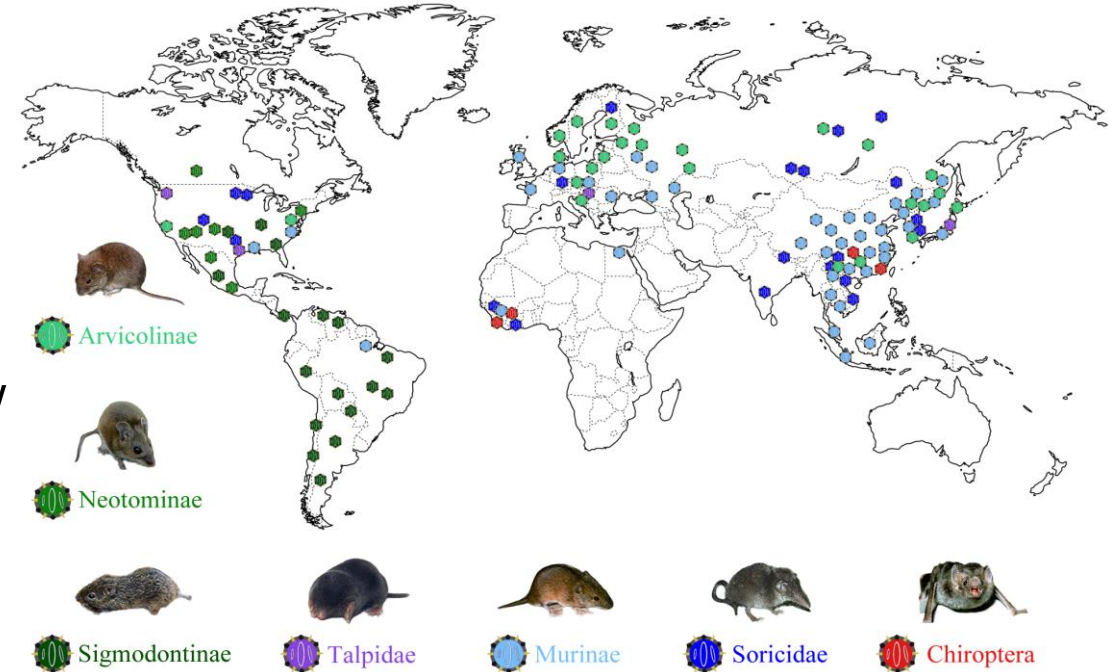

Overview: Hantavirus - Andes virus

Hantaviruses

- Hantaviruses are a group of viruses carried by rodents that can cause a range of illnesses, including severe disease and death.
- People usually get infected through contact with infected rodents or their urine, droppings or saliva.
- In the Americas, hantaviruses can cause hantavirus pulmonary syndrome (HPS), a severe respiratory illness, with a case fatality rate up to 50%. (including ANDV)
- In Europe and Asia, hantaviruses cause haemorrhagic fever with renal syndrome (HFRS).



Source: Guo, Wen-Ping, et al. "Phylogeny and origins of hantaviruses harbored by bats, insectivores, and rodents." PLoS pathogens 9.2 (2013): e1003159.

