



World
Organisation
for Animal
Health
Founded as OIE

Organisation
mondiale
de la santé
animale
Fondée en tant qu'OIE

Organización
Mundial
de Sanidad
Animal
Fundada como OIE



DEPARTMENT OF DISEASE CONTROL
OFFICE OF INTERNATIONAL COOPERATION



Australian Government
Department of Agriculture,
Fisheries and Forestry

ASEAN program on Public health emergency using the One Health approach

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**Sub-Regional Workshop on Emergency Management
14 - 16 August 2024 Bangkok, Thailand**

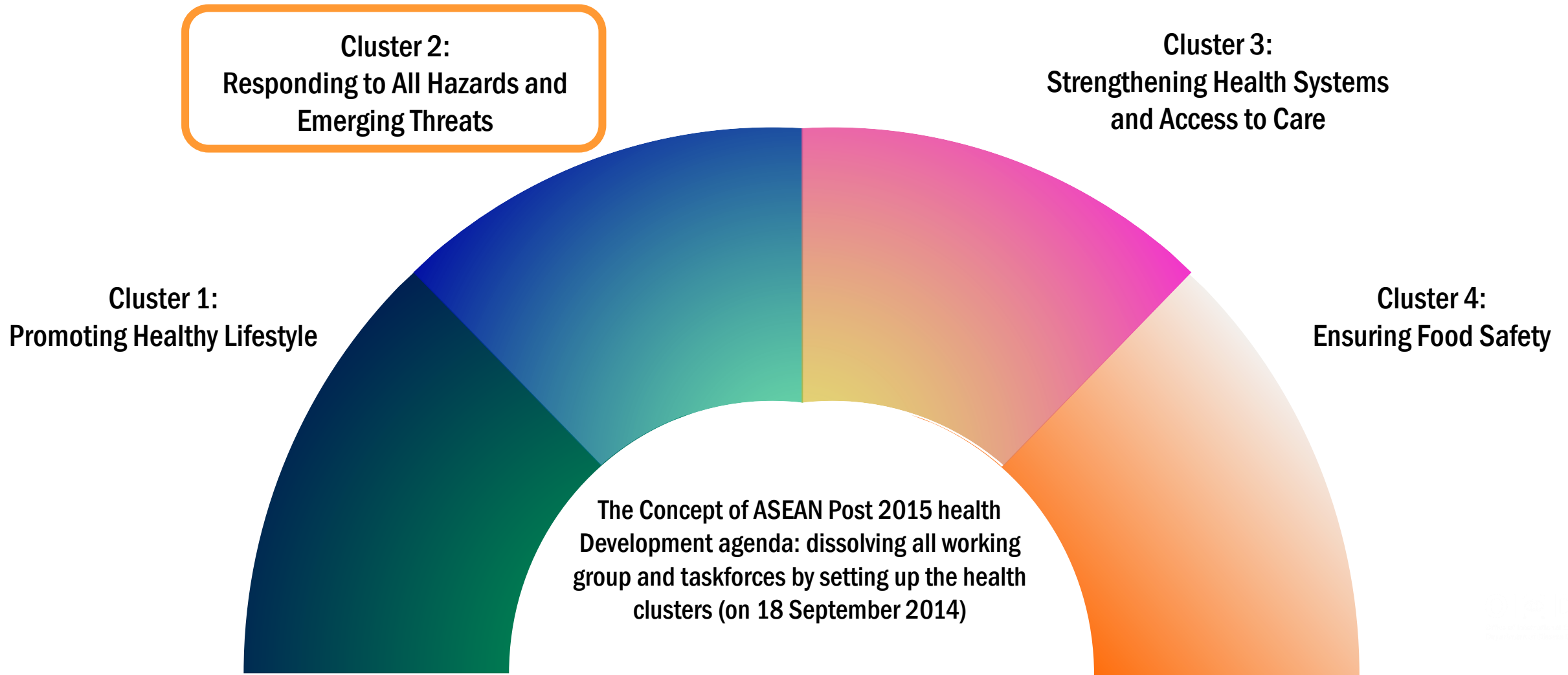


Presentation covers

- **ASEAN Health Mechanism**
- **ASEAN EOC Network**
- **ASEAN Plus Three Field Epidemiology Training Network (ASEAN+3 FETN)**
- **ASEAN BioDiaspora Virtual Center (ABVC)**
- **ASEAN Centre for Public Health Emergencies and Emerging Diseases (ACPHEED)**



