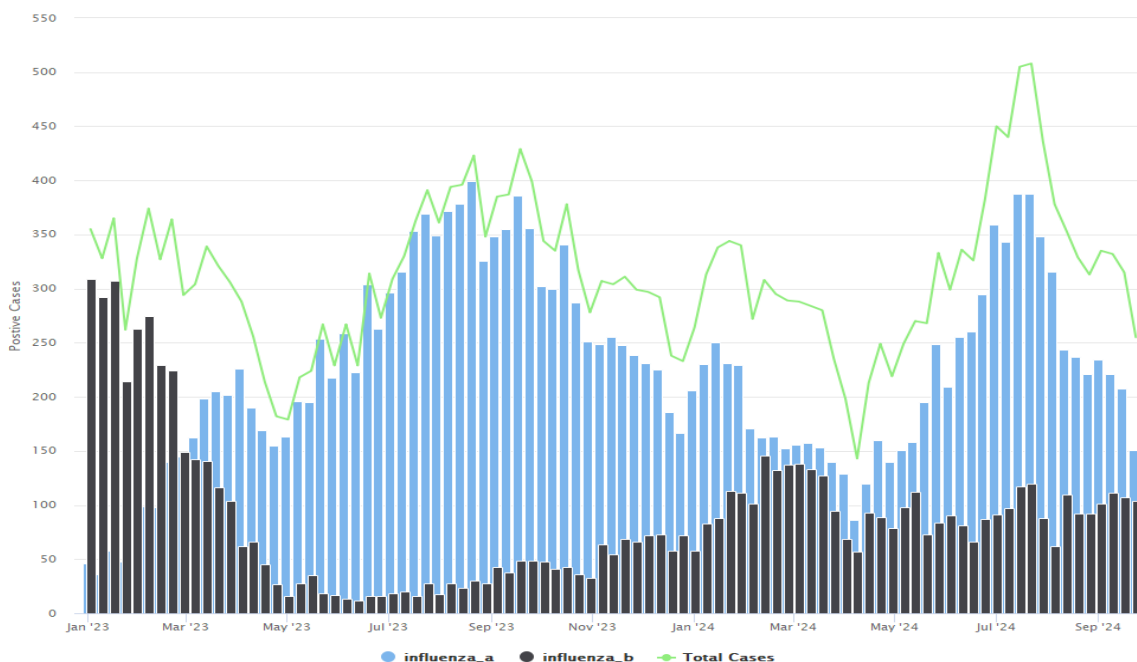
From January 1, 2023 to October 05, 2024



Source: [Singapore Government and the WHO](#), accessed on October 08, 2024

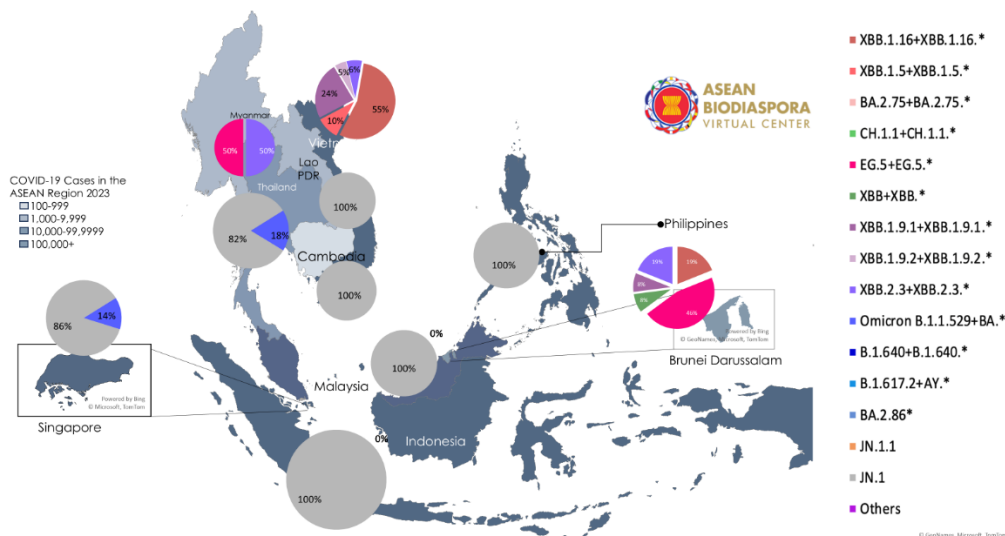
Trends of Influenza Confirmed Cases in the ASEAN region