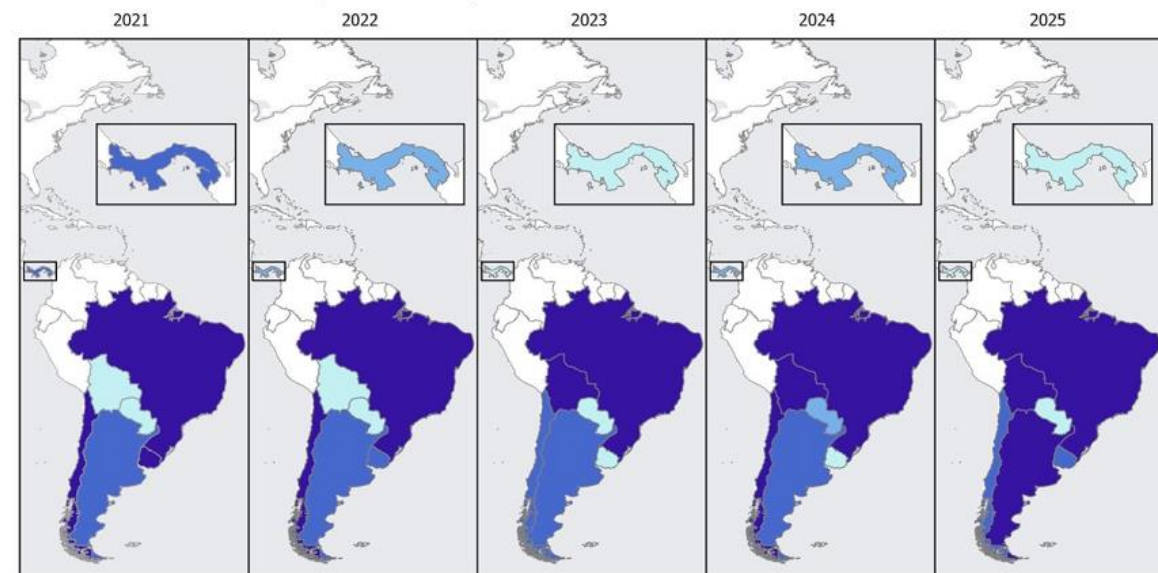
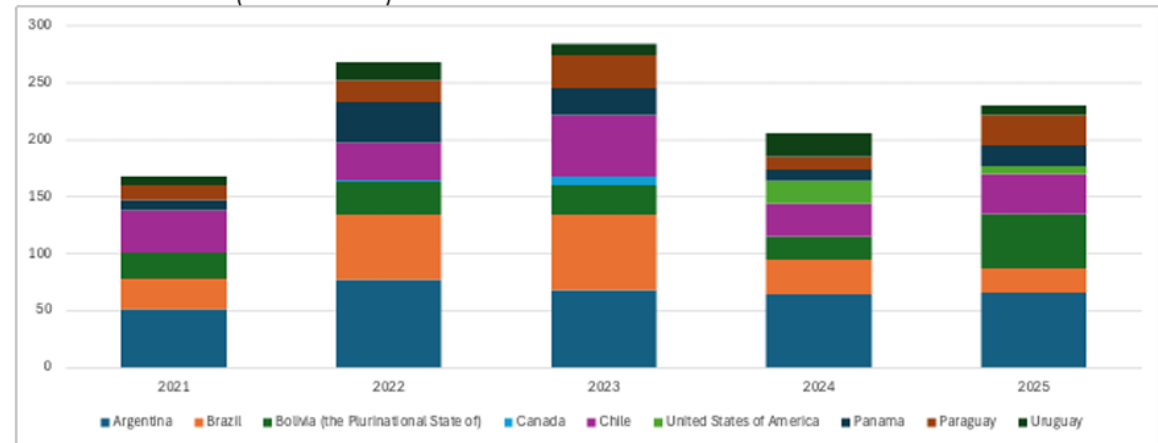
Hantavirus Pulmonary Syndrome (HPS) in Central-South America

Geographic distribution

- Endemic mainly in the Southern Cone: Argentina (highest burden) and Chile
- Also reported in Bolivia, Paraguay, Uruguay, Brazil, and Panama

Temporal trends (2021–2025)

- ~160–270 cases per year across the region
- Regional case fatality rate: ~26% with country-level variation (Brazil 55%, Argentina 32%, Chile 20%)



Andes Virus

- People usually get infected through contact with infected rodents (for Andes hantavirus: *Oligoryzomys longicaudatus*, the long-tailed pygmy rice rat) or their urine, droppings or saliva.
- Andes virus, found in South America, is a currently known hantavirus for which limited human-to-human transmission among contacts has been documented.
- No large-scale human-to-human outbreaks have been observed historically, suggesting a low probability of transmission per contact.
- Early symptoms are unspecific and can look like flu.



Clinical Manifestations of ANDV Infection

Early symptoms of HPS due to Andes virus can include:

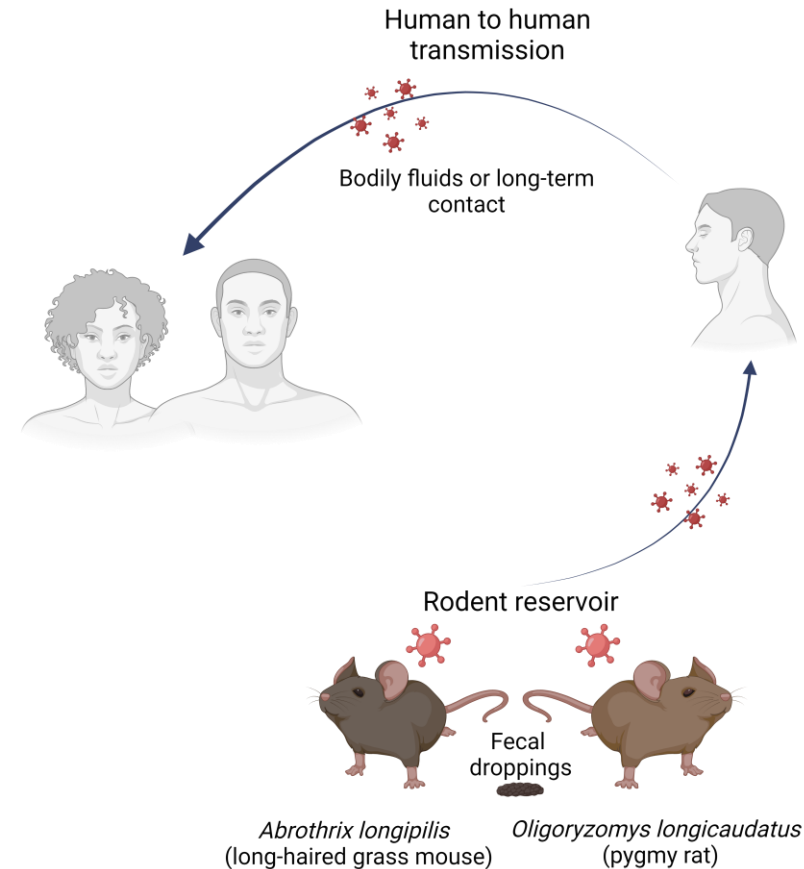
- Fatigue
- Fever
- Muscle aches, especially in the large muscle groups like the thighs, hips, back, and sometimes shoulders
- About half of all patients with HPS also experience:
 - Headaches
 - Dizziness
 - Chills
 - Abdominal problems, like nausea, vomiting, diarrhea, and abdominal pain

Typically, people are infectious while they have symptoms.

Andes Virus Transmission

The exact mode (s) through which human-to-human transmission occurs is currently **uncertain** and may include:

- contact (with an infected individual or contaminated surfaces), and/or
 - through the air (via direct deposition of infectious respiratory particles onto exposed facial mucosal surfaces (mouth, nose, or eyes), and/or
 - airborne transmission via inhalation of infectious respiratory particles).
- The virus does not exhibit transmission dynamics consistent with highly transmissible airborne pathogens (e.g., measles).



Medical Counter Measures

- Limited knowledge on transmission dynamics
- No vaccines
- No therapeutics
- Diagnosis:
 - Molecular diagnosis
 - Serological diagnosis

Andes Hantavirus Outbreak

Situation Overview – 20 May 2026

Epidemiological Overview

Situation Overview – Andes hantavirus outbreak

- On 2 May 2026, WHO received an IHR notification from the United Kingdom regarding a cluster of severe acute respiratory illness on a cruise ship (MV Hondius) headed towards Cabo Verde
 - Laboratory confirmation of **hantavirus on 2 May. Andes virus confirmed on 6 May**, both by NICD, South Africa, and HUG/CRIVE – Switzerland.
 - MV Hondius arrived in **Cabo Verde** with 147 passengers and crew from 23 countries on 2 May.
 - Two individuals with symptoms and a high-risk contact were medically evacuated from the MV Hondius to the Netherlands on 6 May.
 - Public health experts from **WHO and the European Center for Disease Prevention and Control**, and 2 medical experts from the Netherlands **joined the MV Hondius** on 6 May.
- After **arrival in Tenerife**, Spain, on 10 May, disembarkation was completed on 11 May, and the MV Hondius arrived in its home port in the Netherlands on 18 May.
- **As of 19 May 2026, there are a total of 11 cases, including three deaths**
 - **Nine confirmed cases** (1 hospitalized in South Africa, 2 in the Netherlands (ex MV Hondius), 1 in Switzerland, 1 in France, 1 in Spain, 1 in Canada), including 2 who died
 - **Two probable cases** (1 in Tristan da Cunha, and the index case who died onboard)

MV Hondius Itinerary	
01/04/24	Ushuaia, Argentina
04/04/26	Godthul, South Georgia
05/04/26	Grytviken, South Georgia
06/04/26	St. Andrews bay, South Georgia
07/04/26	Gold Harbour, South Georgia
07/04/26	Cooper Island and drygalski Fjord
13/04/26	Edinbourg of the Seven Seas, Tristan da Cunha
14/04/26	Inaccessible Island, Tristan da Cunha
15/04/26	Edinburgh of the Seven Seas, Tristan da Cunha
16/04/26	Nightingale Island, Tristan da Cunha
17/04/26	Gough Island
24/04/26	St. Helena
27/04/26	Ascension Island



