



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

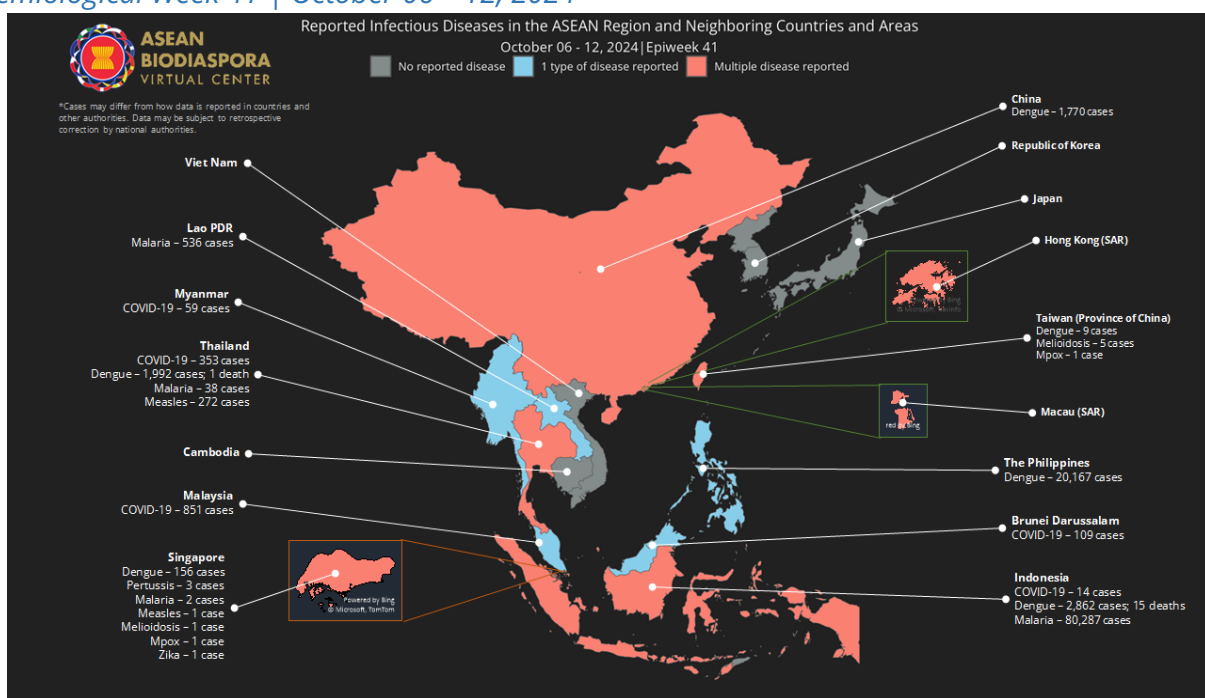
Global

- Argentina reported 70 new cases of mpox in 2024, with a total of 1,219 confirmed cases and two deaths since May 2022. Londrina, Brazil, confirmed two new mpox cases, bringing the total for the year to 21. Zambia reported its first case of mpox, a clade 1b variant, prompting contact tracing effort.
- The US CDC confirmed two unrelated human H5 avian influenza cases in California, both involving occupational exposure to infected dairy cows.
- Indore, Madhya Pradesh, India, has detected 20 cases of chikungunya, exceeding the previous year's total.
- COVID-19 cases in Italy increased by 17% to 13,073, while deaths decreased by 24% to 85. In Ohio, US, cases decreased for the fourth consecutive week to 2,921, with 505,468 residents receiving the updated vaccine.
- Dengue remains a concern in South Asia, with Bangladesh, India, Nepal, Pakistan and Sri Lanka reporting new cases and deaths.
- Measles outbreaks in Tatarstan, Saratov Oblast, and Khakassia, Russia, have led to 96 cases, with 51 among children. Despite efforts, vaccination coverage remains low at 64.7%.
- Newfoundland and Labrador (NL) Province, Canada, is facing a whooping cough outbreak with 263 cases, prompting health officials to encourage vaccinations. Clark County, US, has reported 288 whooping cough cases this year, the highest in six years, primarily affecting children aged 5 and under.

ASEAN Region

- Ho Chi Minh City, Vietnam, reported a 37.3% increase in hand, foot, and mouth disease (HFMD) cases, with 420 recorded last week and a total of 12,252 cases in 2024,
- The Philippines reported 5,321 HIV cases from April to June 2024, while Indonesia's Yapen Islands, Papua Province, recorded 1,904 cases and Vietnam's Ha Tinh province reported 1,250 cases by September 2024. Awareness and treatment quality improvement efforts are underway.
- Thailand reported at least 2,926 leptospirosis cases this year, primarily among farmers, with deaths often linked to delayed medical treatment.
- Ho Chi Minh City, Viet Nam, confirmed 458 cases of measles in 2024, with vaccination rates over 95%. Health officials urge local committees to identify and vaccinate mobile children to prevent missed cases.
- From January to September 2024, Thailand reported 2,881 melioidosis cases, resulting in 90 deaths.

