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## CDC advises higher risk of dengue fever in the United States.

### Description

The Centers for Disease Control and Prevention issued a warning regarding the increased risk of **dengue** virus infections in the United States due to the surge in cases globally. Countries in the Americas have reported over 9.7 million dengue cases in the first six months of 2024, surpassing previous records. This has prompted Puerto Rico to declare a public health emergency.

Travelers returning to the U.S. have already brought back 745 dengue cases since January, with the peak transmission period yet to come. With dengue cases expected to rise as temperatures increase, the CDC is urging **vigilance** among health-care providers.

Dengue, transmitted through infected mosquitoes, can lead to severe **symptoms** such as high **fevers** and joint pain. While no specific treatment exists for dengue, early detection and reporting are crucial. People in high-risk categories need to be especially cautious.

The main dengue **vector**, the **Aedes aegypti** mosquito, thrives in various U.S. territories. Although dengue transmission has previously been limited to specific states, recent cases have been reported in Arizona and California. Increased awareness and preventative measures are essential to combat the rising threat of dengue in the United States.

### Vocabulary List

1. **Dengue** /ˈdɛŋɡeɪ/ (noun): A mosquito-borne viral disease causing high fever and severe joint pain.
2. **Vigilance** /ˈvɪdʒɪləns/ (noun): The action or state of keeping careful watch for possible danger or difficulties.
3. **Symptoms** /ˈsɪmptəmz/ (noun): Physical or mental features indicating a condition or disease.
4. **Vector** /ˈvektər/ (noun): An organism, typically a biting insect or tick, that transmits a disease or parasite from one animal or plant to another.
5. **Aedes aegypti** /ˈeɪdiːz ˈædʒɪpti/ (noun): A species of mosquito that can spread dengue fever and other diseases.

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3. **Symptoms** /ˈsɪmptəmz/ (noun): Physical or mental features indicating a condition or disease.
4. **Vector** /ˈvektər/ (noun): An organism typically a biting insect or tick that transmits a disease or parasite from one animal or plant to another.
5. **Transmission** /trænzˈmɪʃən/ (noun): The act or process of passing something from one person place or thing to another.



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6. **Prevention** /prɪ'venʃən/ (noun): The action of stopping something from happening or arising.

## Comprehension Questions

### Multiple Choice

1. What is the main cause of dengue virus infections?

- Option: Infected animals
- Option: Contaminated water sources
- Option: Infected mosquitoes
- Option: Unsanitary conditions

2. Which country declared a public health emergency due to dengue cases?

- Option: United States
- Option: Mexico
- Option: Puerto Rico
- Option: Brazil

3. What types of symptoms can dengue lead to?

- Option: Respiratory issues
- Option: Joint pain and high fevers
- Option: Digestive problems
- Option: Skin rashes

4. Where does the *Aedes aegypti* mosquito thrive?

- Option: Europe
- Option: Asia
- Option: Africa
- Option: Various U.S. territories

5. What is the recommended action for health-care providers according to the CDC?

- Option: Relaxation
- Option: Vigilance
- Option: Ignoring symptoms
- Option: Minimal care

6. How can dengue transmission be combated?



- Option: Increased awareness and preventative measures
- Option: Avoiding outdoor activities completely
- Option: Using chemical pesticides indiscriminately
- Option: Closing all borders

## Answer

**Multiple Choice:** 1. Infected mosquitoes 2. Puerto Rico 3. Joint pain and high fevers 4. Various U.S. territories  
5. Vigilance 6. Increased awareness and preventative measures

## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. Which disease is primarily transmitted by mosquitoes?
  - Option: Malaria
  - Option: Dengue
  - Option: Influenza
  - Option: Tuberculosis
2. Which medication is commonly used to treat type 2 diabetes?
  - Option: Aspirin
  - Option: Paracetamol
  - Option: Insulin
  - Option: Metformin
3. Which viral disease is typically transmitted through the bite of infected animals?
  - Option: Typhoid
  - Option: Mumps
  - Option: Rabies
  - Option: Hepatitis
4. Which system in the body is responsible for breathing and gas exchange?
  - Option: Digestive
  - Option: Respiratory
  - Option: Circulatory
  - Option: Nervous
5. What preventive measure involves administering vaccines to protect against diseases?
  - Option: Quarantining



- Option: Isolating
- Option: Vaccinating
- Option: Filtering

6. What term is used to describe becoming infected with a disease?

- Option: Erase
- Option: Avoid
- Option: Catch
- Option: Evade

7. What is the verb that means to seek advice or information from someone?

- Option: Ignore
- Option: Consult
- Option: Dismiss
- Option: Refuse

8. Which type of impairment relates to mental processes such as thinking and memory?

- Option: Physical
- Option: Cognitive
- Option: Sensory
- Option: Emotional

9. What term describes making information or work available to the public?

- Option: Privatized
- Option: Restricted
- Option: Published
- Option: Concealed

10. Which term indicates something that is widespread or commonly found?

- Option: Rare
- Option: Scattered
- Option: Prevalent
- Option: Irregular

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. In the context of disease transmission a \_\_\_\_\_ is an organism that spreads the infection.

12. The patient displayed \_\_\_\_\_ symptoms that came and went periodically.



13. The \_\_\_\_\_ stores bile produced by the liver.
14. One of the early symptoms of the illness was a general feeling of \_\_\_\_\_ and discomfort.
15. Despite treatment the symptoms \_\_\_\_\_ for several weeks.
16. The \_\_\_\_\_ enzymes aid in digestion and are produced in the pancreas.
17. The discovery of the new genetic mutation has significant \_\_\_\_\_ for future research.
18. It is important to take necessary \_\_\_\_\_ to prevent the spread of the infectious disease.
19. The hospital reported a rare medical \_\_\_\_\_ involving an unknown virus.
20. The patient was diagnosed with a \_\_\_\_\_ condition that required long-term management.
21. Researchers are studying potential \_\_\_\_\_ that could indicate the presence of the disease.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

22. Continuous monitoring and alertness are necessary to prevent outbreaks of diseases.
23. The spread of infectious agents from person to person is known as this process.
24. Mosquitoes are a common example of this carrier of diseases.
25. Individuals who conduct systematic investigations to gain new knowledge and insights.
26. To be limited or restricted within a defined space or area.
27. The chemical processes within the body that convert food into energy.
28. To identify a particular illness or problem by examining its symptoms.



29. A medical professional who treats and cares for animals.

30. A condition or disease that persists over a long period of time.

31. A physical or mental limitation that affects a person's abilities.

## Answer

**Multiple Choice:** 1. Dengue 2. Metformin 3. Rabies 4. Respiratory 5. Vaccinating 6. Catch 7. Consult 8. Cognitive 9. Published 10. Prevalent

**Gap-Fill:** 11. Vector 12. Intermittent 13. Gallbladder 14. Malaise 15. Persisted 16. Pancreatic 17. Implications 18. Precautions 19. Incident 20. Chronic 21. Biomarkers

**Matching sentence:** 1. Vigilance 2. Transmission 3. Vector 4. Researchers 5. Confined 6. Metabolic 7. Diagnosed 8. Veterinarian 9. Chronic 10. Impairment

## CATEGORY

1. Health - LEVEL3

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