NON SEASONAL INFLUENZA A(H7N9)

Influenza A(H7N9) was classified as notifiable under non-seasonal influenza (Schedule 1 of Health Act 1956) as of 1 August 2013.

The latest guidelines published by the Ministry of Health can be accessed from www.health.govt.nz/our-work/emergency-management/pandemic-planning-and-response/avian-influenza-bird-flu

Basis of diagnosis

Clinical criteria	
Symptoms	Select all that apply and specify any other symptoms present.
Pneumonia	Indicate whether case had pneumonia. If not known or unavailable then select the 'Unknown' option.
Radiological/imaging evidence of pneumonia	If case had pneumonia, indicate whether there was any radiological/imaging evidence of pneumonia. If the results are not yet available, select 'Awaiting results'. Select 'Not Done' if test was not conducted.
Respiratory Distress Syndrome (ARDS)	Indicate whether the case had been diagnosed as having acute respiratory distress syndrome (ARDS). If not known or unavailable then select the 'Unknown' option.
Ventilation required	Indicate whether mechanical ventilation was required. If not known or unavailable then select the 'Unknown' option.
Laboratory criteria	
Form of laboratory confirmation	For each form of laboratory confirmation: Select the 'Yes' option if the laboratory test results were positive or select the 'No' option if negative. If the results of the laboratory test are not yet available, select 'Awaiting results'. If any of the laboratory tests were not carried out, select 'Not Done'. If other tests were positive, select the checkbox and specify type of test and results.
Exclusion of other respiratory pathogens	If no laboratory tests were conducted, indicate whether other respiratory pathogens have been excluded. If not known or unavailable then select the 'Unknown' option.
Confirmation of disease	Indicate whether case was confirmed with non seasonal influenza A(H7N9) by the WHO National Influenza Centre. If the results of the laboratory test are pending, select 'Awaiting results'. If laboratory tests were not carried out by the WHO National Influenza Centre, select 'Not Done'. If not known or unavailable then select the 'Unknown' option.
Epidemiological criteria	
Travel to area with confirmed cases	Indicate whether the case had travelled to area with confirmed case in the 14 days before symptom onset. Refer to Ministry of Health guidelines for area(s) affected. If not known or unavailable then select the 'Unknown' option.

Close contact with a laboratory-confirmed case	Indicate whether the case had close contact with a laboratory-confirmed case in the 14 days before symptom onset. If not known or unavailable then select the 'Unknown' option. Close contact include: • any person who provided care for the case or who had other similarly close physical contact in the 14 days before symptom onset; this includes health care workers or family members • any person who stayed in the same place (e.g. household, office) as a probable or confirmed case while the case was symptomatic. If 'Yes' to close contact, specify nature of contact with laboratory-confirmed case, e.g. household member, work colleague, etc
Additional laboratory details	
Susceptibility testing results	Indicate the susceptibility testing results (if available) for oseltamivir phosphate (Tamiflu®) and zanamivir (Relenza®)

Classification

Classification	**Under investigation** – a person with a Severe Acute Respiratory Infection (SARI)[1] AND with one or more of the following exposures during the 2 weeks prior to the onset of symptoms: • travel to a country[2] where human cases of H7N9 influenza have recently been reported, especially if there was recent direct or close contact with animals (e.g. wild birds, poultry or pigs). • close contact[3] with a laboratory-confirmed case. **Probable** – a person fitting the definition of a suspected case but with no possibility of laboratory confirmation for H7N9 influenza, either because the patient or samples are not available for testing AND not already explained by any other infection or aetiology, including all clinically indicated tests for community acquired pneumonia according to local management guidelines. **Confirmed** – A person with laboratory confirmation of infection with H7N9 influenza at the WHO National Influenza Centre (ESR, NCBID). **Not a case** – a case that has been investigated, and subsequently found not to meet the case definition. [1] *An acute respiratory illness with a history of fever or measured fever of ≥38°C, AND cough, AND onset within the past two weeks, AND requiring inpatient hospitalisation (defined as a patient who is admitted under a medical team and to a hospital ward or assessment unit).* [2] *Currently, China (excluding Hong Kong) is the only country that has recently reported human cases of H7N9 influenza.* [3] *Close contacts include:* • *any person who provided care for the case or who had other similarly close physical contact in the 14 days before symptom onset; this includes health care workers or family members* • *any person who stayed in the same place (e.g. household, office) as a probable or confirmed case while the case was symptomatic.*