From January 1, 2023 to October 05, 2024



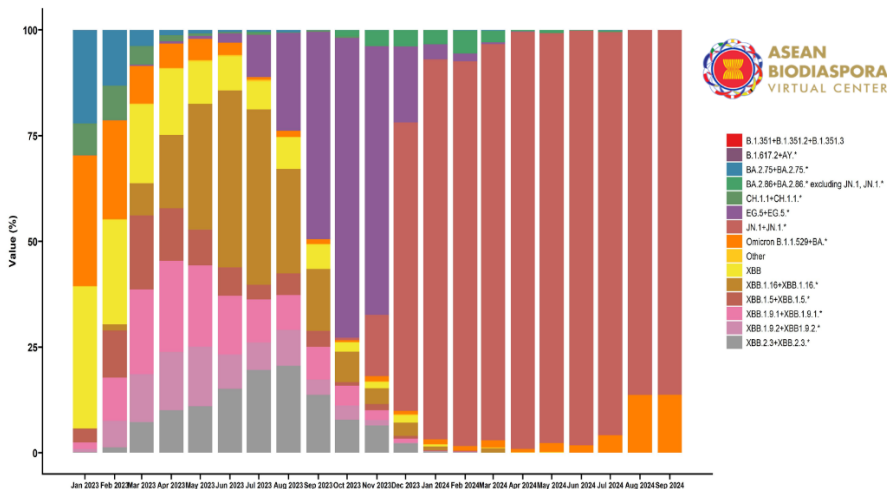
Source: FluNet, accessed on October 08, 2024 (<https://www.who.int/tools/fluNet>)

COVID-19 Variants Frequencies Among the ASEAN Member States In September 2024



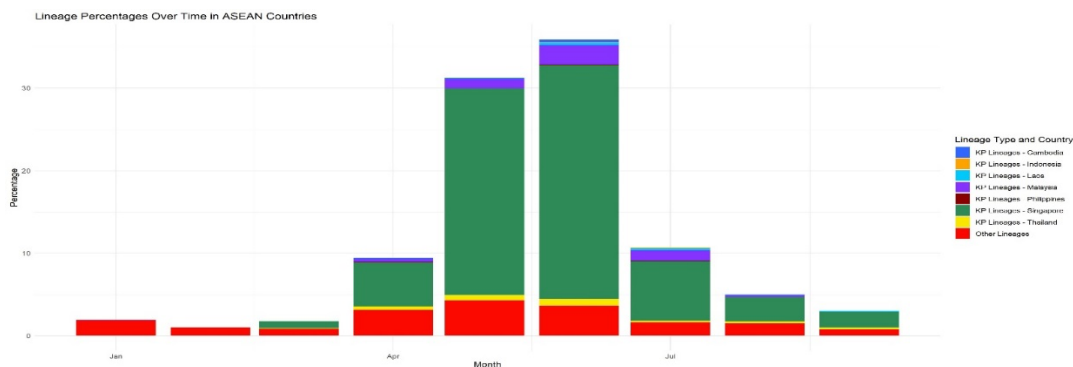
Source: GISAID. "hCoV-19 Variants Dashboard," accessed October 08, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 Variants Frequencies in the ASEAN Region From January 2023 to September 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed October 08, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 "KP" Sub-Variant detected in the ASEAN region From January 2024 to September 2024