Section: ASEAN Health Mechanism



Cluster 2: Responding to All Hazards and Emerging Threats

HP8

Prevention and control of communicable diseases, emerging infectious diseases, neglected tropical diseases and zoonotic diseases

HP9

Regional preparedness and response to public health emergencies

HP10

Strengthening laboratory capacity

HP11

Combating antimicrobial resistance (AMR)

HP12

Environmental health, health impact assessment (HIA) and health impact of climate change

HP13

Disaster health management



Section: ASEAN-EOC Network



ASEAN-EOC Network

Strengthening emergency operations centers (EOCs) for better coordination and communication during health emergencies

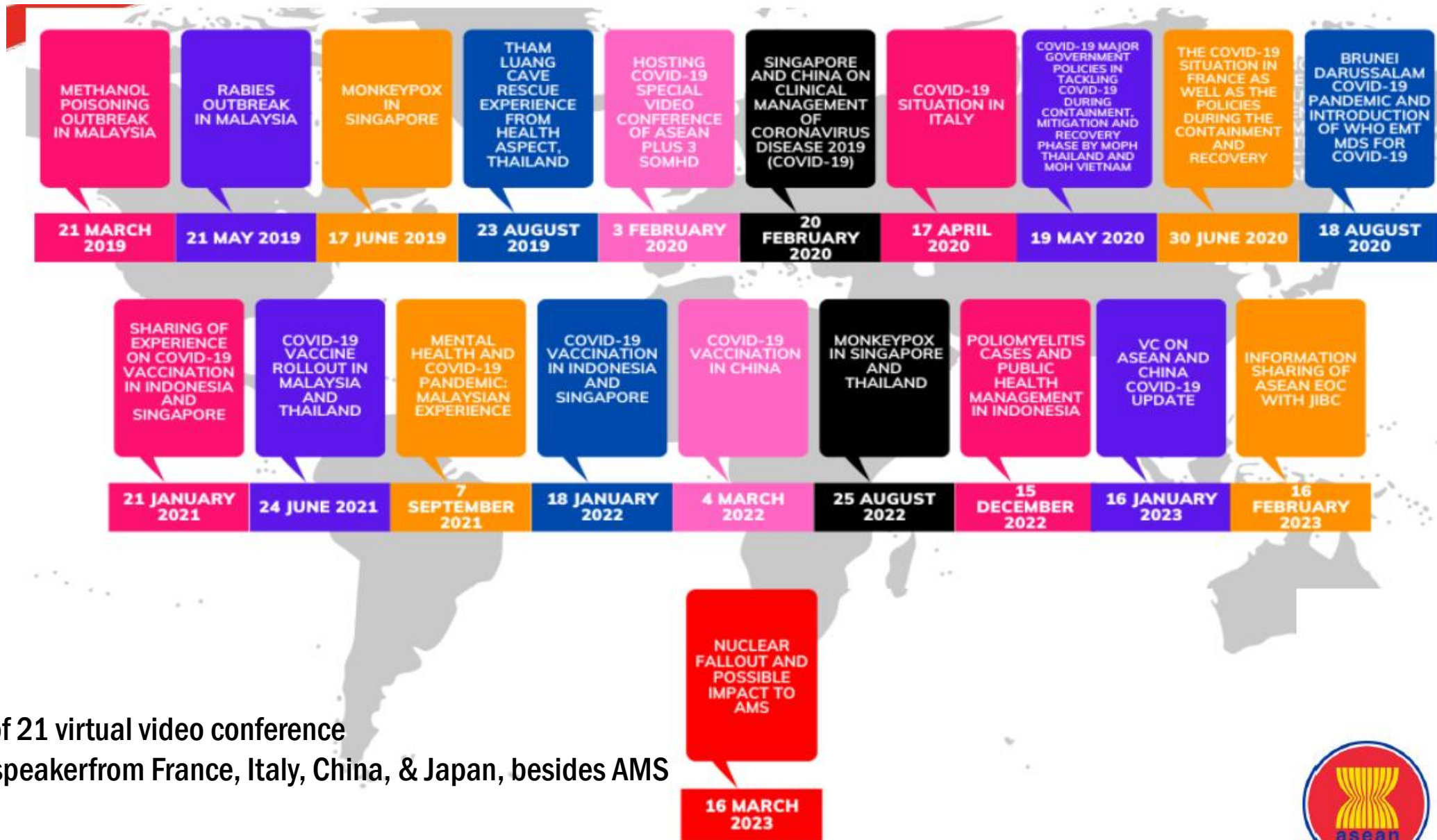
Endorsed: at the 12th SOMHD Meeting, April 2017