Source: [Oceanwide Expeditions](https://www.oceanwideexpeditions.com/)

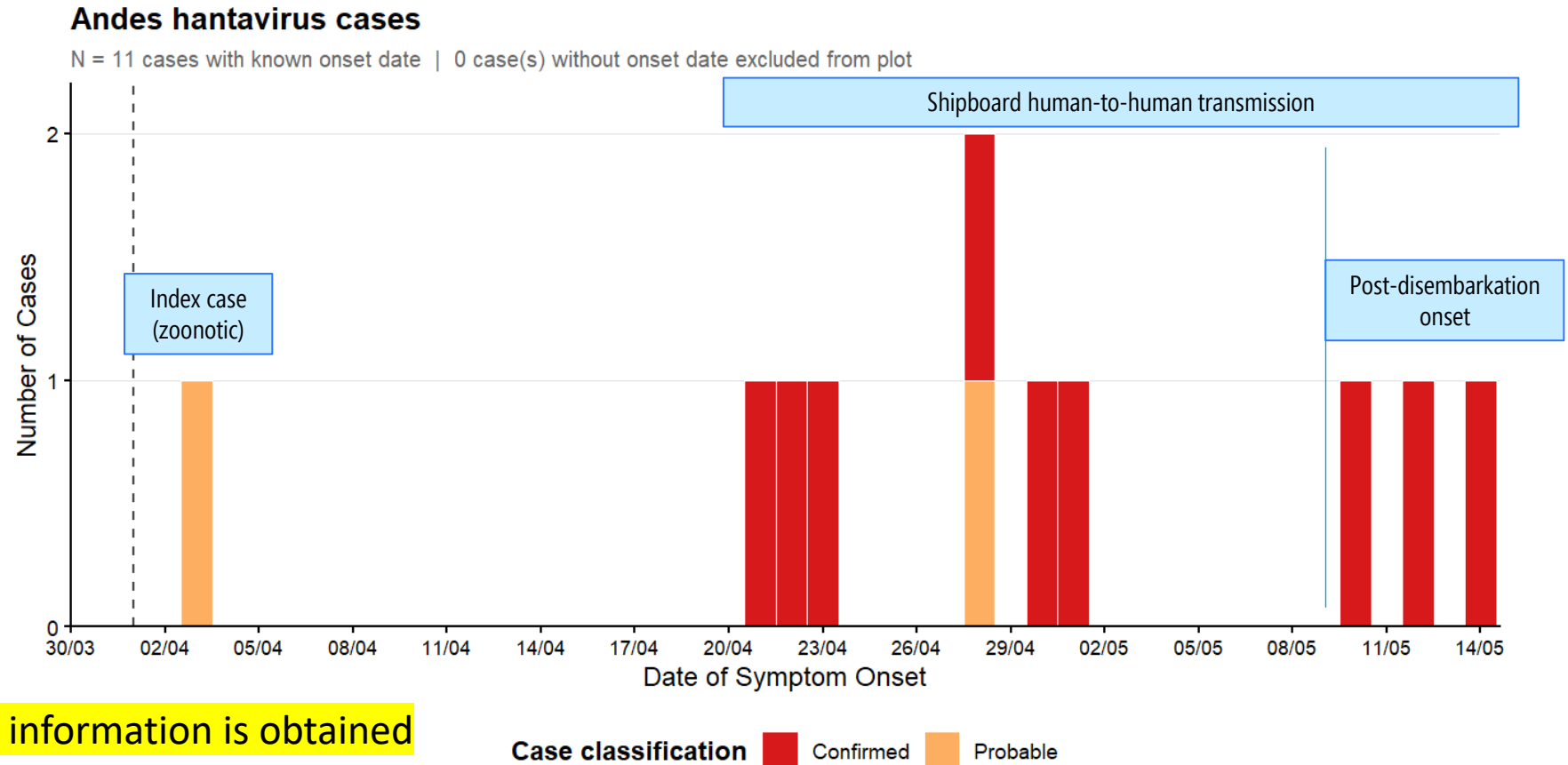
Epidemic Curve and Case Classification

as of 19 May 2026

Total of 11 cases

- 9 confirmed
- 2 probable

*3/11 deaths (27%)



