



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](mailto:support@biodiaspora.org)

## Editorial

### ASEAN SECRETARIAT

Programme Coordinator (Health Security)  
Mitigation of Biological Threats (MBT) Programme

**Michael Glen, MSSc**

### CONSULTANT

Advisory – Regional Expert

**Ferdinal Fernando, MD, MDM**

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### 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](mailto:support@biodiaspora.org)

**Facebook:** <https://facebook.com/ASEANBiodiaspora>

**Instagram:** <https://instagram.com/ASEANBiodiaspora>

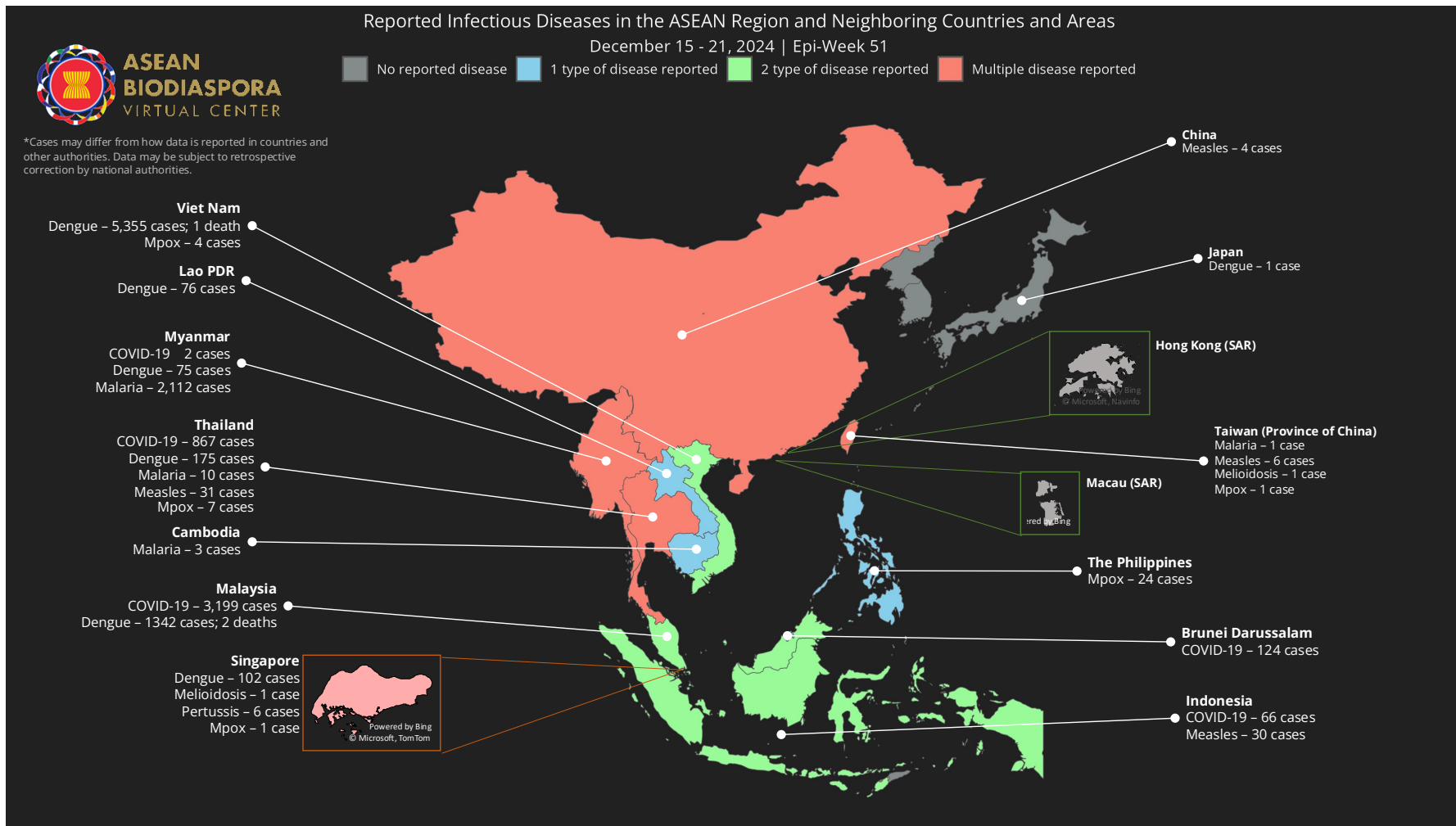


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## Reported Infectious Diseases in the ASEAN Region and Neighbouring Countries and Areas