Reported Infectious Diseases in the ASEAN Region and Neighboring Countries Epidemiological Week 41 | October 06 - 12, 2024

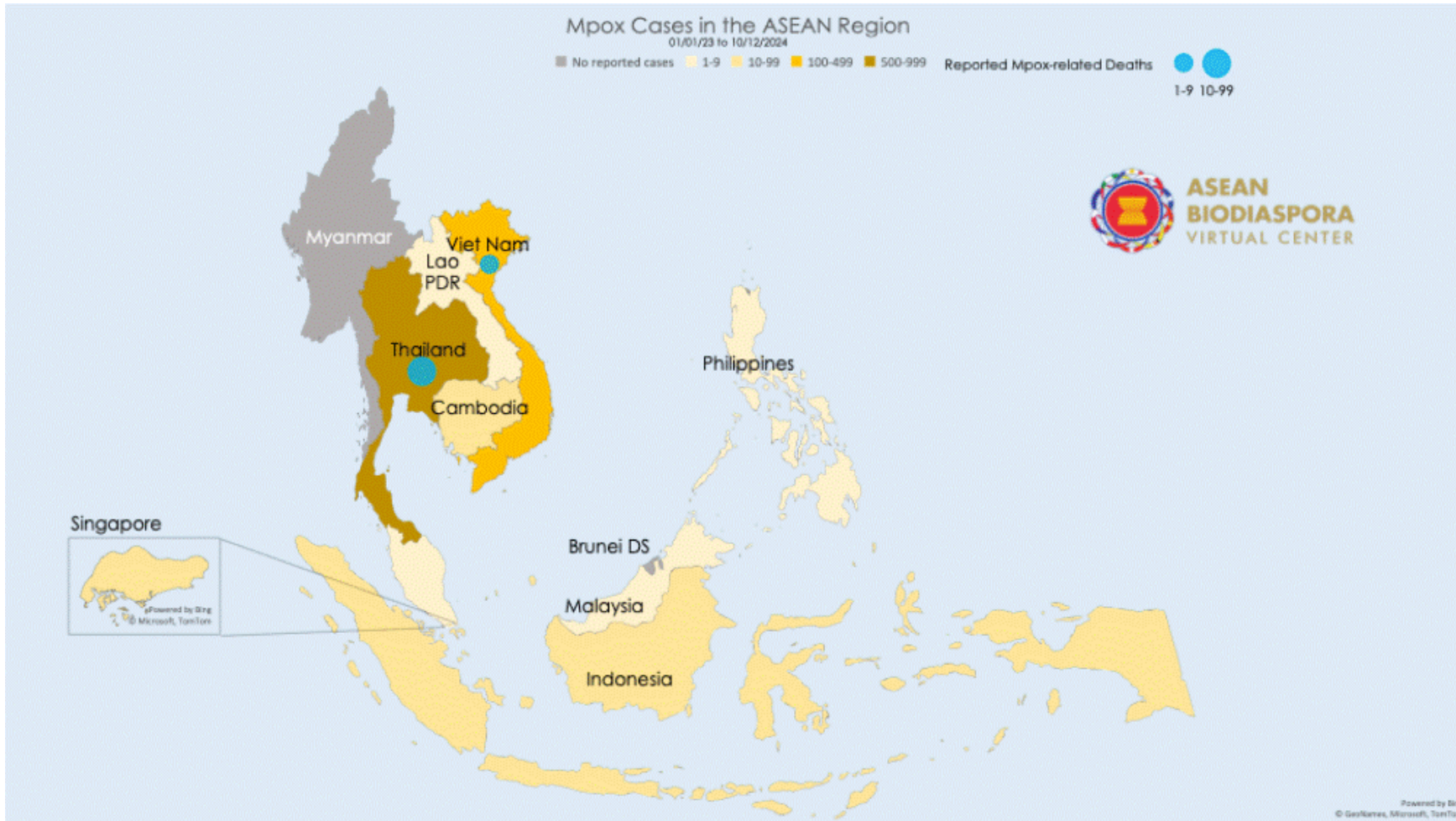


Source: AMS Official Sources, [WHO, Our World in Data](#), and [Bluedot Platform](#), accessed on October 15, 2024

EMERGING DISEASES

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – October 12, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. EBS Bluedot (Accessed on October 15, 2024)
3. Ministry of Health Singapore, accessed October 15, 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 12 October 2024, **24,494** 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. 12, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023-2024	CFR
Cambodia ¹	20	0	0	0.00%
Indonesia ²	87	0	0	0.00%
Lao PDR ³	1	0	0	0.00%
Malaysia ³	10	0	0	0.00%
Philippines ⁴	13	0	0	0.00%
Singapore ⁵	48	1	0	0.00%
Thailand ³	821	0	10	1.22%
Vietnam ³	201	0	8	3.98%
ASEAN Total	1,201	1	18	1.50%

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. IBS Bluedot (Accessed on October 15, 2024), (<https://portal.bluedot.org/>)
4. Department of Health Philippines
5. Ministry of Health Singapore, accessed October 15, 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. 12, 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 15, 2024 (<https://ourworldindata.org/monkeypox>)

Mpox cases per region (Jan. 1, 2023 to Oct. 12, 2024)

