

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 from January 2024.

Global Situation

COVID-19

- **Bangladesh** reported 20 more COVID-19 cases in the last 24 hours, with 440 samples tested, a 4.55% positivity rate (EM, 2024). The country's total deaths remained at 29,493, with 2,049,759 cases and 2,017,226 recoveries. The first case was on March 8, 2020. [[Full article](#)]
- The **United States (US)**: Michigan public health officials reported 1,066 confirmed and probable COVID-19 cases and 16 additional deaths for the week ending Tuesday, a 27% drop from the previous week (Bridge Michigan, 2024). The number of confirmed COVID-19-positive hospital patients fell to 186, the first-time hospitalizations have been below 200 since August 11. [[Full article](#)]

Dengue

- **Canada**: Bahia has seen a 66.7% increase in dengue cases in 2024 compared to the previous year, with 269 municipalities experiencing an epidemic (Britto, 2024). The Southwest health macro-region accounted for 44% of cases and 65% of deaths. The state has a fatality rate of 2.7%, lower than the national average. Vitória da Conquista, the most worrying case, has three times as many probable cases and deaths as Salvador and four times more than Feira de Santana. [[Full article](#)]
- **India**: Kerala has experienced a rapid spread of dengue fever, with six people dying (Maalaimalar, 2024). Over the past two weeks, 1,373 people have been treated for the disease, with 294 confirmed infected. The state health department is taking precautionary measures against the flu and focusing on preventing mosquito breeding due to the potential spread of mosquito-borne diseases like dengue, chikungunya, malaria, and Zika. [[Full article](#)]
- **Italy**: A woman in Terni, contracted the Dengue virus after visiting Brazil (Orfei & Scardocci, 2024). The Municipality of Terni is implementing a mosquito disinfestation as a prevention measure, following a communication from the Umbria 2 Local Health Authority. The disinfestation will last approximately two hours, and following the disinfestation, requirements include not letting clothing dry outside, closing doors and windows, suspending air exchange systems, keeping animals indoors, and protecting crops and vegetables. [[Full article](#)]



Measles

- **Taiwan:** A man in his 20s was fined NT\$200,000 by the Health Bureau for knowingly importing measles from abroad (Yiyan, 2024). The man, who had been infected during the infectious period, did not report his activity history during the epidemic investigation. The Health Bureau urged people with similar activity footprints to wear masks and contact the health department if they develop symptoms before the autonomous health monitoring period ends. The Health Bureau stated that most Taiwanese adults over 50 are naturally infected with measles and can be immune for life. The MMR vaccine has been fully implemented since 1981, but antibodies may decrease with age. People with frequent contact with foreigners, medical staff, or those planning to travel to measles-endemic areas should receive an additional dose at their own expense. [[Full article](#)]
- The **United States (US):** An adult from Cicero has contracted measles, becoming the second case in suburban Cook County this year (Norkol, 2024). The first case was in late March and linked to an outbreak at a migrant shelter in the Pilsen neighborhood. The Cook County Department of Public Health (CDPH) said there is no known connection between the Cicero measles case and the one at the Chicago migrant shelter. Statewide, there are 64 confirmed cases of measles, most of which are in Chicago. [[Full article](#)]

Pertussis

- **Canada:** Pertussis, also known as whooping cough, has been confirmed in Kawartha Lakes, Ontario (Davis, 2024). The Haliburton Kawartha Pine Ridge District Health Unit advises parents and guardians to ensure their child's immunizations are up to date. Pertussis is a serious, highly contagious bacterial infection of the respiratory system, spreading via droplets from the noses and mouths of the infected. It was one of the most common childhood diseases and a cause of child mortality in the 20th century. The health unit states that routine childhood immunization, along with protection from polio, tetanus, and diphtheria, has significantly decreased cases of the disease. [[Full article](#)]

Regional Situation

Dengue

- **Indonesia** has seen an increase in dengue fever cases, with 26,445 cases reported between March 18 and April 14 (Crisis24, 2024). Bringing the total to 62,001 cases since January 1, compared to 22,551 in 2023. Local health officials urge the public to take preventive measures. [[Full article](#)]

Dengue outbreaks have been reported in Jawa Barat from January to April 2024, with 17,438 cases reported and 159 deaths (Costa, 2024). The highest cases were in Bandung, Bogor, and Bandung Barat, with 111 cases in Cirebon. The highest cases were in March and February, with 6,319 cases and 71 cases respectively. The highest cases were in children aged 5-14 years, with 83 cases. [[Full article](#)]



Pertussis

- **Philippines:** Three more children in Bacolod City have tested positive for pertussis, or whooping cough, as of Morbidity Week 14, April 6 (Pedrosa, 2024). The three confirmed cases, aged one month to one-year old, were discharged from hospitals in Bacolod. The city has plans and programs to address these cases, and the three new positive cases were given a pertussis vaccine. [Full article](#)]

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