Epidemiological Week 51 | December 15 – 21, 2024



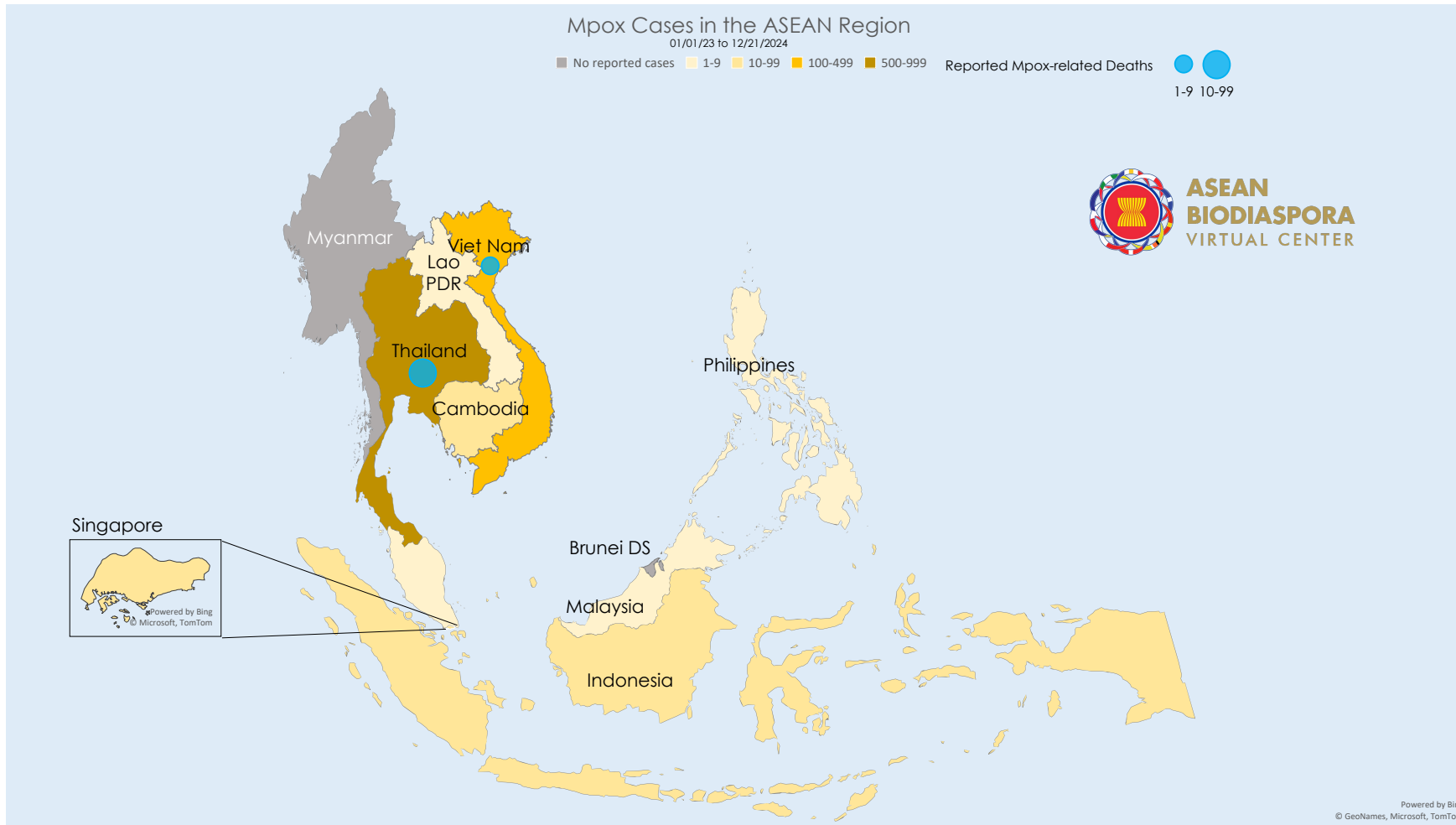
Source: AMS Official Sources, [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on December 17, 2024



## EMERGING DISEASES

### Mpox Cases Reported in the ASEAN Region

January 1, 2023 – December 21, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed December 21, 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 21 December 2024, **34,827** confirmed cases worldwide since 2023, including **212** deaths. Globally, the CFR was **0.61 %**.
- **1,279 confirmed cases** including **18 deaths** in the **ASEAN** region, with a CFR of **1.56%**.
- **33,548 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 Dec. 21, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023-2024	CFR
Cambodia <sup>1</sup>	20	0	0	0.00%
Indonesia <sup>2</sup>	87	0	0	0.00%
Lao PDR <sup>3</sup>	1	0	0	0.00%
Malaysia <sup>3</sup>	10	0	0	0.00%
Philippines <sup>3</sup>	52	24	1	1.92%
Singapore <sup>4</sup>	49	1	0	0.00%
Thailand <sup>3</sup>	853	7	10	1.17%
Vietnam <sup>3</sup>	207	4	9	4.35%
<b>ASEAN Total</b>	<b>1,279</b>	<b>36</b>	<b>20</b>	<b>1.56%</b>

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. WHO Mpox Outbreak: Global Trends, accessed December 24, 2024 ([https://worldhealthorg.shinyapps.io/mpx\\_global/](https://worldhealthorg.shinyapps.io/mpx_global/))
4. Ministry of Health Singapore, accessed December 24, 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 Dec. 21, 2024)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	10,213	56	45	0.44%
United States of America	4,260	6	10	0.23%
People's Republic of China	2,752	1	1	0.04%
Burundi	2,650	127	1	0.04%
Brazil	2,579	2	2	0.08%

Source: Our World in Data, accessed on December 24, 2024 (<https://ourworldindata.org/monkeypox>)

### Mpox cases per region (Jan. 1, 2023 to Dec. 21, 2024)

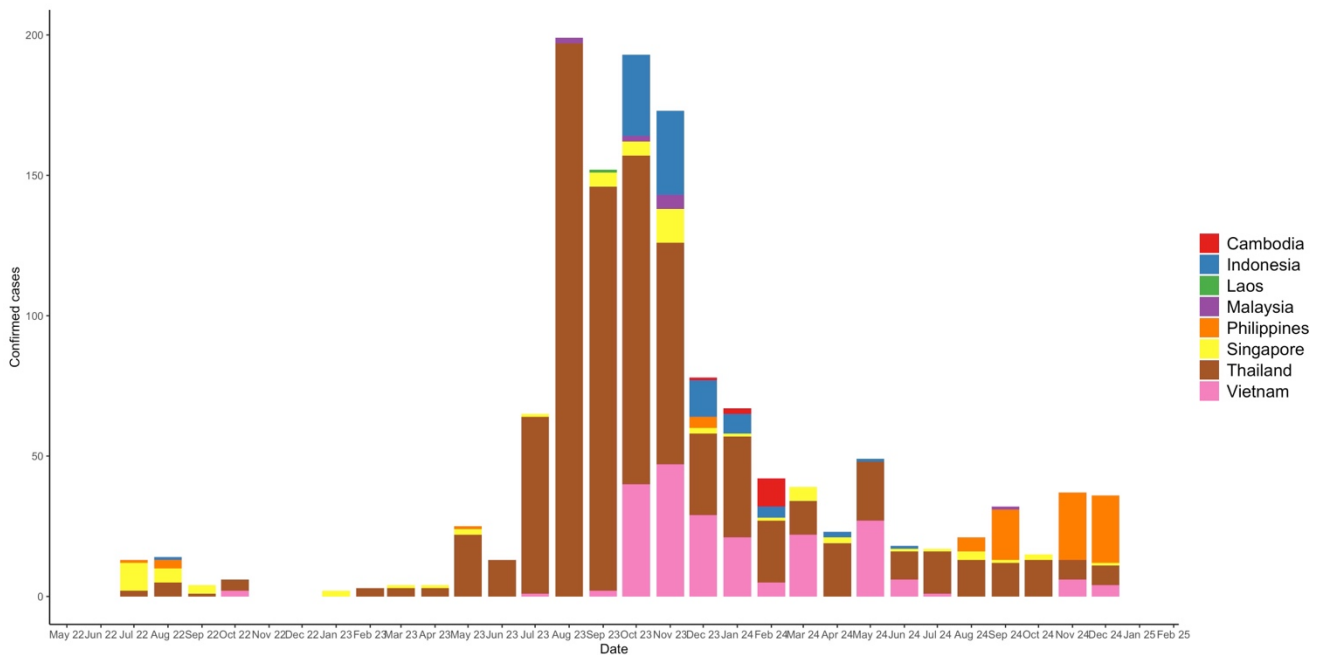
REGIONS	CUMULATIVE CASES 2023-2024	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	14,733	1,346	67	0.45%
AMERICAS	9,186	275	99	1.08%
ASEAN	1,279	36	18	1.41%
ASIA & OCEANIA	6,715	255	24	0.36%
EUROPE	2,914	277	4	0.14%
<b>TOTAL</b>	<b>34,827</b>	<b>1,639</b>	<b>212</b>	<b>0.61%</b>