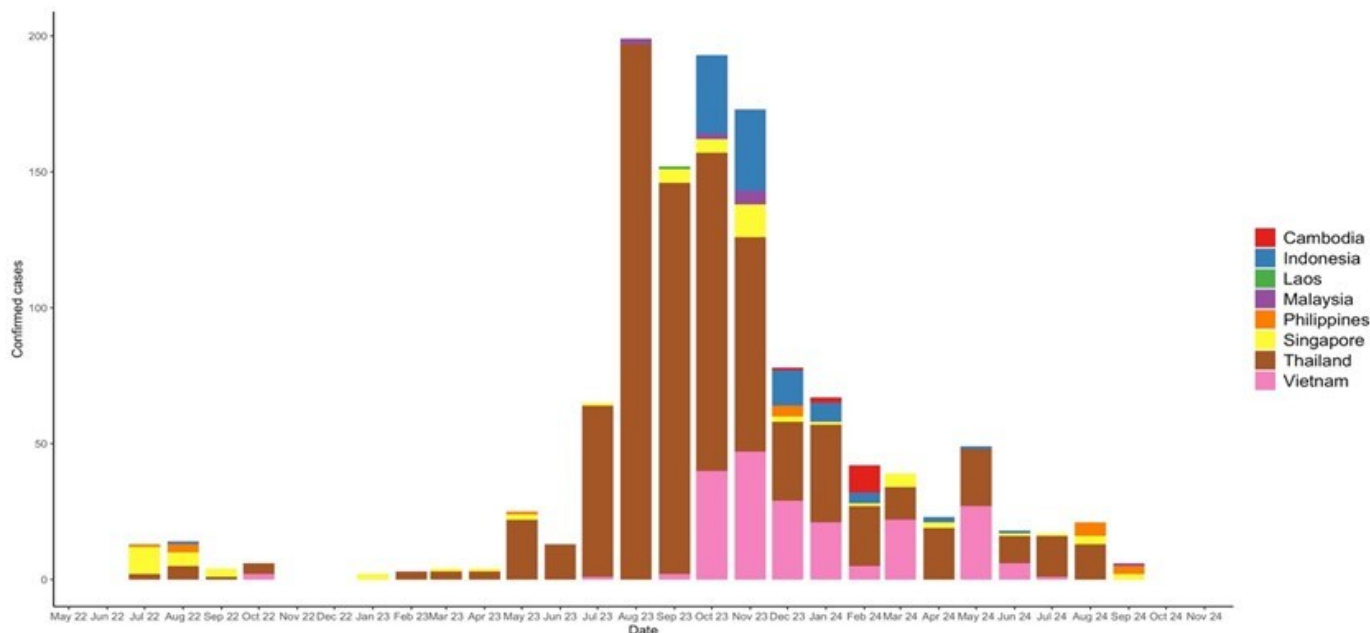
REGIONS	CUMULATIVE CASES 2023-2024	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	7,398	0	39	0.53%
AMERICAS	8,042	0	96	1.19%
ASEAN	1,201	1	18	1.50%
ASIA & OCEANIA	5,652	0	21	0.37%
EUROPE	2,201	0	5	0.23%
TOTAL	24,494	0	179	0.73%

Source: Our World in Data, accessed on October 15, 2024 (<https://ourworldindata.org/monkeypox>)