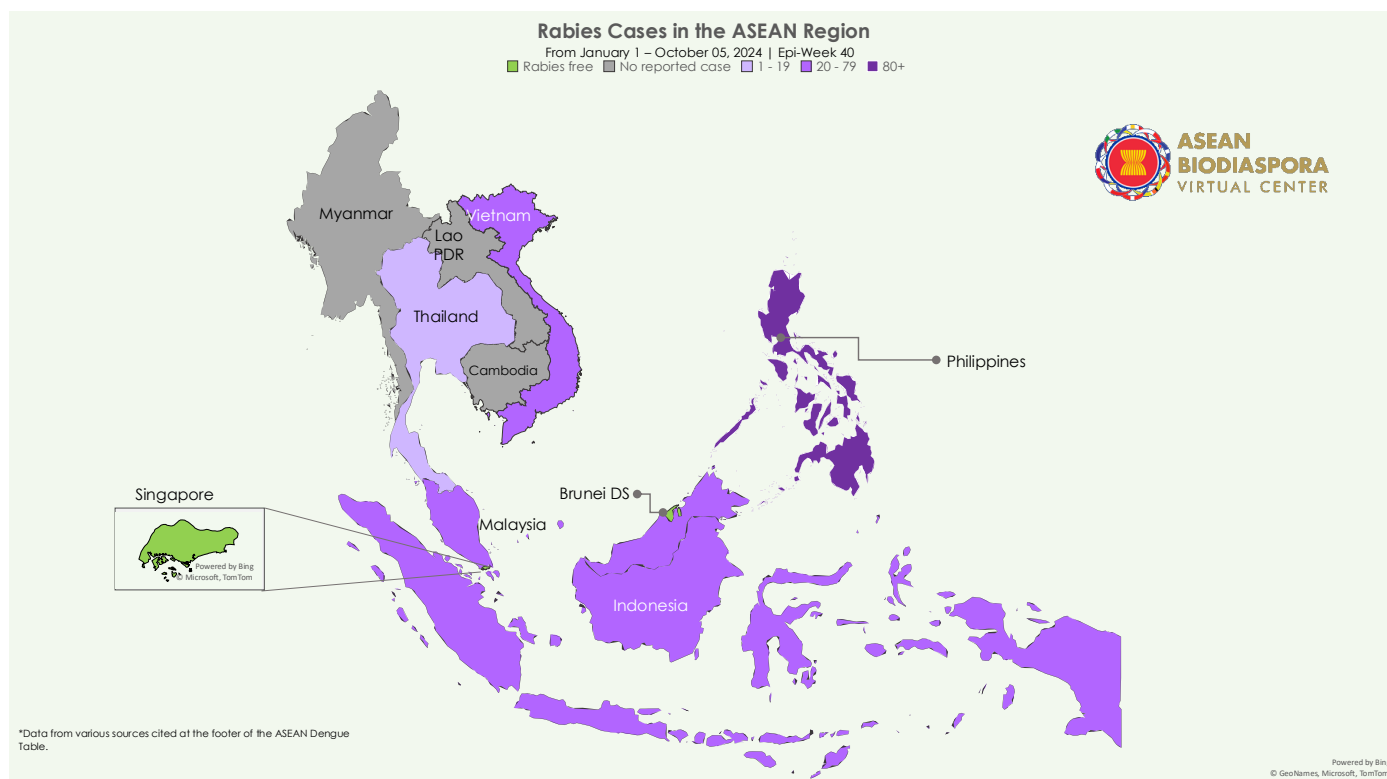


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on October 08, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1 to October 05, 2024 (Epi-Week 40)



Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Brunei Darussalam			Rabies-free country		
Cambodia	-	-	-	-	-
Indonesia¹	Week 27	78	-	78	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 24	79	-	79	100%
Myanmar	-	-	-	-	-
Philippines²	Week 39	354	-	354	100%
Singapore			Rabies-free country		
Thailand³	Week 37	5	0	5	100%
Viet Nam²	Week 37	56	-	56	100%
Total		572	0	572	100%

Source:

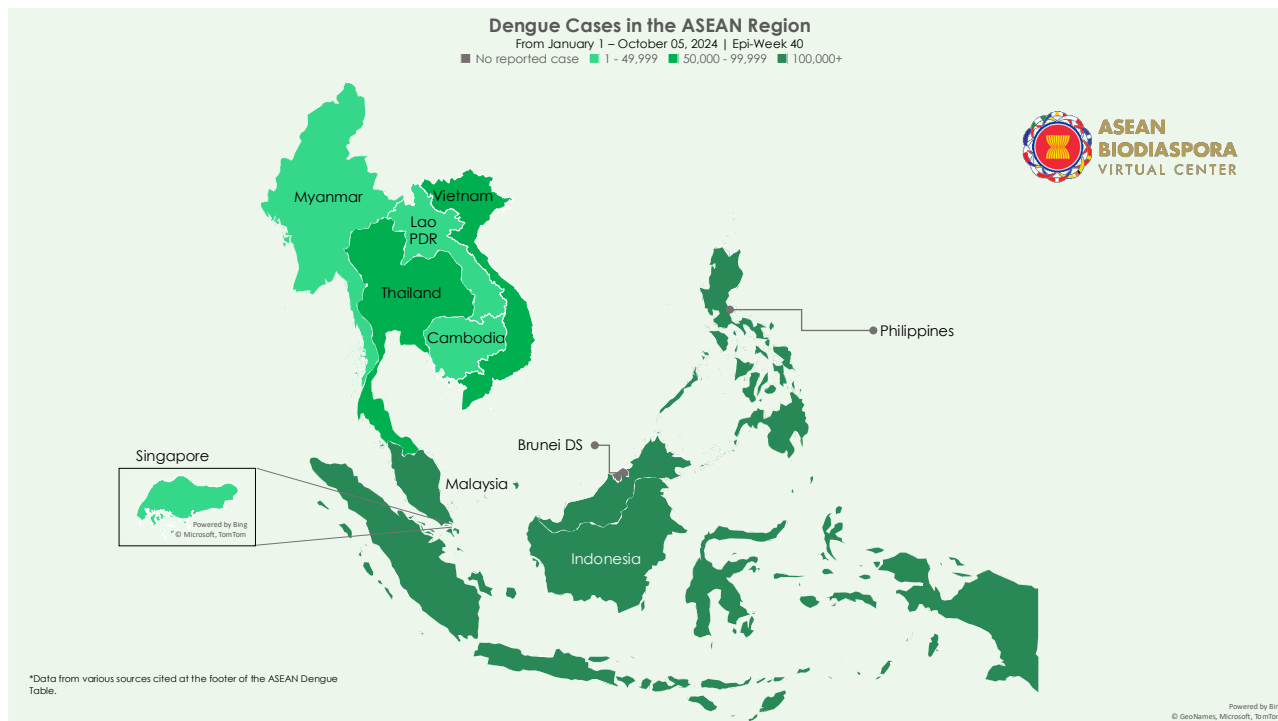
1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed October 08, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 08, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **NO** new rabies cases since the previous report. The region reported **572** total cases with **100%** CFR.

VECTOR-BORNE DISEASES

Dengue Cases in the ASEAN Region

From January 1 to October 05, 2024 (Epi-Week 40)



Dengue cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-
Cambodia¹	Week 38	13,752	1,063	37	1	0.27%
Indonesia^{2*}	Week 36	190,561	-	1,141	-	0.60%
Lao PDR¹	Week 38	15,090	744	-	-	0.00%
Malaysia¹	Week 38	101,750	1,514	91	2	0.09%
Myanmar³	Week 27	1,309	-	3	-	0.23%
Philippines³	Week 38	208,965	-	546	-	0.26%
Singapore^{4**}	Week 39	12,219	152	-	-	0.00%
Thailand^{5***}	Week 38	83,911	2,981	65	2	0.08%
Viet Nam¹	Week 38	76,838	3,377	12	1	0.02%
Total		704,395	9,831	1,895	6	0.27%

Source:

1. WHO WPRO, "Dengue," World Health Organization, accessed October 08, 2024 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
2. Ministry of Health, Republic of Indonesia
3. Bluedot Developer Portal, accessed October 08, 2024, (<https://developer-portal.bluedot.global/>).
4. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed October 08, 2024. (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>)
5. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 08, 2024, (<http://doe.moph.go.th/surdata/index.php>)

- Data were updated and collected from official sources, which may have a 2-8 weeks delay in reporting. Data must be interpreted cautiously.