Source: Our World in Data, accessed on December 24, 2024 (<https://ourworldindata.org/monkeypox>)



## Trend of Mpox Confirmed Cases in the ASEAN Region

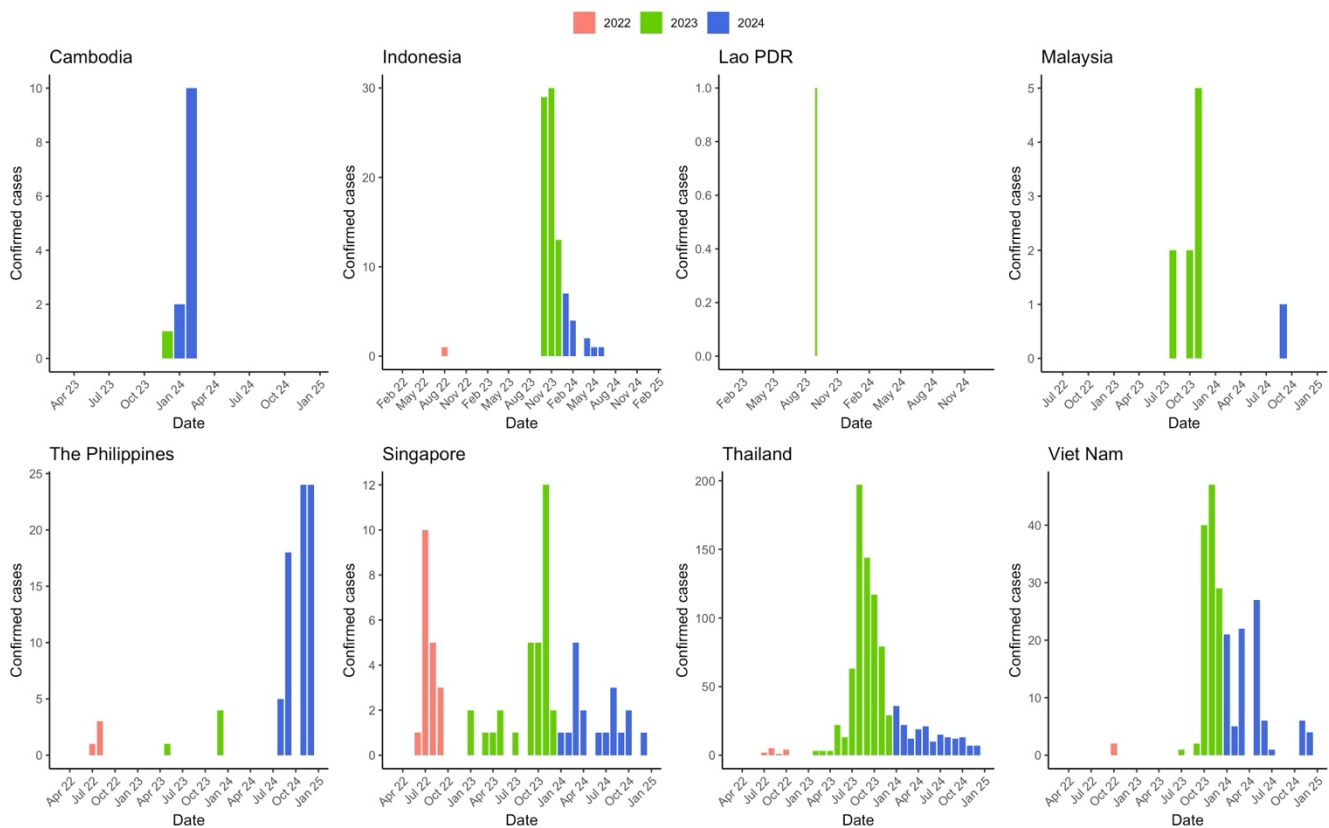
January 1, 2022 to December 21, 2024



Source: Our World in Data, accessed on December 24, 2024 (<https://ourworldindata.org/monkeypox>)

