

# Massachusetts health officials report second case of potentially deadly mosquito-borne virus

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A passer-by walks a dog, Monday, Aug. 26, 2024, along a walkway, in Plymouth, Mass., near a sign that advises people of a ban in effect for outdoor activity between dusk and dawn due to the risk of exposure to mosquito-borne diseases. Credit: AP Photo/Steven Senne

Massachusetts health officials on Thursday announced a second confirmed case of [the mosquito-borne eastern equine encephalitis virus](#) in the state.

A second case of the virus in a horse was also confirmed.

The human case is a woman in her 30s. Both were exposed in the area of Plymouth County that was aerial-sprayed Tuesday night. Both became infected before spraying was performed.

The detection of the latest case comes after a New Hampshire resident infected with the virus died, state [health](#) authorities said Tuesday.

The Hampstead resident's infection was the first in the state in a decade, the New Hampshire Department of Health and Human Services said. The resident, whom the department only identified as an adult, had been hospitalized because of severe central nervous system symptoms

Eastern equine encephalitis is a rare but serious and potentially fatal disease that can affect people of all ages and is generally spread to humans through the bite of an infected mosquito. The first Massachusetts resident infected with the EEE virus this year was a male in his 80s exposed in southern Worcester County.

Massachusetts Public Health Commissioner Robbie Goldstein said people should take steps to prevent [mosquito bites](#).

"We expect that the aerial spraying will help prevent risk for EEE from continuing to escalate in the area, but it does not eliminate it completely," he said.

About a third of people who develop encephalitis from the virus die from the infection, and survivors can suffer lifelong mental and physical

disabilities.

There is no vaccine or antiviral treatment available for infections, which can cause flu-like symptoms and lead to severe neurological disease along with inflammation of the brain and membranes around the spinal cord.

There have been 76 EEE-positive mosquito samples detected so far this year in Massachusetts.

Officials in some Massachusetts towns have urged people to [avoid going outdoors at night](#) this summer because of concerns over the [virus](#).

A 2019 outbreak included six deaths among 12 confirmed cases in Massachusetts, and the [outbreak](#) continued the following year with five more cases and another death. Two of three people infected in New Hampshire in 2014 died.

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