

Zoonoses

Zoonotic Infectious Diseases (ZIDs)

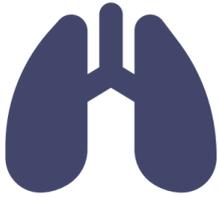
Diseases that spread between animals and humans, with causal agents being pathogenic microorganisms such as viruses, bacteria, fungi, or parasites.

Zoonoses: By Clinical Presentation

This table presents selected zoonoses organized by primary clinical presentation: respiratory illness (including influenza-like illness), encephalitis, and viral hemorrhagic fevers.

Note: These categories are illustrative; the range of clinical presentation associated with zoonoses varies depending on the specific disease.

Causing Respiratory Illnesses/ Influenza-like illness



Anaplasmosis	Ticks and tick-borne diseases (2025)
Avian Influenza A(H5N1) (bird flu)	Diseases and Conditions (2025)
Avian Influenza A(H7N9) (bird flu)	WHO
Bovine tuberculosis	Canadian Food Inspection Agency (2025)
Dengue	WHO (2025)
Hantavirus (pulmonary syndrome)	Diseases and Conditions (2015)
Hendra virus	Diseases, Immediately notifiable CFIA (2025)
Jamestown Canyon virus	Provincial and Territorial Resources California serogroup (CSG) viruses Quebec (2024) Alberta public health disease management guidelines : california serogroup infection Alberta (2021)
Japanese encephalitis	Diseases and Conditions (2021) Mosquitoes and mosquito-borne diseases (2025) WHO (2024)
La Crosse encephalitis	Pathogen Safety Data Sheets (2011)
Lassa and other arenaviruses	WHO (2024)
Lyme disease	Ticks and tick-borne diseases (2025)
MERS-CoV	Diseases and Conditions (2018)
Nipah virus	WHO (2018)
Psittacosis	CCOHS (2025)
Q fever	Canadian Centre for Occupational Health and Safety (2023)
Rift Valley fever	WHO (2024)
West Nile virus	Mosquitoes and mosquito-borne diseases (2025)
Yellow fever	WHO (2025) Mosquitoes and mosquito-borne diseases (2025)
Zika virus	Mosquitoes and mosquito-borne diseases (2025)

Causing encephalitis

Mosquito borne diseases causing encephalitis



Eastern equine encephalitis virus disease	Pathogen Safety Data Sheets (2024)
St. Louis encephalitis	Pathogen Safety Data Sheets (2010)
California encephalitis	Provincial and Territorial Resources Health issues, A to Z- Quebec (2024) California Serogroup (CSG) Viruses- Serology and PCR, Public Health Ontario (2025)
Jamestown Canyon virus	Provincial and Territorial Resources California serogroup (CSG) viruses Quebec (2024) Alberta public health disease management guidelines : california serogroup infection Alberta (2021)
Japanese encephalitis virus	Diseases and Conditions (2021) Mosquitoes and mosquito-borne diseases (2025) WHO (2024)
Western equine encephalitis virus	Pathogen Safety Data (2024)
La Crosse encephalitis	Pathogen Safety Data Sheets (2011)
Snowshoe hare encephalitis	Pathogen Safety Data Sheets (2011)
West Nile virus	Diseases and Conditions (2015)
Cache Valley virus	CDC Clinical Features and Diagnosis of Cache Valley Virus Disease (2025)
Rift Valley fever	WHO (2024)

Other vector borne diseases causing encephalitis

Ehrlichiosis	NCCEH (2022)
Powassan virus disease	Ticks and tick-borne diseases (2025)
Rocky Mountain spotted fever	NCCEH (2022)

Other diseases causing encephalitis

Brucellosis	NCCID Disease DebrieFs
Nipah Virus	Diseases and Conditions (2018)
Rabies	Diseases and Conditions (2024)
Hendra virus	WHO

Viral hemorrhagic fevers



Crimean-Congo hemorrhagic fever	WHO (2025)
Dengue	WHO (2025)
Lassa hemorrhagic fever	WHO (2024)
Rift Valley fever	WHO (2024)
Hantavirus hemorrhagic fever with renal syndrome	WHO
Yellow fever	WHO (2025)
Ebola	Diseases and Conditions (2025)
Marburg	Diseases and Conditions (2025)

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