

ENHANCED RESPIRATORY VIRUS SURVEILLANCE, WISCONSIN 2014



Wisconsin Division of Public Health, Bureau of Communicable Diseases and Emergency Response

Respiratory Virus	Middle East Respiratory Syndrome (MERS CoV)	Influenza A H5N1	Influenza A H7N9
Criteria for Testing			
Exposure Events/Countries*	<ul style="list-style-type: none"> History of travel from the Arabian Peninsula**** or neighboring countries; OR A close contact** to a symptomatic person with the above risk factor. 	<ul style="list-style-type: none"> Return from an area where H5N1 infection has been detected** or where H5N1 viruses circulate in animals: OR A close contact*** to a symptomatic person with the above risk factor; OR Persons with unprotected exposure to H5N1 virus in a laboratory setting. 	<ul style="list-style-type: none"> Return from China; OR A close contact*** to a symptomatic person with the above risk factor.
Exposure Timeline	Within 14 days prior to illness onset	Within 10 days prior to illness onset	Within 10 days prior to illness onset
Signs and Symptoms	<p>All three of the following criteria must be met:</p> <ul style="list-style-type: none"> Fever ($\geq 100.4^{\circ}\text{F}$) Cough Suspicion of pulmonary parenchymal disease (e.g., pneumonia or acute respiratory distress syndrome based on clinical or radiological evidence of consolidation) 	<p>Two or more of the following:</p> <ul style="list-style-type: none"> Fever Cough Sore throat Rhinorrhea Nasal congestion Body aches 	<p>Two or more of the following:</p> <ul style="list-style-type: none"> Fever Cough Sore throat Rhinorrhea Nasal congestion Body aches
Specimens to be collected and submitted to the Wisconsin State Laboratory of Hygiene	<p>Preferred</p> <ul style="list-style-type: none"> Lower respiratory tract specimen such as (induced) sputum, bronchoalveolar lavage, bronchial wash, or tracheal aspirate <p>Secondary</p> <ul style="list-style-type: none"> NP swab or Stool 	<p>Preferred</p> <ul style="list-style-type: none"> Nasopharyngeal (NP) swab <p>Secondary</p> <ul style="list-style-type: none"> Oropharyngeal (OP) swab 	<p>Preferred</p> <ul style="list-style-type: none"> Nasopharyngeal (NP) swab <p>Secondary</p> <ul style="list-style-type: none"> Oropharyngeal (OP) swab

* At the discretion of DPH, exposure to similar events or countries in the vicinity of those specifically named may be approved for testing.
 ** List of countries with H5N1 http://www.who.int/influenza/human_animal_interface/EN_GIP_20131210CumulativeNumberH5N1cases.pdf.
 *** Close contact is defined as providing care for the ill patient, or having similar close physical contact; or who stayed at the same place (e.g. lived with, or visited the patient when the patient was ill).
 **** Countries considered in the Arabian Peninsula and neighboring countries include: Bahrain, Iraq, Iran, Israel, Jordan, Kuwait, Lebanon, Oman, Palestinian territories, Qatar, Saudi Arabia, Syria, the United Arab Emirates (UAE), and Yemen.