Subject to change as additional information is obtained

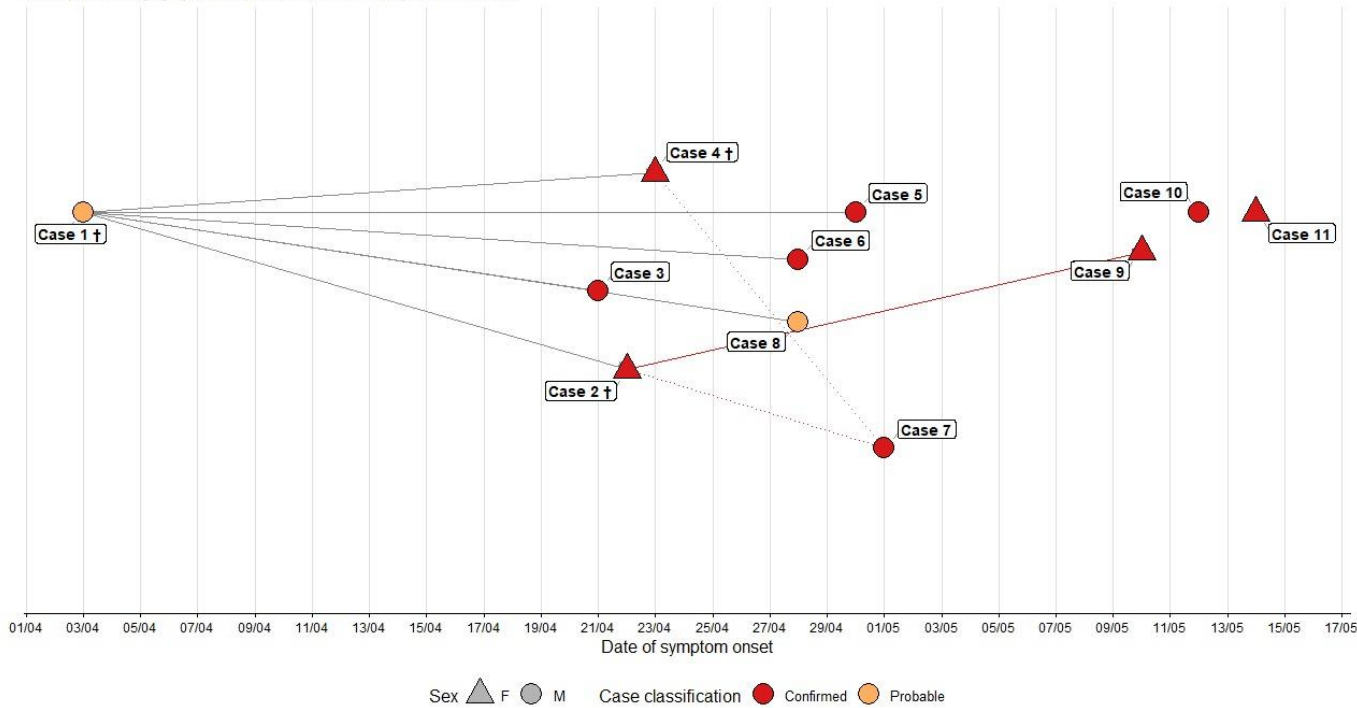
Data source: WHO | Generated: 2026-05-17

Known Chains of Transmission

as of 19 May 2026

Probable transmission chain - outbreak

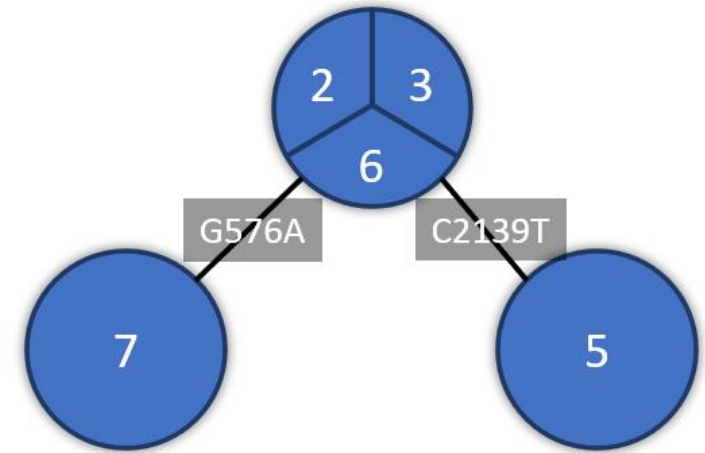
Cases positioned by symptom onset date; arrows indicate reported source case