## Trend of Mpox Confirmed Cases among ASEAN Member States

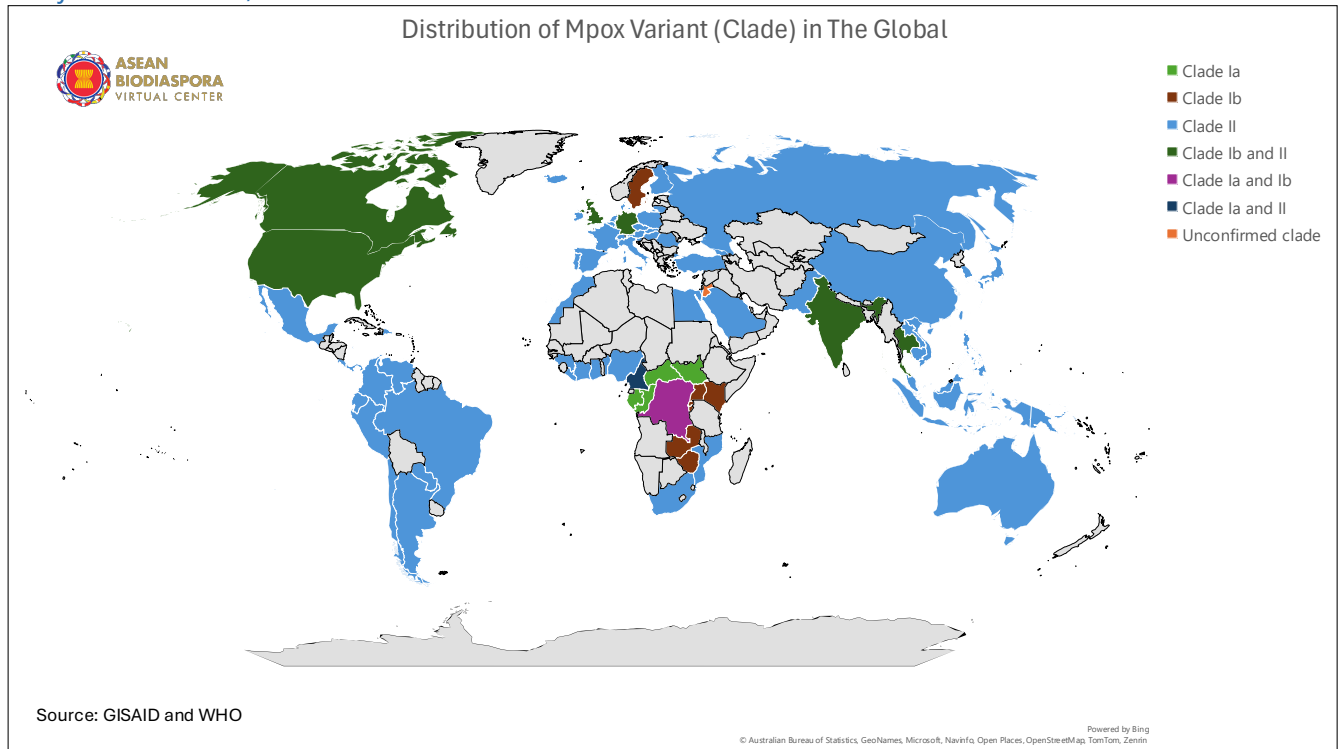
January 1, 2022 to December 21, 2024



Source: Our World in Data, accessed on December 24, 2024 (<https://ourworldindata.org/monkeypox>)

## Distribution of Mpox Variants in The Global

As of December 21, 2024



## Distribution of Mpox Variants in the ASEAN and Neighbouring Countries and Areas

As of December 14, 2024

Distribution of Mpox Variant (Clade) in ASEAN and Neighbouring Countries and Areas

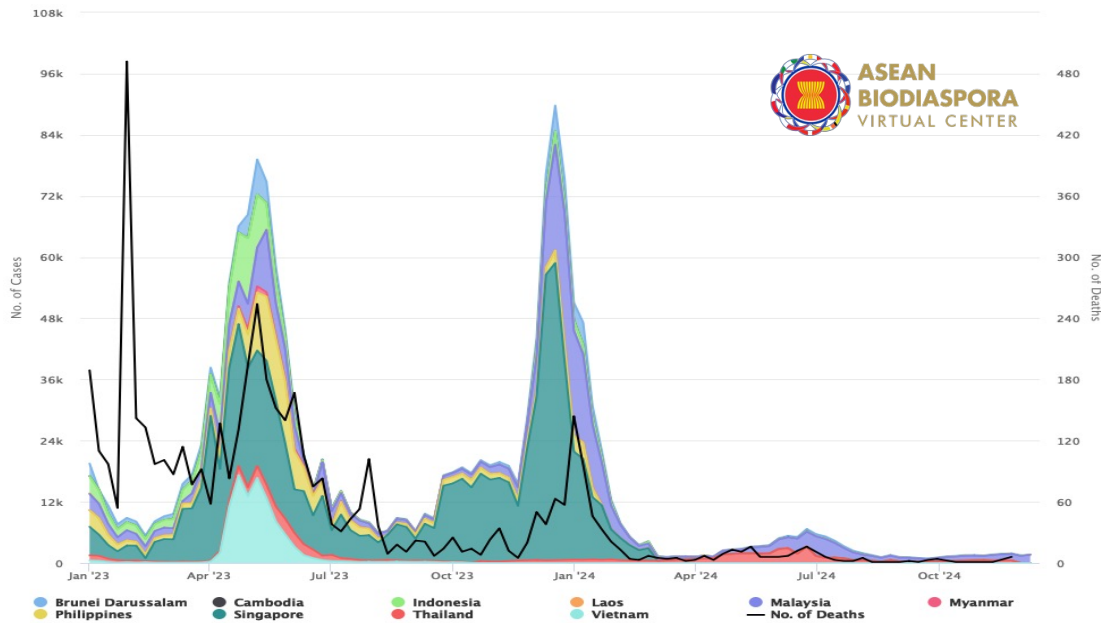


## COVID-19: Highlights and Situation Overview

- As of 21 December 2024 (5PM, GMT+7), there were **704,845,821** confirmed cases **worldwide**, including **7,010,826 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **37,090,233 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