Trend of Mpox Confirmed Cases in the ASEAN Region

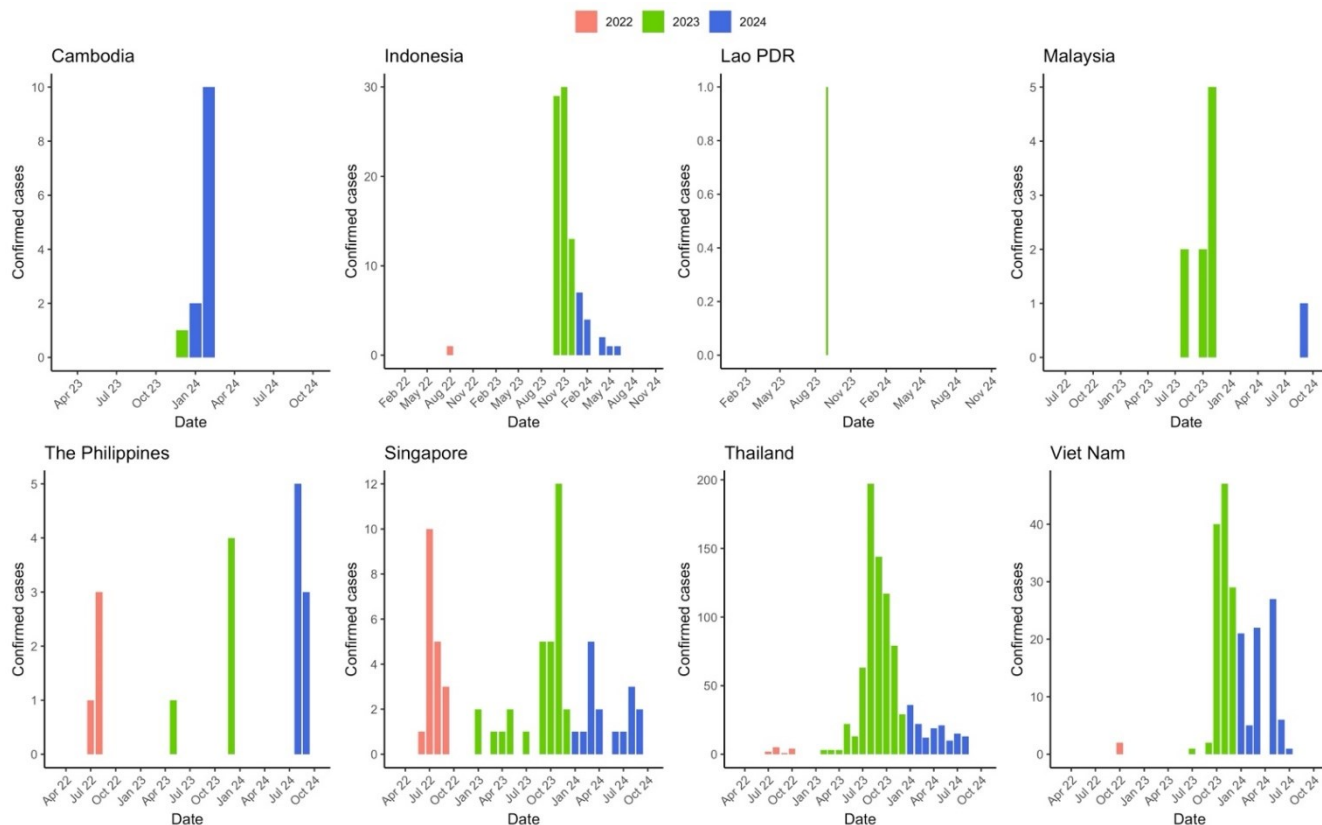
January 1, 2022 to October 12, 2024



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 12, 2024



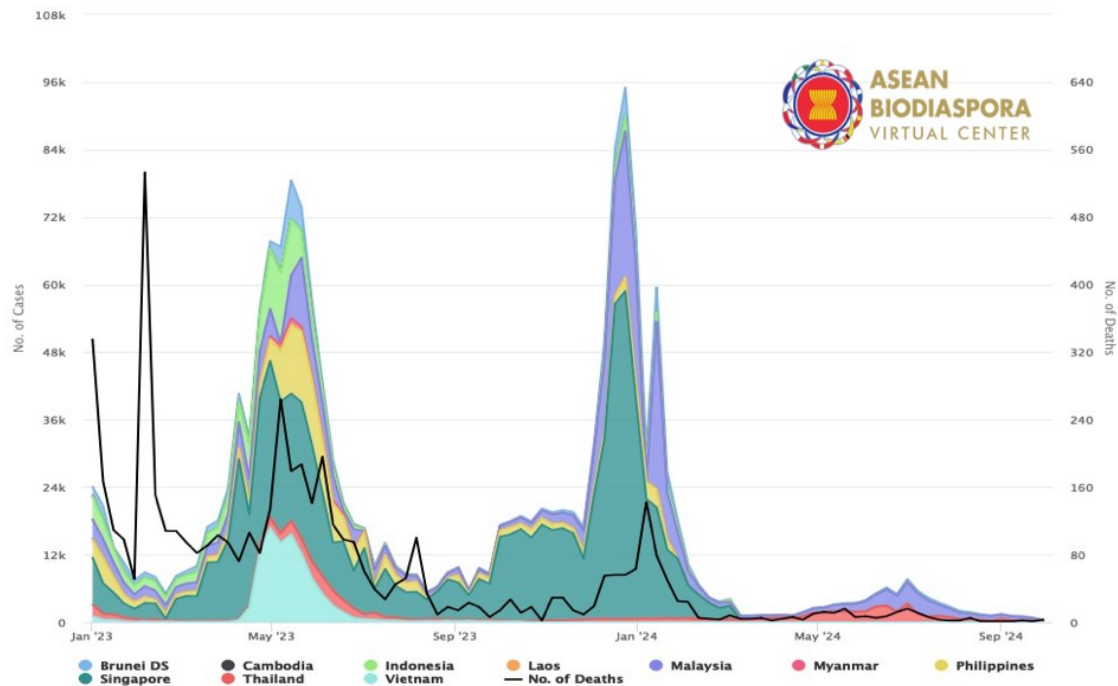
Source: Our World in Data, accessed on October 15, 2024 (<https://ourworldindata.org/monkeypox>)

COVID-19: Highlights and Situation Overview

- As of 12 October 2024 (5PM, GMT+7), there were **704,826,391** confirmed cases **worldwide**, including **7,010,817 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **37,070,803 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

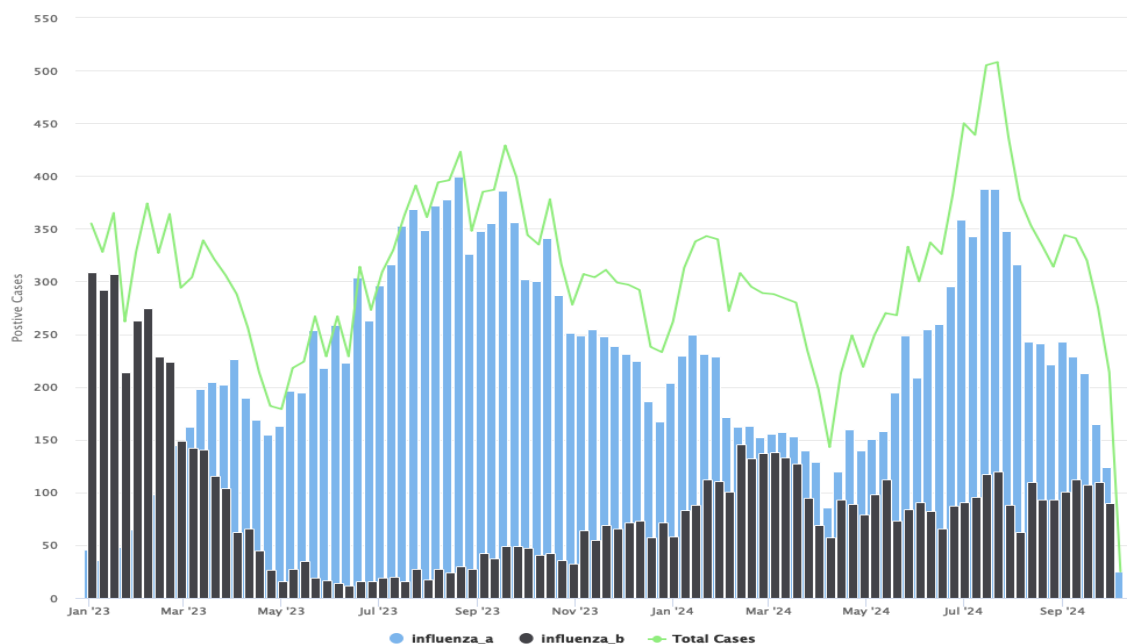
From January 1, 2023 to October 12, 2024