Lead country: Malaysia

Activities: Regular meetings, capacity building, and information sharing among EOCs in member states.



TIMELY SHARING OF INFORMATION 2019 - 2023



- A total of 21 virtual video conference
- Invited speaker from France, Italy, China, & Japan, besides AMS





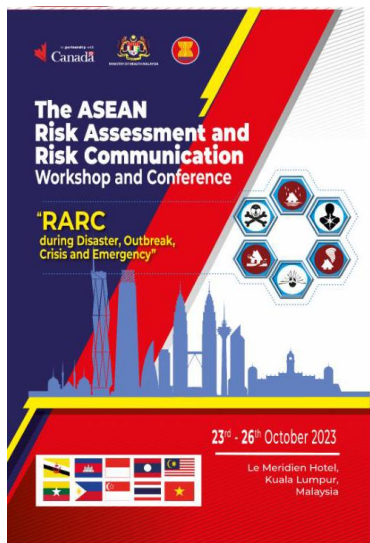
ASEAN RISK ASSESSMENT AND RISK COMMUNICATION WORKSHOP
“DEALING WITH DUAL DEMICS”
IMPIANA KLCC HOTEL, KUALA LUMPUR, MALAYSIA
2-3 NOVEMBER 2022



ASEAN WORKSHOP ON PREPAREDNESS TO CBRNe
EVENTS, MALAYSIA
21-22 NOVEMBER 2022



Strengthening ASEAN EOC NETWORK



2023
RISK ASSESSMENT
&
RISK COMMUNICATION

- ✓ Workshop
- ✓ Conference



Joint Simulation Exercise - Gebeng Simulation Exercise (GSE) 2023 Chemical, Biological, Radiological, Nuclear, and explosives (CBRNe) incidents at Gebeng Industrial Park, Kuantan, Pahang, Malaysia on 10th – 12th July 2023

- 10 – 12 July 2023
- 102 participants





Section: ASEAN Plus Three Field Epidemiology Training Network (ASEAN+3 FETN)



ASEAN+3 FETN

Enhancing field epidemiology capacity in the region.

Since the first ASEAN+3 FETN Steering Committee Meeting successfully agreed on a working mechanism, strategies and activities in October 2011, ASEAN+3 FETN has continued to work harmoniously and agreed activities have commenced.

Lead country: Thailand

Activities: Training programs, field investigations, and network building among epidemiologists.





Key Achievements & Milestone

- **Capacity Building and Collaboration**
 - Joint Training Initiatives
 - Technical Guideline Development
 - Trainer Exchange Programs
- **Strategic Meeting**
 - Quarterly strategic review
 - Involvement of External Experts
- **Expansion of Joint Training Initiatives**
 - Advanced Simulation Training
 - Specialized Training Modules
- **Engagement with Development Partners**

The Virtual eleventh Annual ASEAN + 3 Field epidemiology training network (FETN) steering committee meeting hosted by Lao PDR



Expected Output

- To update the 5-years strategic framework
- To update the progress of ASEAN+3 FETN workplan
- To develop the implementation mechanism

Potential collaboration with development partners

- Support - Building workforce to support emergency response
- Promote and Increasing the multi-disciplinary collaboration efforts
- Consideration on small grants mechanism
- Strengthen the FET training on risk assessment and risk communication

39 Participants from

- 12 Nominated focal points from ten ASEAN Plus Three Countries (except Cambodia)
- 9 Development partners including AVEG, DTRA, CANADA's GPP, OIE, SEAOHUN, TUC, US CDC, WHO-SEARO and WHO-WPRO