Risk factors

Overseas travel	Indicate whether the case was overseas during the 14 days before symptom onset. If 'Yes' • record the date of arrival in New Zealand and flight number • list the last 3 countries visited starting with the most recent country • record the date of entry and departure for each country If not known or unavailable then select the 'Unknown' option.
Contact with birds (overseas)	If 'Yes' to overseas, indicate whether the case visited any places where close contact with birds was possible or environment(s) contaminated with bird faeces while overseas. If 'Yes', indicate whether the case had close contact with or handled birds. If not known or unavailable then select the 'Unknown' option.
Contact with birds (New Zealand)	Indicate whether the case had contact with raw bird meat or other avian products during the 14 days before symptom onset in New Zealand. If not known or unavailable then select the 'Unknown' option. Indicate whether the case had contact with domestic birds[4], wild birds or other at risk animals during the 14 days before symptom onset in New Zealand. If not known or unavailable then select the 'Unknown' option. [4] *Birds that are commonly reared for their flesh, eggs, feathers or fighting, and kept in a yard or similar enclosure.*
Laboratory worker or visitor	Indicate whether the case was a worker in or a visitor to a laboratory where avian influenza viral samples are tested during the 14 days before symptom onset. If 'Yes', specify details of contact, i.e. laboratory visited, length of visit, whether the case had contact with samples, etc.
Risk of severe complications	For each factor, select the 'Y' option if the case had the risk factor or the 'N' option if the case did not have the risk factor. If not known or unavailable then select the 'U' option.
Other risk factors	Specify any other risk factors under surveillance for the disease if they were present.

Protective factors

Seasonal influenza vaccination	Indicate whether the case received a seasonal influenza vaccination in the 12 months before symptom onset. If 'Yes' specify the date of the last vaccination.

Management

Case management/control	
Exclusion from work or school/pre-school/childcare	Indicate whether the case was excluded from work or school/pre-school/childcare for the appropriate period (refer to the latest guidelines by the Ministry of Health). If the case does not attend work or school/pre-school/childcare select the 'NA' option. If not known or unavailable, then select the 'Unknown' option.

Infection prevention and control advice	Indicate whether the case was given appropriate infection prevention and control advice (refer to the latest guidelines by the Ministry of Health). If not known or unavailable, then select the 'Unknown' option.
Isolation	
Isolation request	Indicate whether case received a verbal request from the PHU and/or an isolation order under section 79 of the Health Act 1956. If 'Yes', record the date of request/order served and person who requested/served the isolation order
Isolation details	Indicate whether the case was not isolated, isolated at home or isolated at a facility (specify facility). If case was isolated, record the dates of isolation period.
Notes	Record any other necessary notes regarding isolation.
Contact management	
Contacts	Specify the total number of contacts identified for each contact setting. Of the total number identified, specify the following for each contact setting: • number that have been counselled • number showing respiratory symptoms • number given post-exposure prophylaxis • number isolated by PHU verbal request • number isolated under section 79 of Health Act 1956.
Other setting	If the case has an additional setting not listed (e.g., marae, church, camp), record the setting type and complete the contact numbers as above.
Anti-viral status	
Anti-viral treatment	Indicate whether the case received anti-virals.
Purpose of antiviral treatment	If case received anti-virals, specify whether purpose of anti-viral administration was pre-exposure prophylaxis, post-exposure prophylaxis or treatment. Select 'Unknown' if information was unavailable or not known. If 'pre-exposure prophylaxis', indicate whether case took any of the specified medications in the 14 days before symptom onset and date stated.
Source of anti-viral supply	If case received anti-virals, specify the source of anti-viral supply.
Non-treatment reason	If treatment was considered and not given, specify the reason.
Antibiotic status	
Antibiotic treatment	Indicate whether case had received antibiotic treatment for this illness. If 'Yes', specify the antibiotic type given.