

Hantavirus Outbreak Toolbox

Updated: October 2022



Key reference documents

- [Hantavirus](#) (Atlanta: Centers for Disease Control and Prevention; 2021)
- [Hantavirus](#) (Pan African Health Organization PAHO)



Case definitions

WHO suggested outbreak case definition

Suspected case:

- A person who presents with a febrile illness (Fever $> 38.5^{\circ}\text{C}$ [103°F] oral) with an acute respiratory distress syndrome requiring supplemental oxygen **AND** bilateral diffuse infiltrates developed within 72 hours of hospitalization in a previously healthy person
- Unexplained illness resulting in death plus an autopsy examination demonstrating noncardiogenic pulmonary oedema without an identifiable specific cause of death

Confirmed case:

A suspected case laboratory confirmed with:

- The presence of hantavirus-specific IgM antibodies or a 4-fold or greater increase in IgG antibody titres or hantavirus-specific IgG seroconversion.
- A positive reverse transcriptase-polymerase chain reaction (RT-PCR) results for hantavirus RNA,
- Positive immunohistochemical results for hantavirus antigens.



Data collection tools



Case investigation forms: [Formulario_V10_Hantavirus.pdf](#) ANEXO N° 1 FORMULARIO DE NOTIFICACION INMEDIATA Y ENVIO DE MUESTRAS PARA CASOS SOSPECHOSOS DE INFECCIÓN POR HANTAVIRUS, Ministerio de Saude Publica, Chile, 2015

- Line list: Not available.



World Health
Organization

- Electronic tools: Not available



Laboratory confirmation

- [Diagnosing and treating Hantavirus Pulmonary Syndrome](#) (Atlanta: Centers for Disease Control and Prevention; 2020)
- [Laboratory Management of Agents Associated with Hantavirus Pulmonary Syndrome: Interim Biosafety Guidelines](#) (Morbidity and Mortality Weekly Report: Centers for Disease Control and Prevention; 2001)



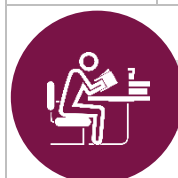
Response tools and resources

- [Hemorrhagic Fever with Renal Syndrome \(HFRS\)](#) (Atlanta: Centers for Disease Control and Prevention; 2017)



Training

- Not available



Other resources

- [Standard precautions for the prevention and control of infections: aide-memoire](#) (Geneva: World Health Organisation; 2022)