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

Trends of Influenza Confirmed Cases in the ASEAN region

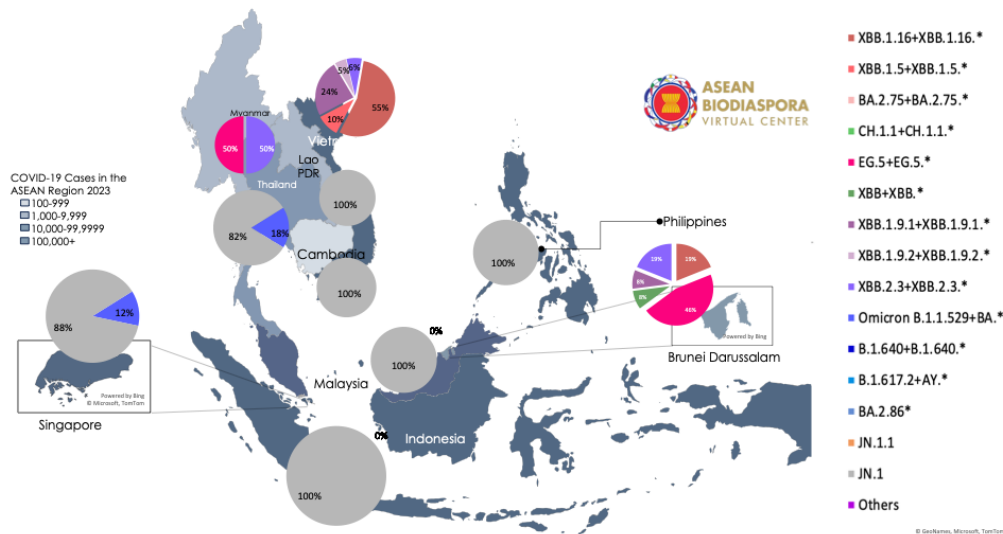
From January 1, 2023 to October 12, 2024