Enhancement Areas

- Workforce development
- FET capacity & sustainability
- Multi countries collaboration

JANUARY 13 - 14, 2021

SUPPORTED BY ASEAN + 3 FETN COORDINATING & OFFICE INTERNATIONAL COOPERATION THAILAND



Result : Example contents in Daily report

Already reported

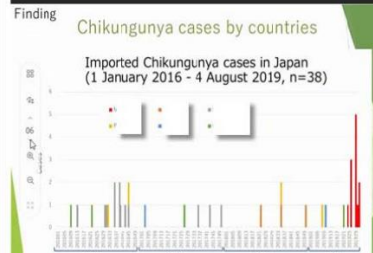
- Seasonal influenza outbreaks all over the country
- Messles outbreak in Kawasaki city / Shingagawa district
- Salmonella contaminated food recall information
- Disaster related infectious diseases information
- Listeriosis outbreak in Spain / France
- Hepatitis E outbreak in Namibia
- Hepatitis A outbreak in Korea
- Mumps outbreak in Ireland
- Crimaean-Congo Hemorrhagic Fever in Russia / India / Georgia
- Messles status in participants' countries
- Enhanced Surveillance for Olympic/Paralympic in 2020 to be implemented.

Your cooperation would be much appreciated.

Finding

Chikungunya cases by countries

Imported Chikungunya cases in Japan (1 January 2016 - 4 August 2019, n=38)



The chart shows a significant increase in imported Chikungunya cases in Japan starting in 2018, peaking in 2019. The y-axis represents the number of cases (0 to 38), and the x-axis represents the year (2016 to 2019).

**AVEG-FETN JOINT VIDEO CONFERENCE
OCT 2019**



RPHL NETWORK – FETN JOINT TRAINING WORKSHOP on GENOMIC EPIDEMIOLOGY

HELD BY RPHL NETWORK AND ASEAN PLUS 3 FETN, MAY 29 - 31, 2024



HIGHLIGHTED ACTIVITY

Testing and Reviewing the Guideline: Administrative & Logistic Arrangement In Supporting the Joint Multi-Sectoral Outbreak Investigation & Response In ASEAN



ASEAN+3 Field Epidemiology Training Network (FETN) – ASEAN Veterinary Epidemiology Group (AVEG) Simulation Exercise Workshop
Kuala Lumpur 13–15 June 2023





Section: ASEAN BioDiaspora Virtual Center (ABVC)



ASEAN BioDiaspora Virtual Center (ABVC)

Utilizing advanced data analytics and visualization tools to monitor and respond to public health threats.

Lead country: Philippines >> Indonesia

Activities: Providing situational awareness and risk assessment through a virtual platform.





ABVC Report focuses on Emerging Infectious Diseases, ASEAN, and Global Disease Concern