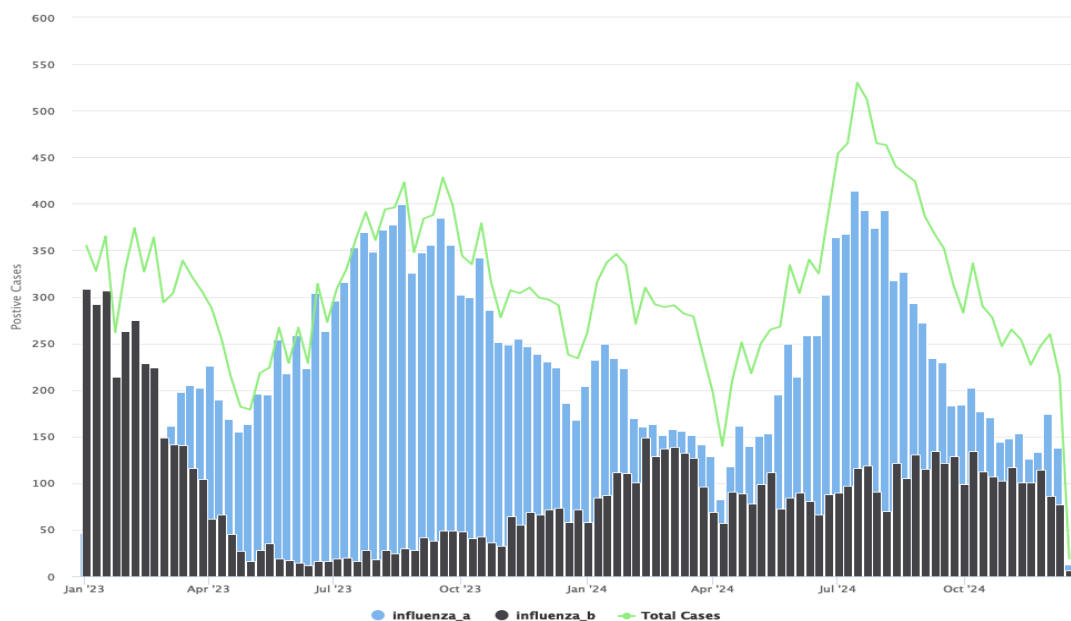
From January 1, 2023 to December 21, 2024



Source: [Singapore Government and the WHO](#), accessed on December 24, 2024

## Trends of Influenza Confirmed Cases in the ASEAN region

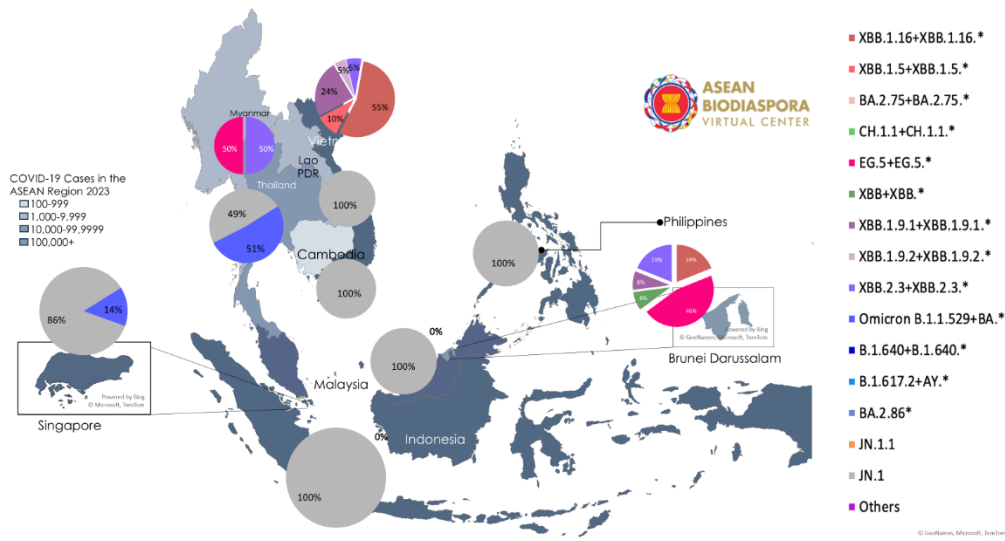
From January 1, 2023 to December 21, 2024



Source: FluNet, accessed on December 21, 2024 (<https://www.who.int/tools/flunet>)

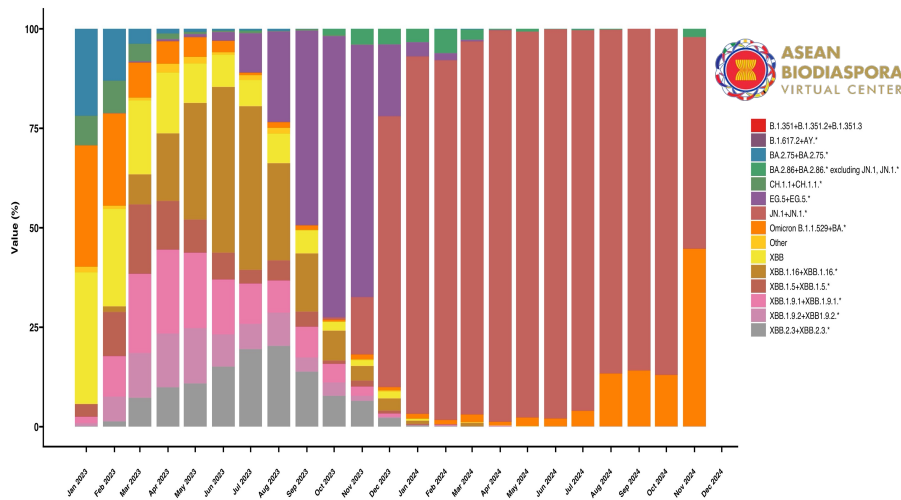


## COVID-19 Variants Frequencies Among the ASEAN Member States In November 2024



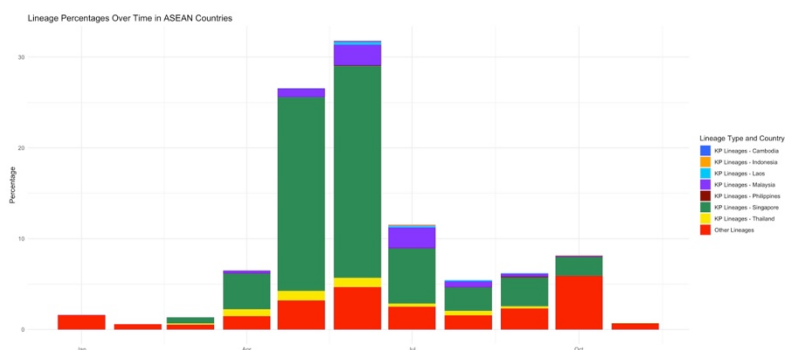
Source: GISAID. "hCoV-19 Variants Dashboard," accessed December 3, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

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



Source: GISAID. "hCoV-19 Variants Dashboard," accessed December 17, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