*Notified dengue cases only includes severe cases Dengue Hemorrhagic fever (DHF) and Dengue Shock Syndrome (DSS)

**Notified dengue cases only includes Dengue Fever (DF) and DHF

- The **ASEAN** region reported **9,831** new dengue cases since the previous report. The region reported **704,395** total cases with **0.27%** CFR.

Malaria Cases in the ASEAN Region

From January 1 to October 05, 2024 (Epi-Week 40)



Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia¹	Week 40	338,259	11,179	65	0.02%
Lao PDR²	Week 40	16,458	517	10	0.06%
Malaysia³	Week 30	24	-	-	0.00%
Myanmar	-	-	-	-	-
Philippines³	Week 6	2	-	-	0.00%
Singapore⁴	Week 39	19	1	0	0.00%
Thailand⁵	Week 38	3,577	62	1	0.03%
Viet Nam³	Week 40	165	5	-	0.00%
Total		358,504	11,764	76	0.02%

Source:

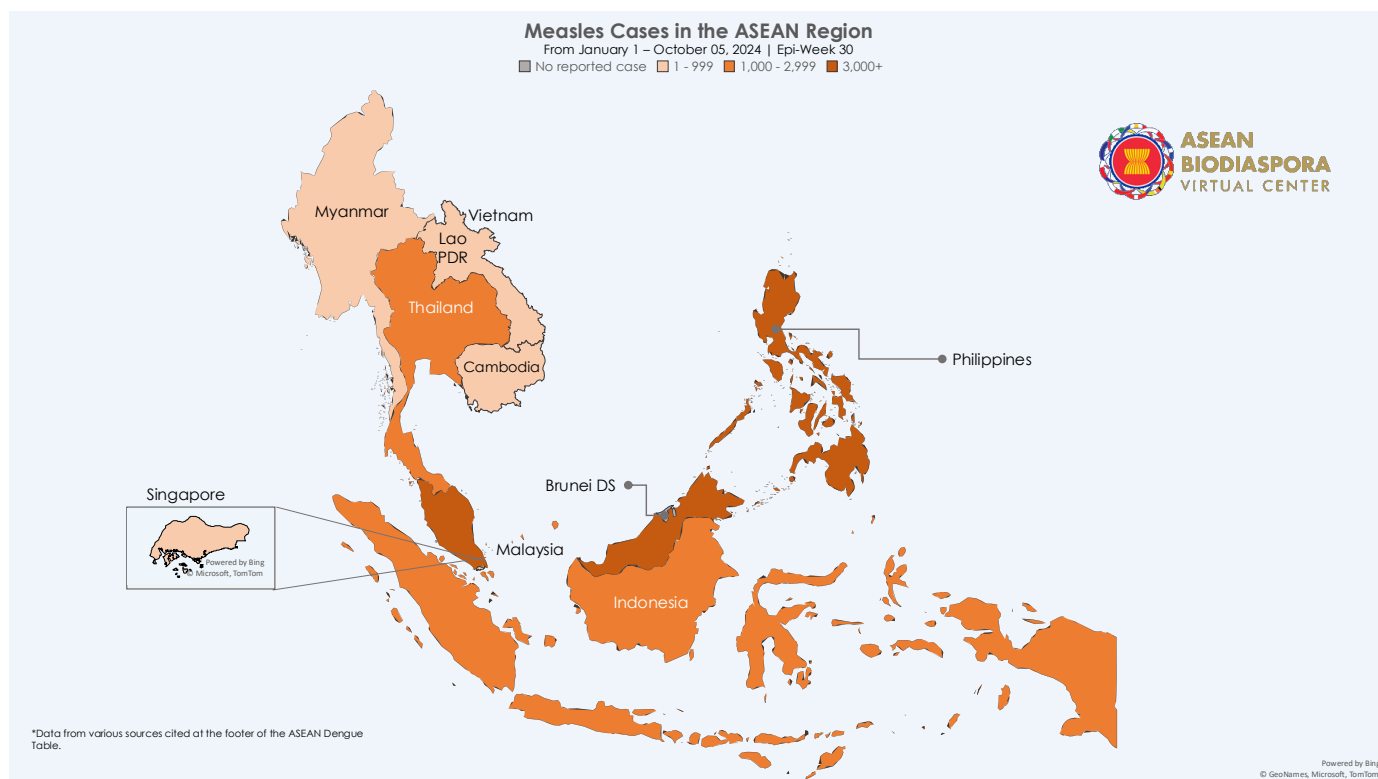
1. Malaria Cases in Indonesia, accessed October 08, 2024 (<https://malaria.kemkes.go.id/case>)
2. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed October 08, 2024 (<https://www.facebook.com/CEH.MoH.Lao/>)
3. Bluedot Platform, accessed October 08, 2024 (<https://portal.bluedot.global/>)
4. Ministry of Health Singapore, accessed October 08, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>)
5. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 08, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **11,764** new malaria cases since the previous report. The region reported **358,504** total cases with **0.02%** CFR.