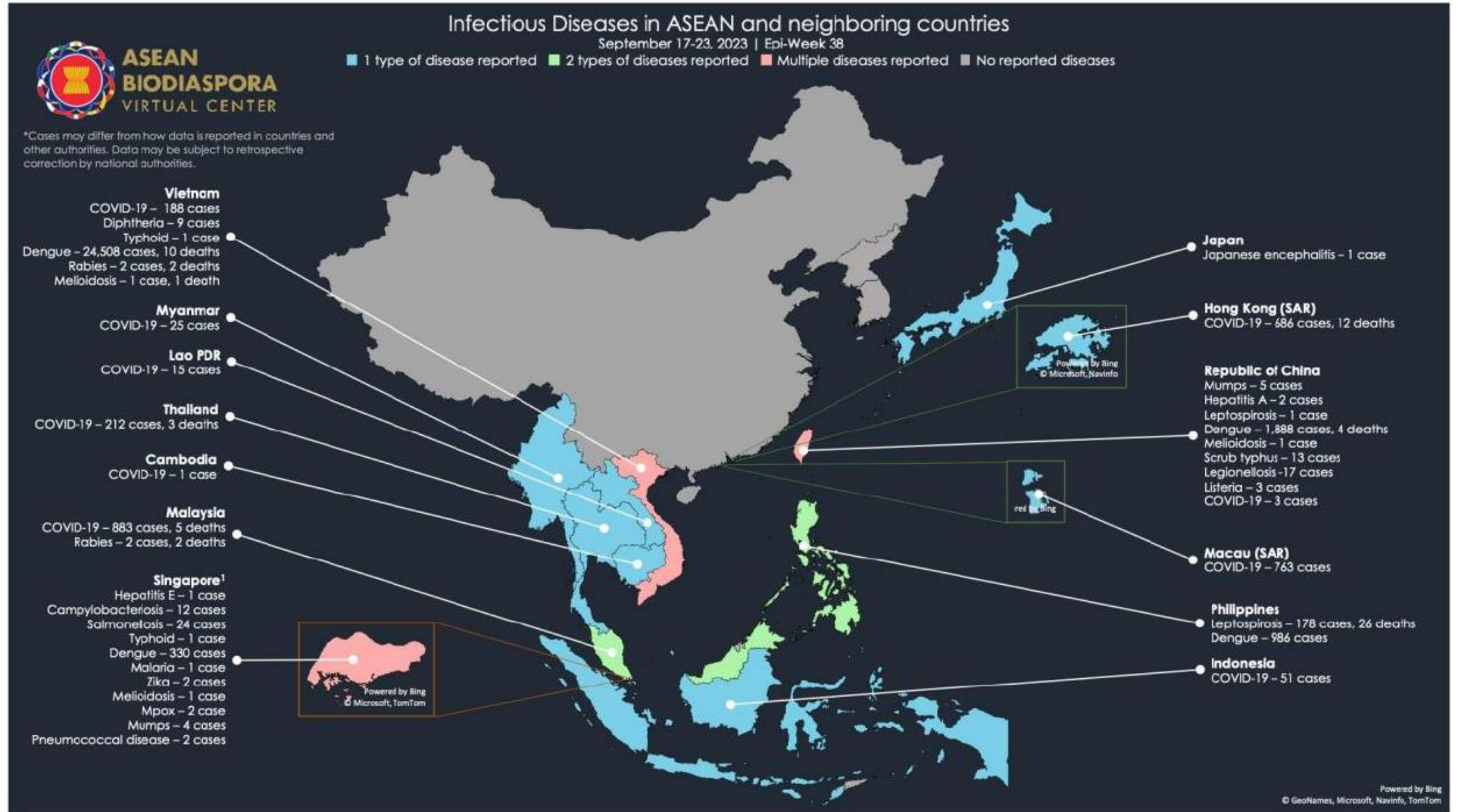
Types of Products	Description	Frequency
Disease Alerts	Warning of potential disease outbreak or pandemic (i.e., Avian Influenza, Anthraks, Polio)	By disease event
Situation Report	The current situation of disease outbreaks, epidemic, and pandemics in regional and global level. <i>The report includes: Positivity rate, vaccination coverage, number of cases & case fatality rate</i>	Weekly - Tuesday (MMWR) - Friday (Covid, Mpox)
Risk Assessment Report	Report on the analysis of the level of risk of spreading disease in the ASEAN region(i.e., Polio, Avian Flu, Anthrax, Diphtheria, etc)	By disease event
Focus Report	Report on the analysis of the situation of certain diseases in the ASEAN region (i.e., COVID-19, dengue, measles, Rabies, polio,Hepatitis etc.)	Monthly