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

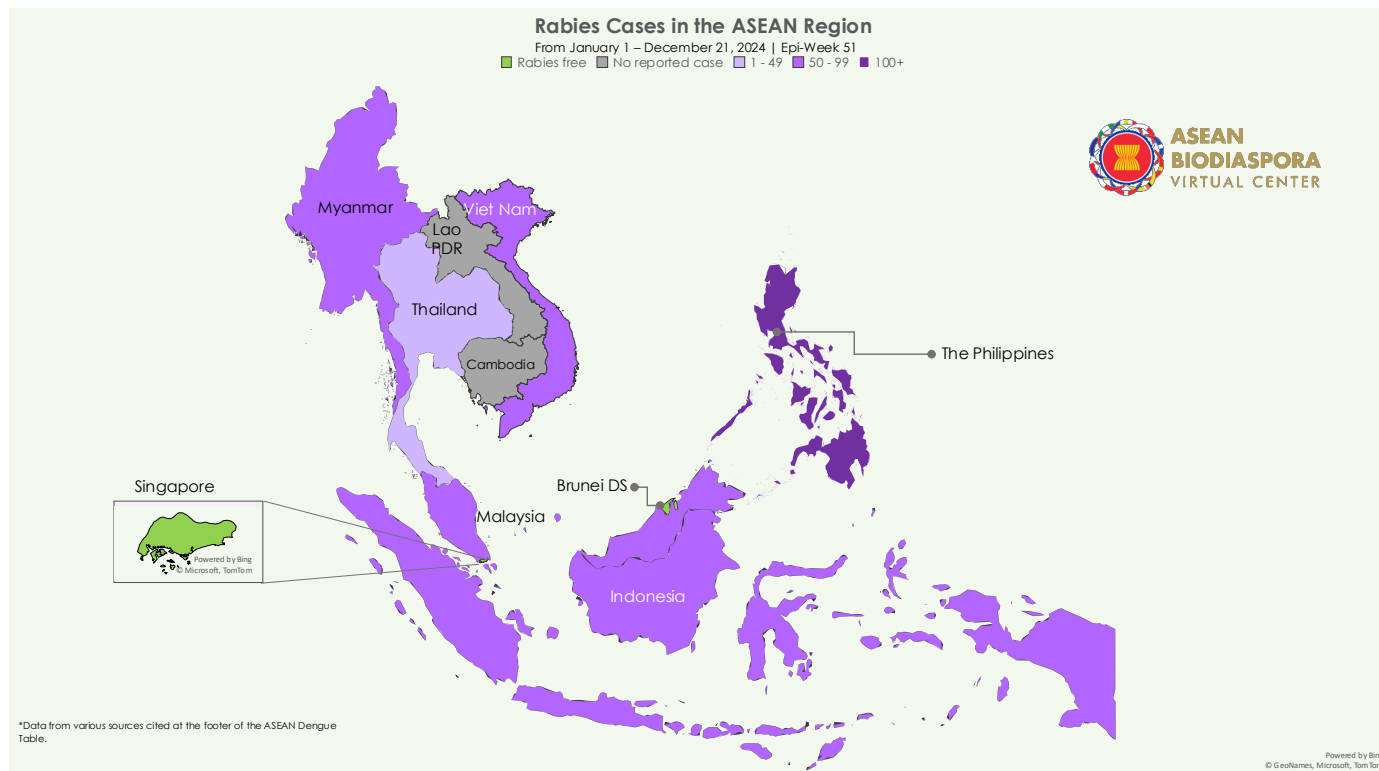


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on December 17, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

## ZOONOSIS

### Rabies Cases in the ASEAN Region

From January 1 to December 21, 2024 (Epi-Week 51)



### Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>			<i>Rabies-free country</i>		
<b>Cambodia</b>	-	-	-	-	-
<b>Indonesia<sup>1</sup></b>	Week 48	102	-	102	100%
<b>Lao PDR</b>	-	-	-	-	-
<b>Malaysia<sup>2</sup></b>	Week 24	79	-	79	100%
<b>Myanmar<sup>3</sup></b>	Week 51	81	0	81	100%
<b>Philippines<sup>2</sup></b>	Week 39	354	-	354	100%
<b>Singapore</b>			<i>Rabies-free country</i>		
<b>Thailand<sup>4</sup></b>	Week 48	5	0	5	100%
<b>Viet Nam<sup>2</sup></b>	Week 50	80	-	80	100%
<b>Total</b>		<b>701</b>	<b>0</b>	<b>701</b>	<b>100%</b>

Source:

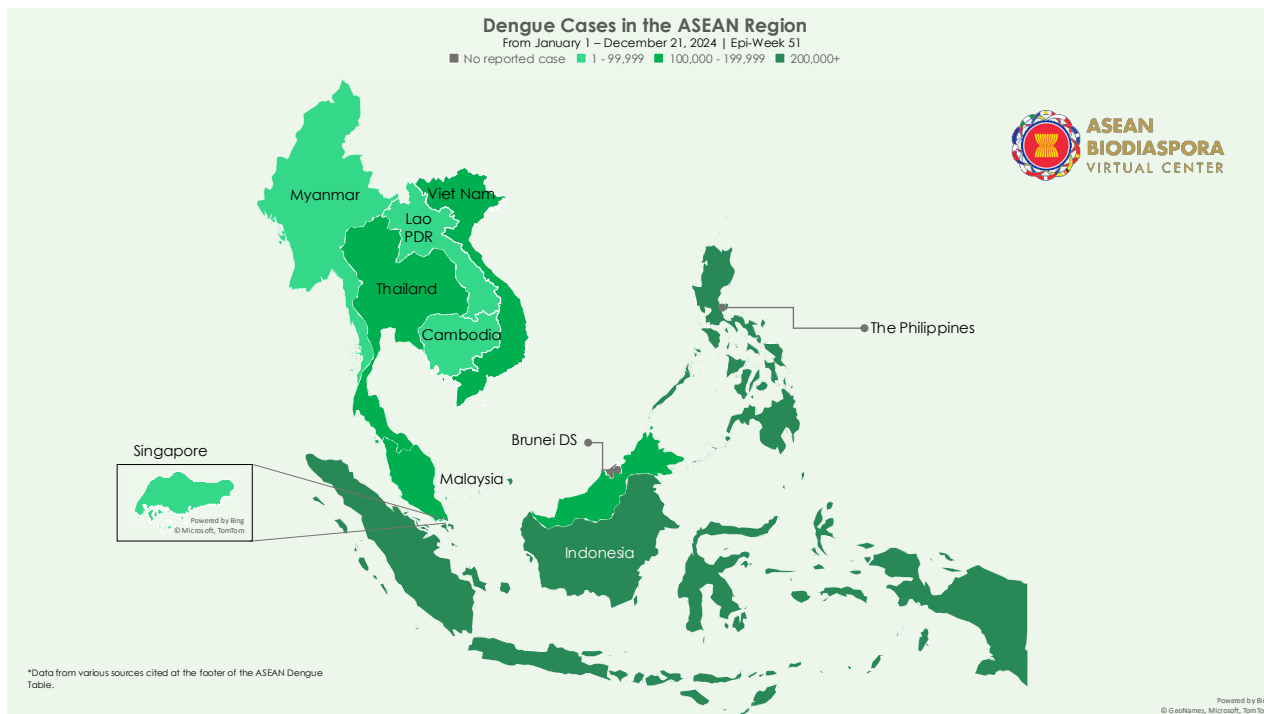
1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed December 21, 2024 (<https://portal.bluedot.global/>)
3. Department of Public Health, Ministry of Health, Myanmar
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed December 21, 2024