Generated: 2026-05-19

Subject to change as additional information is obtained

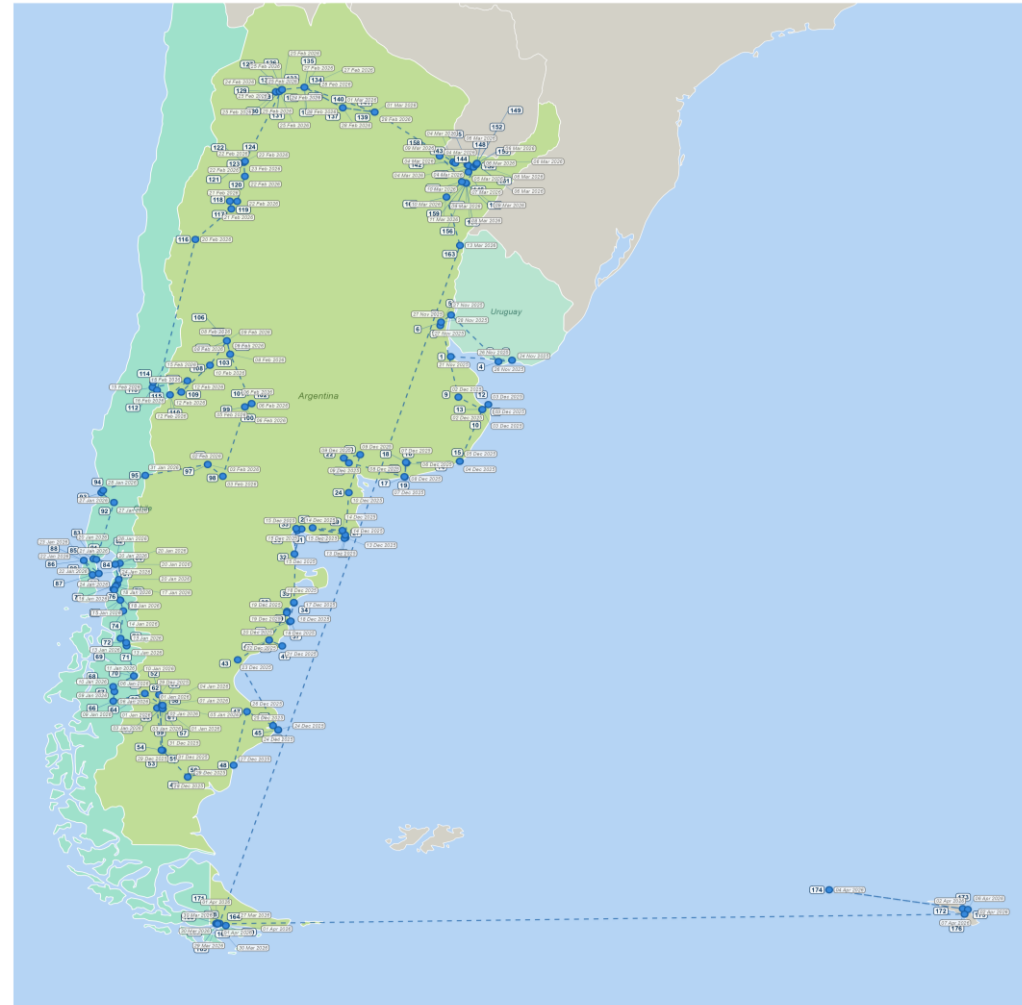
Minimum spanning tree of sequenced cases



The overall high level of genetic similarity — with a maximum of one detected SNP per individual — strongly suggests that the outbreak originated from a single zoonotic spillover event

[Preliminary analysis of Orthohantavirus andesense virus sequences from a cruise-ship related cluster, May 2026 - Hantavirus - Virological](#)

Birding Route of Index Case (data from ebird.com)