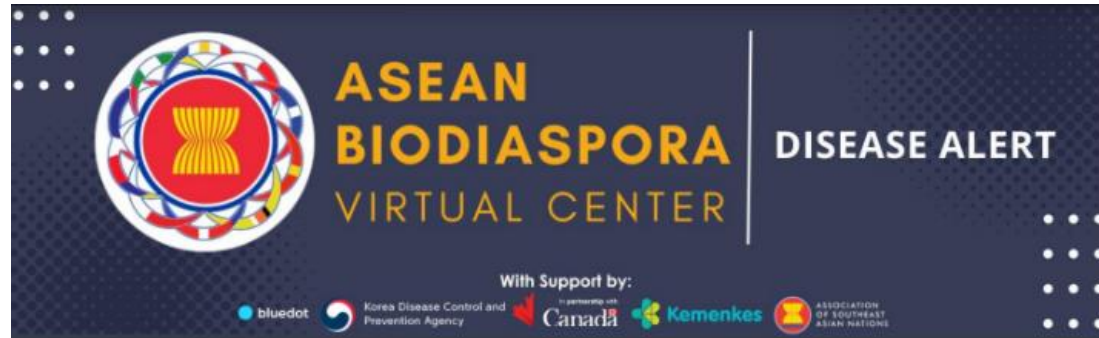




Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 38 | September 17-23, 2023





August 7, 2024 | Issue No. 8

First alert: 07 August 2024 | *Chandipura vesicularus* (CHVP) in India

SUB-LOCATIONS AFFECTED

The states of Gujarat, Madhya Pradesh, Maharashtra, and Rajasthan, India



Figure 1. Photo of Phlebotomine sand fly (Diptera: Psychodidae), main vector of Chandipura virus transmission. Source: ECDC, <https://www.ecdc.europa.eu/en/disease-vectors/facts/phlebotomine-sand-flies>

Event Description

Since early June 2024, an outbreak of Acute Encephalitis Syndrome (AES) has been reported in Gujarat. As of July 31, 2024, a total of 148 AES cases have been documented. Of the cases, 59 have resulted in fatalities. *Chandipura vesicularus* virus (CHPV) has been confirmed in 51 of the cases.



This report is the result of media monitoring on infectious and emerging diseases happening around the world and among the ASEAN Member States. In order to improve pandemic and epidemic preparedness and response in the ASEAN Region, we provide this report three times a week starting January 2024.

Global Situation

Chandipura Virus

- **India:** In June and July, 51 confirmed cases of the Chandipura virus were reported, mainly from Gujarat State, according to data from the Union Health Ministry (Express News Service, 2024). The ministry reported that at least 148 cases of the AES were reported in June and July in the states of Gujarat (140 cases), Madhya Pradesh (4 cases), Rajasthan (3 cases), and Maharashtra (1 case). Of the 148, 59 have died, resulting in a fatality rate of 40%. [\[Full article\]](#)

Chikungunya

- **France:** A person in France has been infected with chikungunya, a mosquito-borne virus, after being bitten by one of its tiger mosquitoes (AFP, 2024). The virus has been increasing in mainland France for nearly 20 years due to global warming. Since the start of surveillance, nine imported cases of chikungunya have been recorded in mainland France. The European Commission authorized the first vaccine against chikungunya, called Ixchiq, in June. [\[Full article\]](#)

COVID-19

- The **United States (US):** COVID-19 is spreading across the US, with an increase in infections on the West Coast (Terry, 2024). The virus thrives in hot conditions, and the federal Centers for Disease Control and Prevention (CDC) is tracking outbreaks in about 40 states, including Oregon. In Oregon, nearly 15% of people who tested positive for COVID-19 over the past week had the virus, a high rate for this time of year. The Oregon Health Authority's data shows that the virus has been on the rise since April. [\[Full article\]](#)

Dengue



Mpox: Highlights and Situation Overview

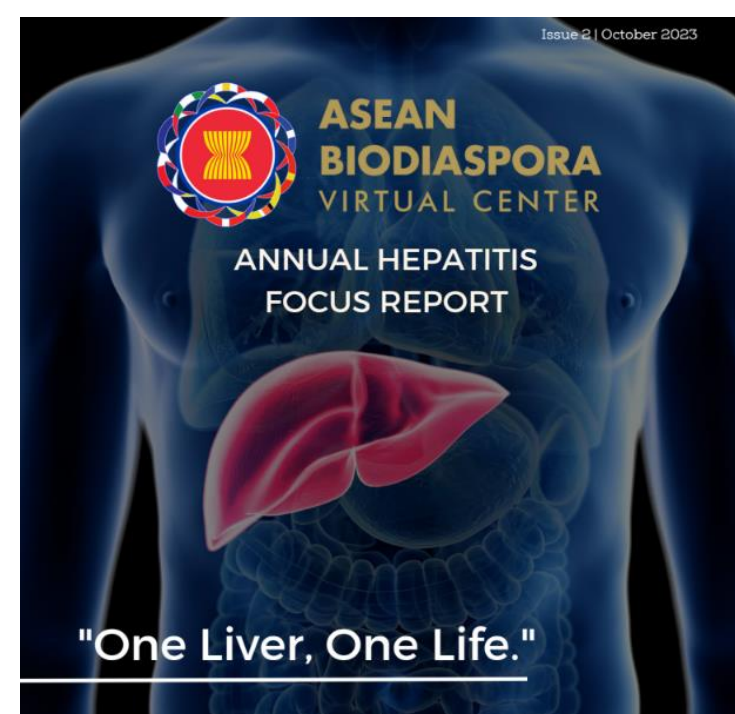
- From 1 January 2023 to 27 July 2024, **14,816** confirmed cases worldwide since 2023, including **151** deaths. Globally, the CFR was **1.02%**.
- **1135 confirmed cases** including **18 deaths** in the **ASEAN** region, with a CFR of **1.59%**.
- **13,681 confirmed cases** of mpox have been reported in **other regions** (other than the **ASEAN** region):

