# North Carolina Department of Health and Human Services Division of Public Health • Epidemiology Section Communicable Disease Branch



First

Patient's Last Name



Middle

# HANTAVIRUS INFECTION Confidential Communicable Disease Report—Part 2 NC DISEASE CODE: 67

## ATTENTION HEALTH CARE PROVIDERS:

Birthdate (mm/dd/yyyy)

Please report relevant clinical findings about this disease event to the local health department.

ATTENTION Local Health Department Staff: There is no Part 2 Wizard for this disease. Enter all information from this form into the NC EDSS question packages.

If sending this form to the Health Care Provider, remember to attach a cover letter from your agency indicating the part(s) of the form the provider should complete.

Maiden/Other

Suffix

						55N						
NC EDSS Verify if lab results for this event are in NC EDSS. If not present, enter results.  LAB RESULTS												
Specimen Specimen # S	Specimen Typ Source	e of Test	Test Result(s)	Description (comments)	Result Date	Lab Name—City/State						
1 1					/ /							
1 1					1 1							
1 1					1 1							
CLINICAL FINDINGS		_	REDISPOSING (			I/QUARANTINE/CONTROL MEASURES						
Is/was patient symptomatic for this disease?  If yes, symptom onset date (mm/Fever	/dd/yyyy):	Any Special Sp	REATMENT the patient receivs illness?	ve an antiviral for e:	Restrictions freedom of If yes, special If yes, special If yes, special If yes, special If yes, when the If yes, when If yes, when the If yes, when the If yes, when the If yes, when If yes, when the If yes, when If y	alth director or designee implement control measures?						

Patient's First Name	Middle	Last	Suffix	Maiden/Other	Alias	Birthdate (mm/dd/yyyy)	
						SSN	
CLINICAL OUTCOMES		ANIMAL EX	POSURE		OUTDOOR EXPOSURE		
Discharge/Final diagnosis:				nset of symptoms,		rior to onset of symptoms,	
		did the patie	ent have exposi	ure to rodents	did the patient part	cipate in any outdoor	
Survived?				ent products, or rodent	activities? If yes, specify:	□Y □N □U	
Died? Died from this illness?			y and give detail		ii yes, specily.		
		Ussabald.					
Date of death (mm/dd/yyyy): Autopsy performed?			pets (rodents)?		Was patient exposed Select animal exposed	I to wild rodents? \( \sum \text{Y} \sum \text{N} \subseteq \text{U}	
Patient autopsied in NC?	⊔Y ∐N ∐U		wn, work at, or	visit a pet store, animal	Rats	116(3)	
County of autopsy:				der/wholesaler/ □ Y □ N □ U	Mice		
☐ Autopsied outside NC,			v and give detail		Other	he rodent?	
specify where:Source of death information (se			, ,		Animal was:		
Death certificate	lect all that apply):				☐ Alive ☐ Dea	d □Unknown	
Autopsy report final conclus		Did patient ha	ndle anv rodents	s? □ Y □ N □ U	•	□Y □N □U	
Hospital/physician discharg	ge summary	Species:	<b>,</b>		Exposed on (date) (	(mm/dd/yyyy)://	
Other							
TRAVEL & IMMIGRATION The patient is:		Did it/they app	pear sick?				
Resident of NC							
Resident of another state of	r US territory						
☐ None of the above		Did patient w	ork with animal				
Did patient travel during the 4	5 days	importation	?				
prior to onset of symptoms?	/	If yes, specif	y and give details	S:			
Travel dates:					CASE INTERVIEW	VS/INVESTIGATIONS	
From:/until: _						rviewed?	
To city:		Did patient w	ork at, live on,	iry?□Y □N □U		nm/dd/yyyy)://	
To country:  Does patient know anyone els	se with similar		y and give detail		Were interviews cou	nducted	
symptom(s) who had the sar	me or similar						
travel history?		<b>!</b>			Who was interviewe	ed?	
Name:		Was patient e	exposed to anim	nals associated with	Were health care pr	oviders	
Additional travel/residency information:				omestic/semi-domestic	consulted? Who was consulted	□Y □N □U	
			y and give detail				
					Medical records rev	iewed (including telephone review staff)? ☐ Y ☐ N ☐ U	
						edical records were not reviewed:	
OTHER EXPOSURE INFOR	RMATION	Did patient ha	ave exposure to	rodent excreta	1 , , , , , , , , , , , , , , , , , , ,		
Does the patient know anyone							
similar symptoms?		ii yes, specii	If yes, specify and give details:			ecord verification:	
If yes, specify:							
		Did patient w	ork in a veterina	ary practice or animal			
Has the patient ever served in			animal research				
the U.S. military? If yes, specify and give details:		biomedical	laboratory, or a	n animal □ Y □ N □ U	CEOCRAPHICAL	CITE OF EXPOSURE	
il yes, specily and give details.			y and give detail			SITE OF EXPOSURE	
			-		MOST LIKELY exp	location was the patient osed?	
					Specify location:		
					☐ In NC		
			ecropsy rodents y and give detail	s?	City		
LIEALTH CARE FACILITY	NID	ii yes, specii	y and give details	5.	County		
HEALTH CARE FACILITY A BLOOD & BODY FLUID EX	AND	Ì			Outside NC, but		
During the 45 days prior to or		1			City		
the patient work in a laborato	ry?□Y □N □U						
If yes, specify and give details:							
					Outside US		
					Unknown  Is the patient part of	f an outhreak of	
						Y N	
					Notes:		
I		1			1		

# Hantavirus Pulmonary Syndrome (Hantavirus Disease) (HPS)

#### 2010 Case Definition

CSTE Position Statement Number: 09-ID-17

# Clinical description

Hantavirus pulmonary syndrome (HPS), commonly referred to as hantavirus disease, is a febrile illness characterized by bilateral interstitial pulmonary infiltrates and respiratory compromise usually requiring supplemental oxygen and clinically resembling acute respiratory disease syndrome (ARDS). The typical prodrome consists of fever, chills, myalgia, headache, and gastrointestinal symptoms. Typical clinical laboratory findings include hemoconcentration, left shift in the white blood cell count, neutrophilic leukocytosis, thrombocytopenia, and circulating immunoblasts.

## Clinical case definition

An illness characterized by one or more of the following clinical features:

- A febrile illness (i.e., temperature greater than 101.0° F [greater than 38.3° C]) corroborated by bilateral diffuse interstitial edema or a clinical diagnosis of acute respiratory distress syndrome (ARDS) or radiographic evidence of noncardiogenic pulmonary edema, or unexplained respiratory illness resulting in death, and occurring in a previously healthy person
- An unexplained respiratory illness resulting in death, with an autopsy examination demonstrating noncardiogenic pulmonary edema without an identifiable cause.

# Laboratory criteria for diagnosis

- · Detection of hantavirus-specific immunoglobulin M or rising titers of hantavirus-specific immunoglobulin G, or
- Detection of hantavirus-specific ribonucleic acid sequence by polymerase chain reaction in clinical specimens, or
- · Detection of hantavirus antigen by immunohistochemistry.

#### Case classification

**Confirmed:** A clinically compatible case that is laboratory confirmed.

#### Comment

Laboratory testing should be performed or confirmed at a reference laboratory. Because the clinical illness is nonspecific and ARDS is common, a screening case definition can be used to determine which patients to test. In general, a predisposing medical condition (e.g., chronic pulmonary disease, malignancy, trauma, burn, and surgery) is a more likely cause of ARDS than HPS, and patients who have these underlying conditions and ARDS need not be tested for hantavirus.

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