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

COVID-19 Variants Frequencies Among the ASEAN Member States

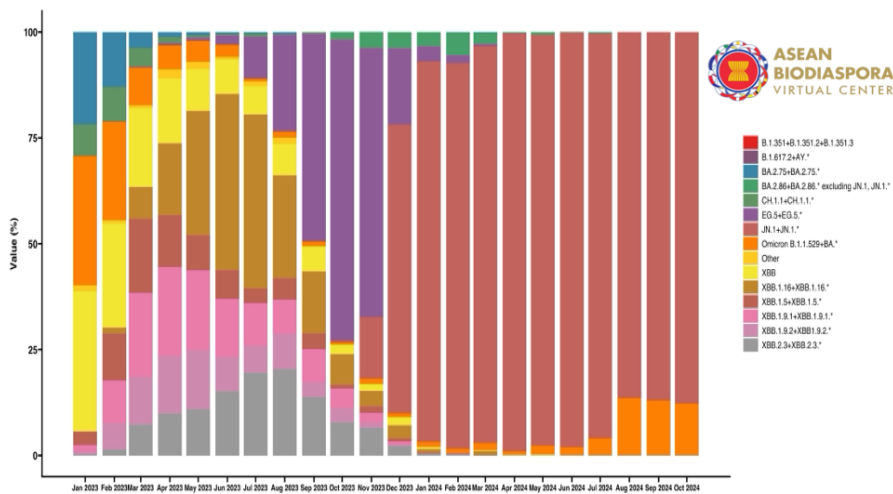
In October 2024



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

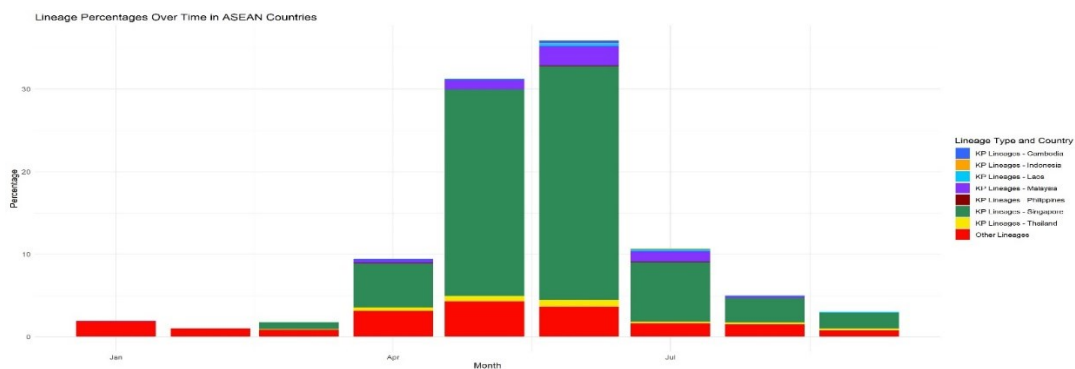
From January 2023 to October 2024



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 October 2024

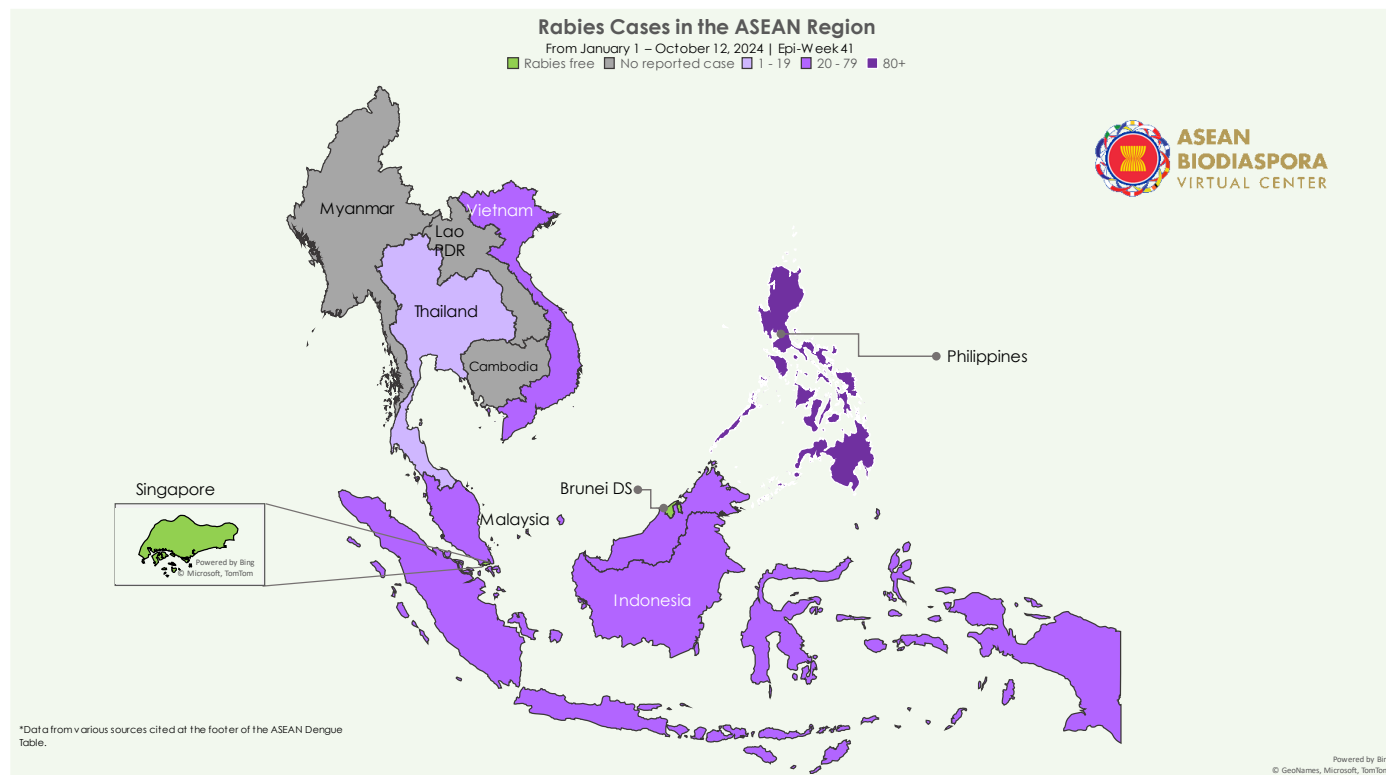


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on October 08, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1 to October 12, 2024 (Epi-Week 41)



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 39	5	0	5	100%
Viet Nam²	Week 37	56	-	56	100%
Total		572	0	572	100%

Source:

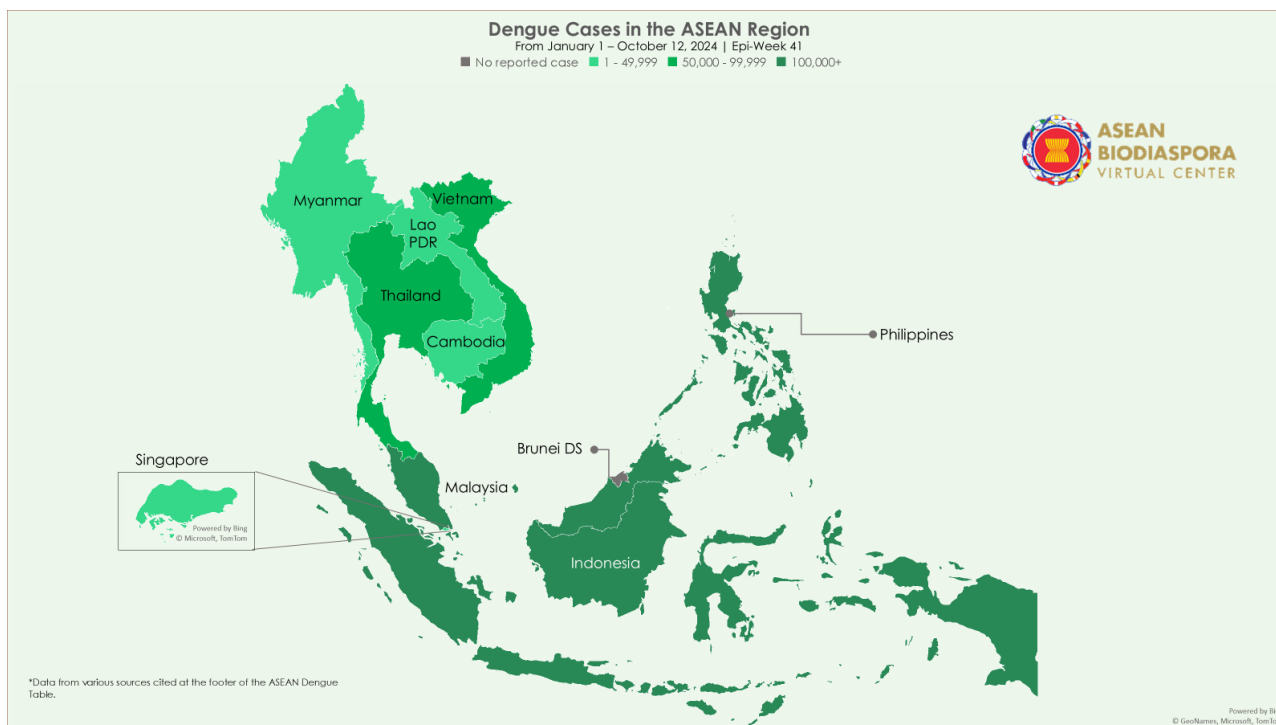
1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed October 08, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 08, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- 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 12, 2024 (Epi-Week 41)



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	-	37	-	0.27%
Indonesia^{2*}	Week 40	202,012	2,862	1,202	15	0.60%
Lao PDR¹	Week 38	15,090	-	0	-	0.00%
Malaysia¹	Week 38	101,750	-	91	-	0.09%
Myanmar³	Week 27	1,309	-	3	-	0.23%
Philippines³	Week 41	269,467	20,167	546	-	0.20%
Singapore^{4**}	Week 40	12,375	156	0	0	0.00%
Thailand^{5***}	Week 39	85,903	1,992	66	1	0.08%
Viet Nam¹	Week 38	76,838	-	12	-	0.02%
Total		778,496	25,177	1,957	16	0.25%

Source:

1. WHO WPRO, "Dengue," World Health Organization, accessed October 15, 2024 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
2. Ministry of Health, Republic of Indonesia
3. Bluedot Developer Portal, accessed October 15, 2024, (<https://developer-portal.bluedot.global/>).
4. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed October 15, 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 15, 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 **25,177** new dengue cases since the previous report. The region reported **778,496** total cases with **0.25%** CFR.

Malaria Cases in the ASEAN Region

From January 1 to October 12, 2024 (Epi-Week 41)



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	Week 41	296	0	0	-
Indonesia¹	Week 41	418,546	80,287	120	0.03%
Lao PDR²	Week 41	16,994	536	11	0.06%
Malaysia³	Week 30	24	-	-	0.00%
Myanmar	-	-	-	-	-
Philippines³	Week 6	2	-	-	0.00%
Singapore⁴	Week 40	21	2	0	0.00%
Thailand⁵	Week 39	3,615	38	1	0.03%
Viet Nam³	Week 40	165	-	-	0.00%
Total		439,663	80,863	132	0.03%

Source:

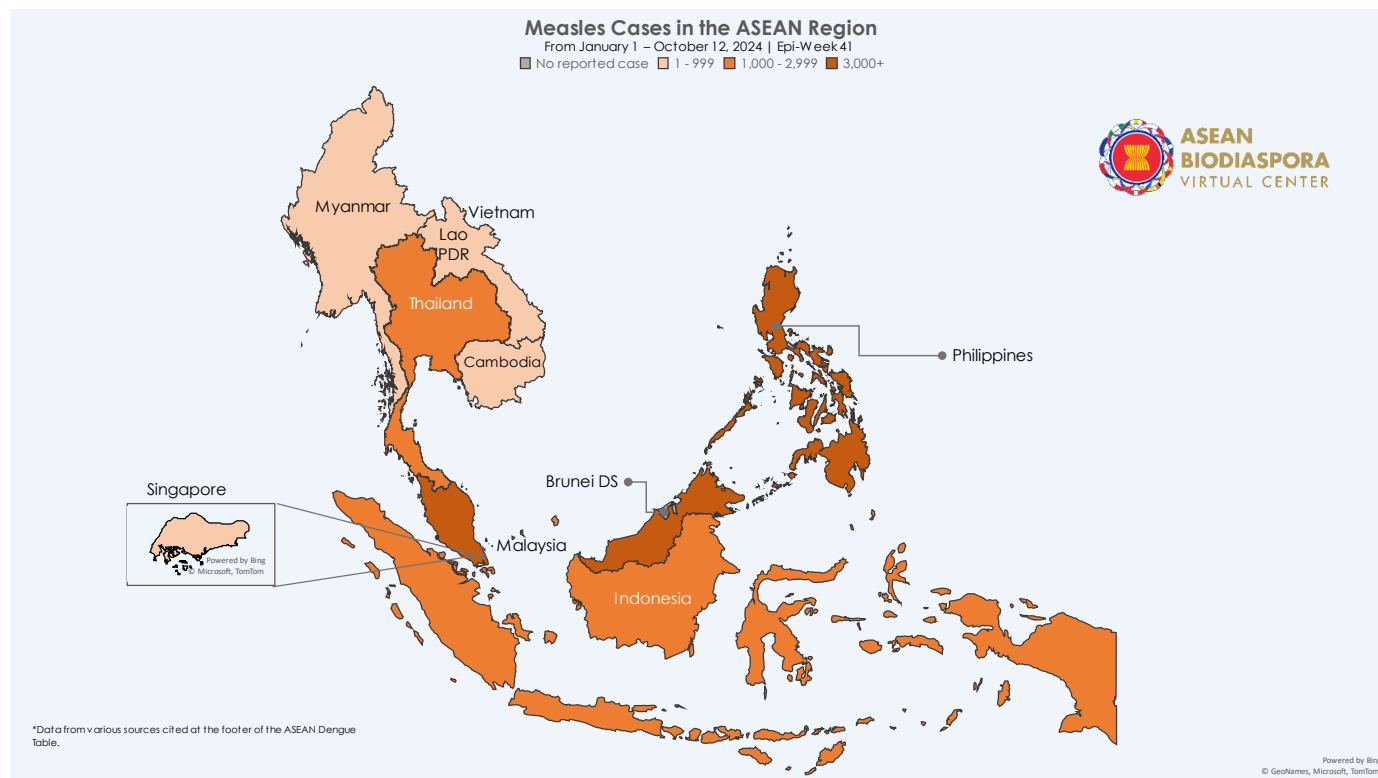
1. Malaria Cases in Indonesia, accessed October 15, 2024 (<https://malaria.kemkes.go.id/case>)
2. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed October 15, 2024 (<https://www.facebook.com/CEH.MoH.Lao/>)
3. Bluedot Platform, accessed October 15, 2024 (<https://portal.bluedot.global/>)
4. Ministry of Health Singapore, accessed October 15, 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 15, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **80,863** new malaria cases since the previous report. The region reported **439,663** total cases with **0.03%** CFR.

VACCINE-PREVENTABLE DISEASES

Measles Cases in the ASEAN Region

From January 1 to October 12, 2024 (Epi-Week 41)



Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 27	4	-	0	0.00%
Indonesia²	Week 35	1,410	-	0	0.00%
Lao PDR¹	Week 31	1	-	0	0.00%
Malaysia¹	Week 31	2,647	-	0	0.00%
Myanmar¹	Week 35	28	-	0	0.00%
Philippines¹	Week 31	3,346	-	3	0.09%
Singapore³	Week 40	9	1	0	0.00%
Thailand⁴	Week 39	4,059	272	1	0.02%
Viet Nam⁵	Week 38	2,000	-	3	0.15%
Total		13,504	273	7	0.05%

Source:

- Provisional Measles and Rubella Data, World Health Organization, accessed October 15, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
- Ministry of Health, Republic of Indonesia
- Ministry of Health Singapore, accessed October 15, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)
- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 15, 2024 (<http://doe.moph.go.th/surdata/index.php>)
- Bluedot Platform, accessed October 15, 2024 (<https://developer-portal.bluedot.global/>)

- The **ASEAN** region reported **273** new measles cases since the previous report. The region reported **13,504** total cases with **0.05%** CFR.



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

Epidemiological Week 41 | From January 1 to October 12, 2024

Infectious Diseases	COVID-19			Mpox			Rabies		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	87,406	77	0.09%	-	-	-	Rabies-free Country		
Cambodia	886	-	0.00%	20	0	0.00%	-	-	-
Indonesia	118,198	1,454	1.23%	87	0	0.00%	78	78	100%
Lao PDR	1,474	87	5.90%	1	0	0.00%	-	-	-
Malaysia	297,224	494	0.17%	10	0	0.00%	79	79	100%
Myanmar	9,580	5	0.05%	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	13	0	0.00%	354	354	100%
Singapore	819,481	313	0.04%	48	0	0.00%	Rabies-free Country		
Thailand	83,252	1,061	1.29%	821	10	1.21%	5	5	100%
Viet Nam	101,828	20	0.02%	201	8	3.98%	56	56	100%
ASEAN Region	1,660,700	4,978	0.30%	1,201	18	1.50%	572	572	100%

Infectious Diseases	Dengue			Malaria			Measles		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	13,752	37	0.27%	-	-	-	4	0	0%
Indonesia	202,012	1,202	0.60%	418,546	120	0.02%	1,410	0	0%
Lao PDR	15,090	0	0.00%	16,994	11	0.06%	1	0	0%
Malaysia	101,750	91	0.09%	24	0	0%	2,647	0	0%
Myanmar	1,309	3	0.23%	-	-	-	28	0	0%
Philippines	269,467	546	0.26%	2	0	0%	3,346	3	0.09%
Singapore	12,375	-	0.00%	21	0	0%	9	0	0%
Thailand	85,903	66	0.08%	3,615	1	0.03%	4,059	1	0.03%
Viet Nam	76,838	12	0.02%	165	0	0%	2,000	3	0.15%
ASEAN Region	778,496	1,957	0.25%	439,663	132	0.03%	13,504	7	0.05%