Mpox cases in the ASEAN region (Jan. 1, 2023 to Jul. 27, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023-2024	CFR
Cambodia ¹	13	0	0	0.00%
Indonesia ²	88	0	0	0.00%
Lao PDR ¹	1	0	0	0.00%
Malaysia ¹	9	0	0	0.00%
Philippines ¹	5	0	0	0.00%
Singapore ³	42	0	0	0.00%
Thailand ¹	783	0	10	1.28%
Viet Nam ¹	194	0	8	4.19%
ASEAN Total	1,135	0	18	1.59%

Source:

1. B IBS Bluedot, accessed on July 30, 2024 (<https://portal.bluedot.global>)
2. Ministry of Health Republic of Indonesia, accessed on July 30, 2024 (<https://infeksiemerging.kemkes.go.id/>)
3. Ministry of Health Singapore, accessed on July 30, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)



Seroprevalence of Hepatitis in the ASEAN Region

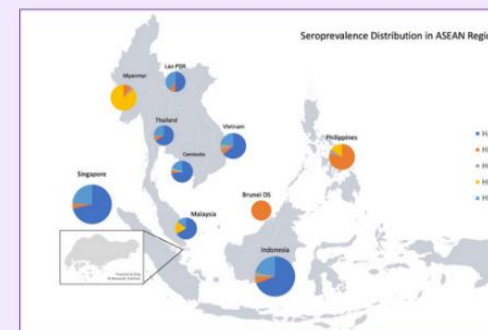


Figure 1. Seroprevalence of Viral Hepatitis Type in ASEAN Region

Seroprevalence surveys encompassed sample sizes ranging from 100 to 4,260 individuals, with the endemicity level of HAV determined through serological surveys assessing HAV antibodies in the blood. These surveys offer reliable insights into disease burden within populations, as evidenced by the scores of the reviewed studies, ranking between low and medium risk. Most studies exhibited strong internal validity.

From 1990 to 2019, seroprevalence rates for all age groups and those <5 years old displayed a decline. However, in 2019, HBV seroprevalence rates for all ages in Cambodia, Lao PDR, the Philippines, and Vietnam exceeded the global rate. Moreover, the 2019 HBV seroprevalence rates among <5 years old in Lao PDR and the Philippines surpassed global prevalence rates. Notably, Thailand achieved the regional hepatitis B control target with a national HBsAg seroprevalence 31% among

Information on HDV in the ASEAN region is limited, primarily stemming from 2010 data:

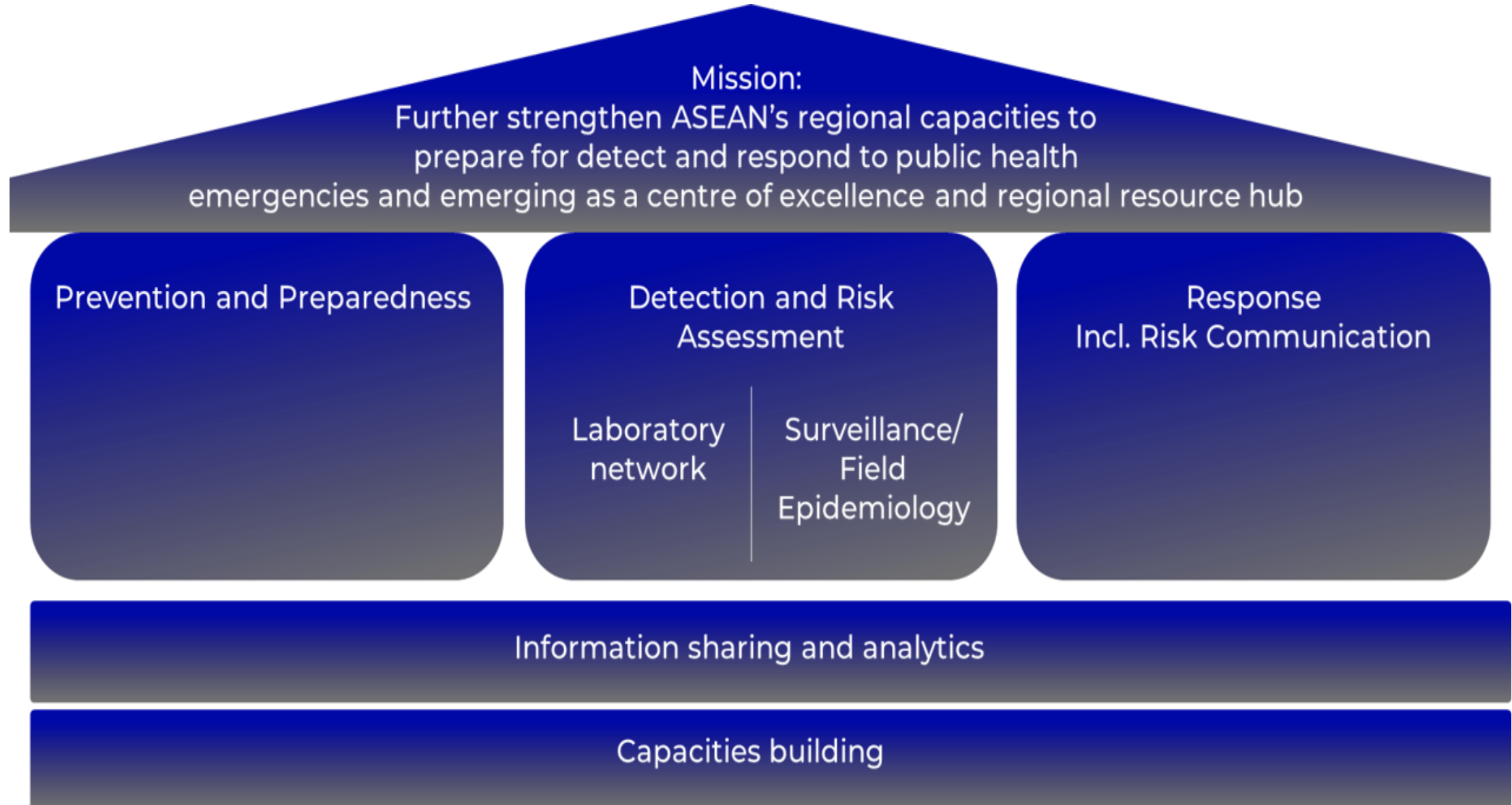
- Indonesia: HDV prevalence was < 0.5% among HBsAg carriers in Surabaya (2003).
- Malaysia: Various prevalence rates were recorded among different populations, including cases of acute hepatitis B, homosexual individuals, drug abusers positive for HBsAg, and jaundiced patients.
- Thailand: Studies revealed varying HDV prevalence rates among HBsAg-positive individuals, chronic hepatitis patients, and cirrhotic patients in different years.
- Philippines: In 1990, a study estimated a 1.6% HDV prevalence among acute viral hepatitis patients, with 40.6% having HBV.
- Vietnam: In a 2007 cross-sectional study in Thai Binh Province, 1.3% of HBsAg-positive samples were also positive for HDV.



**Section: ASEAN Centre for Public Health Emergencies and
Emerging Diseases (ACPHEED)**



Strategic focus pillars and overarching themes





VIET NAM

The Office for Prevention and Preparedness

THAILAND

The Office for Response and Risk Communication

INDONESIA

The Office for Detection and risk assessment including surveillance and laboratory network



ACPHEED SECRETARIAT OFFICE + RESPONSE OFFICE





Thank you

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