Data: personal eBird checklists • WHO database | Map: Natural Earth

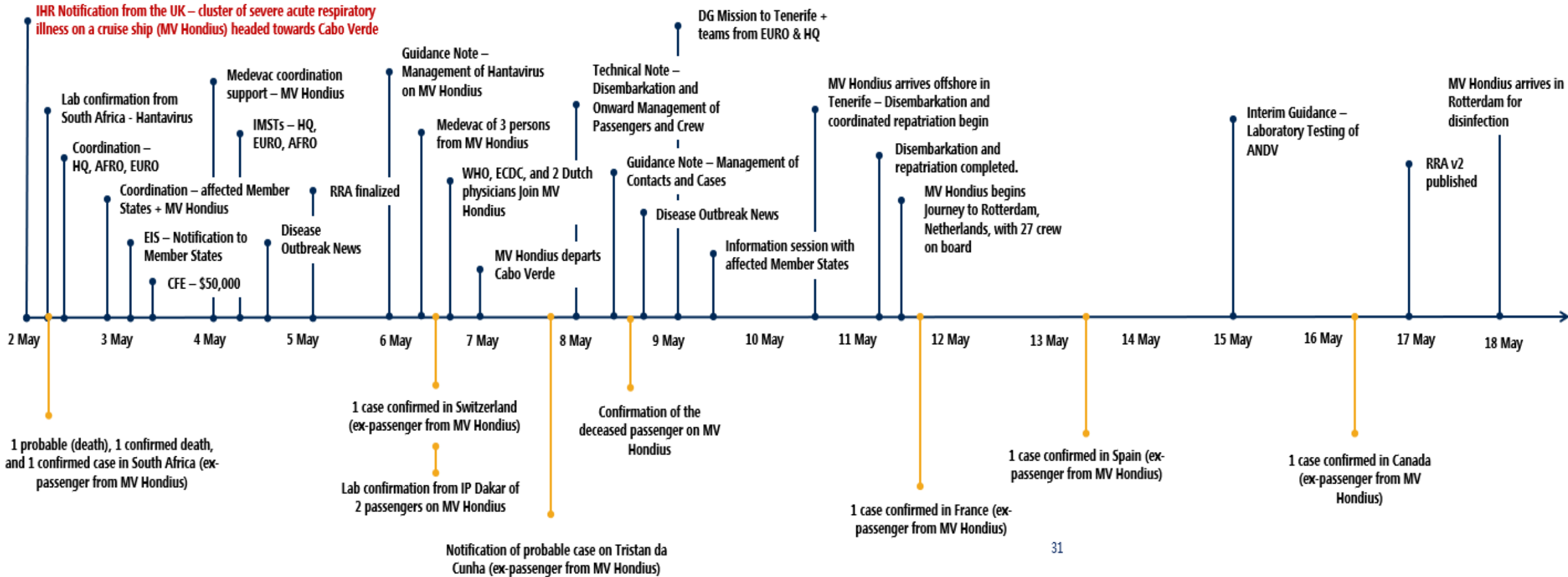
Should we expect more cases?

- Stringent public health measures implemented on board following case detection have likely substantially **reduced the risk of further transmission**.
- Three confirmed cases have had onset of symptoms after disembarkation in Tenerife, and given the long incubation period of the disease, it is possible that **additional cases may still occur among exposed individuals currently in their incubation phase**.
- Given previous experience of events even in close quarters (parties, the ship), transmission requires significant **exposure to symptomatic** individuals, and rarely continues for more than **2-3 generations**