- The **ASEAN** region reported **NO** new rabies cases since the previous report. The region reported **701** total cases with **100%** CFR.

## VECTOR-BORNE DISEASES

### Dengue Cases in the ASEAN Region

From January 1 to December 21, 2024 (Epi-Week 51)



### Dengue cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 46	17,088	-	43	-	0.25%
<b>Indonesia<sup>2*</sup></b>	Week 46	218,356	-	1,259	-	0.58%
<b>Lao PDR<sup>1</sup></b>	Week 48	18,925	183	2	0	0.01%
<b>Malaysia<sup>1,3</sup></b>	Week 49	118,291	1,342	111	2	0.09%
<b>Myanmar<sup>4</sup></b>	Week 49	6,368	75	15	-	0.24%
<b>Philippines<sup>5</sup></b>	Week 45	314,785	-	546	-	0.17%
<b>Singapore<sup>6**</sup></b>	Week 50	13,477	102	0	0	0.00%
<b>Thailand<sup>7***</sup></b>	Week 51	106,382	175	85	0	0.08%
<b>Viet Nam<sup>1</sup></b>	Week 48	130,342	5,355	21	1	0.02%
<b>Total</b>		<b>944,014</b>	<b>7,232</b>	<b>2,082</b>	<b>3</b>	<b>0.22%</b>

Source:

1. WHO WPRO, "Dengue," World Health Organization, accessed December 24, 2024 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
2. Ministry of Health, Republic of Indonesia
3. Senarai Kenyataan Akhbar Demam Denggi dan Chikungunya, Kementerian Kesihatan Malaysia, accessed December 24, 2024 ([https://www.moh.gov.my/index.php/database\\_stores/store\\_view/17](https://www.moh.gov.my/index.php/database_stores/store_view/17))
4. Department of Public Health, Ministry of Health, Myanmar
5. Bluedot Developer Portal, accessed December 24, 2024, (<https://developer-portal.bluedot.global/>).
6. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed December 24, 2024. (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>)
7. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed December 24, 2024, ([https://dvis3.ddc.moph.go.th/t/DDC\\_CENTER\\_DOE/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y](https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y))

- The **ASEAN** region reported **7,232** new dengue cases since the previous report. The region reported **944,014** total cases with **0.22%** CFR.

## Malaria Cases in the ASEAN Region

From January 1 to December 21, 2024 (Epi-Week 51)



### Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 51	352	3	0	0.00%
<b>Indonesia<sup>2</sup></b>	Week 50	456,479	-	192	0.04%
<b>Lao PDR<sup>3</sup></b>	Week 51	20,010	76	11	0.05%
<b>Malaysia<sup>4</sup></b>	Week 30	24	-	0	0.00%
<b>Myanmar<sup>5</sup></b>	Week 50	169,702	2,112	1	0.00%
<b>Philippines<sup>4</sup></b>	Week 6	2	-	0	0.00%
<b>Singapore<sup>6</sup></b>	Week 50	25	-	0	0.00%
<b>Thailand<sup>7</sup></b>	Week 51	4,211	10	2	0.05%
<b>Viet Nam<sup>4</sup></b>	Week 48	166	-	0	0.00%
<b>Total</b>		<b>650,971</b>	<b>2,201</b>	<b>206</b>	<b>0.03%</b>

Source:

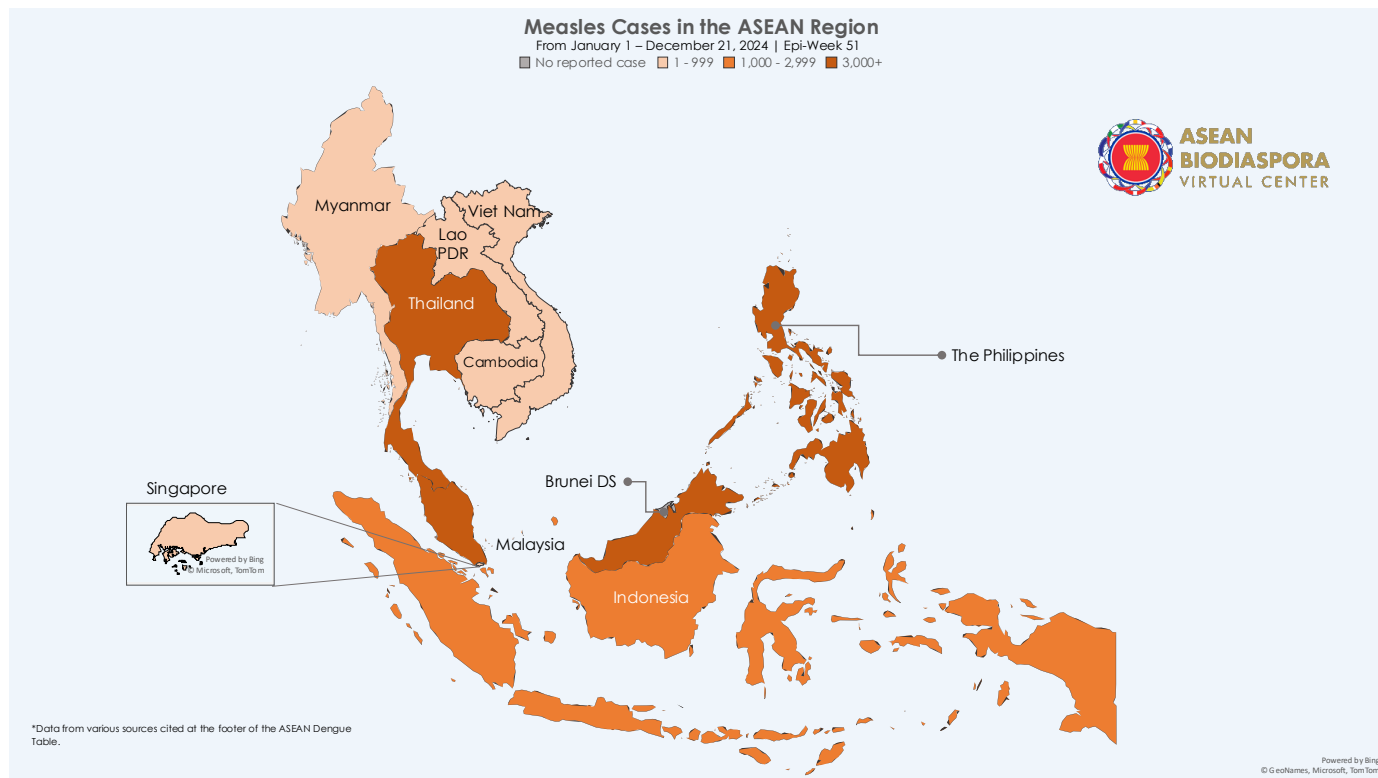
1. Cambodia National Malaria Center, accessed December 24, 2024 (<https://mis.cnm.gov.kh/Dashboard>)
2. Malaria Cases in Indonesia, accessed December 24, 2024 (<https://malaria.kemkes.go.id/case>)
3. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed December 24, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
4. Bluedot Platform, accessed December 24, 2024 (<https://portal.bluedot.global/>)
5. Department of Public Health, Ministry of Health, Myanmar
6. Ministry of Health Singapore, accessed December 24, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>)
7. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed December 24, 2024 ([https://dvis3.ddc.moph.go.th/t/DDC\\_CENTER\\_DOE/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y](https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y))

- The **ASEAN** region reported **2,201** new malaria cases since the previous report. The region reported **650,971** total cases with **0.03%** CFR.

# VACCINE-PREVENTABLE DISEASES

## Measles Cases in the ASEAN Region

From January 1 to December 21, 2024 (Epi-Week 51)



## Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 27	4	0	0	0.00%
<b>Indonesia<sup>2</sup></b>	Week 50	2,652	30	0	0.00%
<b>Lao PDR<sup>1</sup></b>	Week 40	1	0	0	0.00%
<b>Malaysia<sup>1</sup></b>	Week 44	3,574	0	0	0.00%
<b>Myanmar<sup>3</sup></b>	Week 51	29	0	0	0.00%
<b>Philippines<sup>1</sup></b>	Week 44	3,686	0	3	0.08%
<b>Singapore<sup>4</sup></b>	Week 50	11	0	0	0.00%
<b>Thailand<sup>5</sup></b>	Week 51	6,302	31	1	0.02%
<b>Viet Nam<sup>1</sup></b>	Week 48	852	0	0	0.00%
<b>Total</b>		<b>17,111</b>	<b>61</b>	<b>4</b>	<b>0.02%</b>

Source:

1. Provisional Measles and Rubella Data, World Health Organization, accessed December 24, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
2. Ministry of Health, Republic of Indonesia
3. Department of Public Health, Ministry of Health, Myanmar
4. Ministry of Health Singapore, accessed December 24, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)

- The **ASEAN** region reported **143** new measles cases since the previous report. The region reported **17,111** total cases with **0.03%** CFR.



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

Epidemiological Week 51 | From January 1 to December 21, 2024

Infectious Diseases	COVID-19 (2023 – 2024)			Mpox (2023 – 2024)			Rabies		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	88,390	77	0.09%	-	-	-	Rabies-free Country		
Cambodia	887	-	0.00%	20	0	0.00%	-	-	-
Indonesia	118,607	1,454	1.23%	87	0	0.00%	102	102	100%
Lao PDR	1,474	87	5.90%	1	0	0.00%	-	-	-
Malaysia	309,462	494	0.16%	10	0	0.00%	79	79	100%
Myanmar	9,666	4	0.04%	-	-	-	81	81	100%
Philippines	141,371	1,467	1.04%	52	1	1.92%	354	354	100%
Singapore	819,481	313	0.04%	49	0	0.00%	Rabies-free Country		
Thailand	88,964	1,075	1.22%	853	10	1.17%	5	5	100%
Viet Nam	101,828	20	0.02%	207	9	4.35%	80	80	100%
<b>ASEAN Region</b>	<b>1,680,130</b>	<b>4,991</b>	<b>0.30%</b>	<b>1,279</b>	<b>20</b>	<b>1.56%</b>	<b>701</b>	<b>701</b>	<b>100%</b>

Infectious Diseases	Dengue			Malaria			Measles		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	17,088	43	0.25%	352	0	0%	4	0	0%
Indonesia	218,356	1,259	0.58%	456,479	192	0.04%	2,652	0	0%
Lao PDR	18,925	2	0.01%	20,010	11	0.06%	1	0	0%
Malaysia	118,291	111	0.09%	24	0	0%	3,574	0	0%
Myanmar	6,368	15	0.24%	169,702	1	0.00%	29	0	0%
Philippines	314,785	546	0.17%	2	0	0%	3,686	3	0.08%
Singapore	13,477	0	0.00%	25	0	0%	11	0	0%
Thailand	106,382	85	0.08%	4,211	2	0.03%	6,302	1	0.02%
Viet Nam	130,342	21	0.02%	166	0	0%	852	0	0%
<b>ASEAN Region</b>	<b>944,014</b>	<b>2,082</b>	<b>0.22%</b>	<b>650,971</b>	<b>206</b>	<b>0.03%</b>	<b>17,111</b>	<b>4</b>	<b>0.02%</b>