

Division of Vector-Borne Diseases (DVBD)

What is a Vector?

A vector is a tick, mosquito, or flea that can spread pathogens (germs) through bites.

Vector-Borne Diseases

A person who gets bitten by a vector and gets infected and sick has a vector-borne disease. Virtually everyone on earth is at risk.

Who We Are

DVBD is a national and international leader in tracking, monitoring, diagnosing, and preventing vector-borne diseases. Our staff includes world-class biologists, communicators, entomologists, epidemiologists, laboratorians, microbiologists, physicians, veterinarians, and zoologists dedicated to reducing illness and death from vector-borne diseases.

DVBD's Mission: Reduce Illness and Death from Vector-Borne Diseases

Key ways we achieve our mission

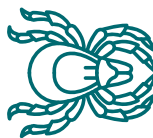
Identify and detect vector-borne pathogens that can make people sick <ul style="list-style-type: none">• Develop cutting-edge laboratory tests for rapid identification and diagnosis of new and known vector-borne diseases.• Discover new vector-borne diseases.	Understand when, where, how often, and how people are exposed to vector-borne pathogens <ul style="list-style-type: none">• Fund and provide technical expertise to health departments to track and monitor vector-borne diseases and vectors using systems like ArboNET and MosquitoNET.
Protect people from getting sick with vector-borne diseases <ul style="list-style-type: none">• Develop safe and effective vector control and prevention strategies.• Respond to public health emergencies.• Educate healthcare providers.	Implement and support vector-borne disease surveillance, control, and prevention programs <ul style="list-style-type: none">• Collaborate with state, local, territorial, and tribal health departments, industry, non-profit, and international partners.

Our Priority Diseases



Fleas

Cat-scratch disease • Plague
• Typhus



Ticks

Anaplasmosis • Ehrlichiosis
• Lyme disease • Powassan • Rocky Mountain spotted fever • Tularemia



Mosquitoes

Chikungunya • Dengue • Eastern equine encephalitis • St. Louis encephalitis
• West Nile • Yellow fever • Zika



Centers for Disease Control and Prevention
National Center for Emerging and Zoonotic Infectious Diseases

www.cdc.gov/vector