WHO CONTINUES TO CONSIDER THE GLOBAL RISK TO BE LOW

WHO Response Overview

Andes Hantavirus Outbreak – Response Timeline



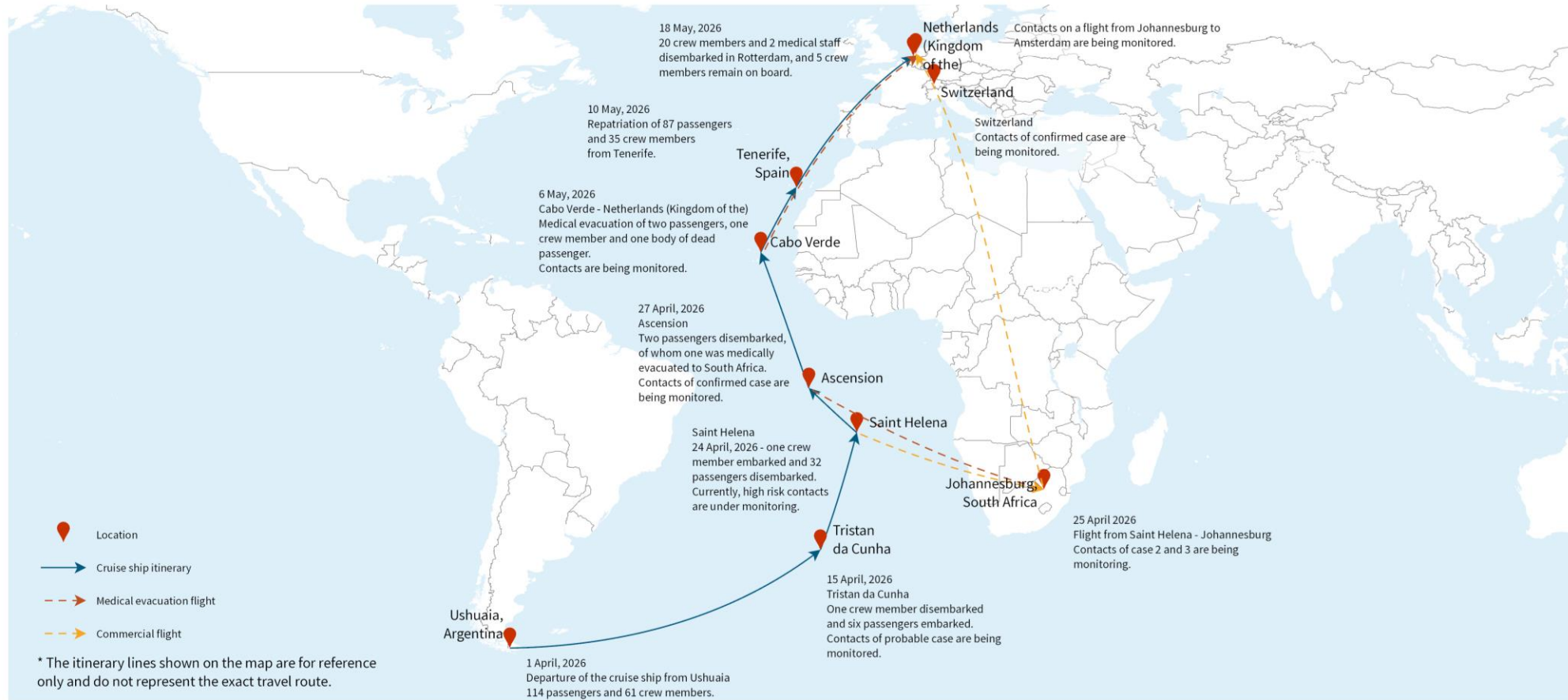
WHO Response Overview

- **Operating on a 'no regrets' basis** across the 3-levels of the Organization since 2 May 2026 with a **goal of total containment**
- Continued **engagement with National IHR Focal Points** – timely information sharing, coordination of response actions, and international contact tracing.
- **High-level discussions with Heads of State to facilitate the safe passage of the MV Hondius**
- **Coordination support for the medical evacuation** of passengers from the MV Hondius from 4 – 6 May.
- Supported **coordination across laboratories**, including logistics support for reference material and key reagents.
- Supported coordination with partners and Member States to **share information on epidemiology, laboratory, clinical management, and infection prevention and control**.
- Coordination of **research** into the natural history of Andes hantavirus infection, disease and treatment

Contact Follow-up

- **As of 19 May 2026, more than 490 contacts** have been identified and are under quarantine or health monitoring by local health authorities in at least **29 countries and territories**. These include:
 - **30 passengers who disembarked from the ship between 14 and 27 April, before the outbreak was detected.**
 - 146 passengers and crew from the ship who disembarked after the detection of the outbreak, including 5 crew members who remained onboard the ship in Rotterdam, the Netherlands.
 - **More than 100 passengers from two flights** who were in contact with one of the confirmed cases (case number 2).
 - **Additional contacts** of confirmed and probable cases, including health care workers, airport and port health officials, security personnel, cleaners, and other close contacts.
- **On 11 May 2026, WHO recommended that State Parties** communicate about the health status of high-risk and low-risk contacts being monitored at least once a week.
- **The process of mapping all contacts identified is still ongoing**, with information shared by Member States via IHR and support from WHO Regional Offices

Hantavirus cruise ship outbreak - contact tracing timeline



The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of WHO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: World Health Organization
 Map Production: WHO Health Emergencies Programme
 Map Date: 20 May 2026

0 1,500 3,000 Km



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Key WHO Recommendations

- **WHO recommends a precautionary approach with a focus on total containment to minimize the onward risk of transmission, guided by the following:**
 - Evidence of human-to-human transmission – generally requires prolonged, close exposure, but highly infectious individuals may infect others with less contact.
 - Uncertainty about the modes(s) of transmission and which is dominant if there are multiple routes of transmission.
 - If infection occurs, severe disease is common.
- **Contact Identification and Management**
 - Due to the uncertainty around potential exposure while on board the MV Hondius, all passengers and crew members are considered high-risk contacts.
 - For all **high-risk contacts**, active monitoring within a designated **facility or home quarantine is recommended for 42 days** following the last known exposure.
 - Based on current evidence, the probability of safe release from quarantine is around **96% at the end of the recommended 42 day period.**