VACCINE-PREVENTABLE DISEASES

Measles Cases in the ASEAN Region

From January 1 to October 05, 2024 (Epi-Week 40)



Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia ¹	Week 27	4	-	0	0.00%
Indonesia ²	Week 35	1,410	-	0	0.00%
Lao PDR ¹	Week 31	1	-	0	0.00%
Malaysia ¹	Week 31	2,647	-	0	0.00%
Myanmar ¹	Week 35	28	5	0	0.00%
Philippines ¹	Week 31	3,346	307	3	0.09%
Singapore ³	Week 39	8	-	0	0.00%
Thailand ⁴	Week 38	3,326	185	1	0.03%
Viet Nam ⁵	Week 38	2,000	-	3	0.15%
Total		12,770	497	7	0.05%

Source:

1. Provisional Measles and Rubella Data, World Health Organization, accessed October 08, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
2. Ministry of Health, Republic of Indonesia
3. Ministry of Health Singapore, accessed October 08, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 08, 2024 (<http://doe.moph.go.th/surdata/index.php>)
5. Bluedot Platform, accessed October 08, 2024 (<https://developer-portal.bluedot.global/>)

- The **ASEAN** region reported **497** new measles cases since the previous report. The region reported **12,770** total cases with **0.05%** CFR.



Annex 1. Infectious Diseases in the ASEAN Region – Summary Table

Epidemiological Week 40 | From January 1 to October 05, 2024

Infectious Diseases	COVID-19			Mpox			Rabies		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	87,167	77	0.09%	-	-	-	Rabies-free Country		
Cambodia	886	-	0.00%	20	0	0.00%	-	-	-
Indonesia	118,167	1,454	1.23%	87	0	0.00%	78	78	100%
Lao PDR	1,474	87	5.90%	1	0	0.00%	-	-	-
Malaysia	295,562	494	0.17%	10	0	0.00%	79	79	100%
Myanmar	9,474	5	0.05%	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	13	0	0.00%	354	354	100%
Singapore	819,481	313	0.04%	47	0	0.00%	Rabies-free Country		
Thailand	82,618	1,061	1.29%	821	10	1.21%	5	5	100%
Viet Nam	101,828	20	0.02%	201	8	3.98%	57	57	100%
ASEAN Region	1,658,028	4,978	0.30%	1,200	18	1.50%	573	573	100%

Infectious Diseases	Dengue			Malaria			Measles		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	12,689	36	0.28%	-	-	-	83	0	0%
Indonesia	190,561	1,141	0.60%	327,080	61	0.02%	1,410	0	0%
Lao PDR	13,802	0	0.00%	15,941	10	0.06%	40	0	0%
Malaysia	98,442	89	0.09%	24	0	0%	3,364	0	0%
Myanmar	1,309	3	0.23%	-	-	-	23	0	0%
Philippines	208,965	546	0.26%	2	0	0%	3,039	3	0.10%
Singapore	12,067	-	0.00%	18	0	0%	8	0	0%
Thailand	80,930	63	0.08%	3,515	1	0.03%	3,326	1	0.03%
Viet Nam	71,300	11	0.02%	160	0	0%	2,000	3	0.15%
ASEAN Region	690,065	1,889	0.27%	346,740	72	0.02%	13,293	7	0.05%