


## Madison County Advisory System\* for Seasonal, Novel, and Pandemic Influenza Activity

Draft Revised 05/26/09

### GEOGRAPHIC SPREAD OF INFLEUNZA

	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	No Activity	Sporadic	Local	Regional	Widespread	Severe
<b>NATIONAL</b> CDC Seasonal Influenza Activity	No lab-confirmed cases of influenza and no reported increase in the number of cases of ILI.	Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.	Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.	Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.	Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.	<i>Defined by Madison County as:</i> Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least 75% of the regions of the state with recent laboratory evidence of influenza in the state.
<b>STATE</b> NYS Seasonal Influenza Activity	Low influenza activity and no lab-confirmed cases	Isolated lab-confirmed flu and ILI activity is not increasing OR lab-confirmed outbreak in one institution and ILI activity is not increasing.	Increased ILI in one region; ILI activity in other regions are not increasing and lab evidence of influenza in region within the past three weeks with increased ILI OR two or more institutional outbreaks (ILI or lab-confirmed) in one region; ILI activity in other regions are not increasing and lab evidence of influenza in region with the outbreaks within the past three weeks; virus activity is no greater than sporadic in other regions.	Increased ILI in = two but less than half of the regions and lab confirmed influenza in the affected regions within the past three weeks OR institutional outbreaks (ILI or lab confirmed) in = two and less than half of the regions and lab confirmed influenza in the affected regions within the past three weeks.	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions and lab confirmed influenza in the state within the past three weeks.	<i>Defined by Madison County as:</i> Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least 75% of the regions and lab confirmed influenza in the state within the past three weeks.
<b>LOCAL</b> Madison County Seasonal Influenza Activity	No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI among partner agencies.	A laboratory-confirmed influenza case, but there is no increase in cases of ILI among partner agencies.	Outbreaks of influenza or increases in ILI cases limited to a geographical area or to an institution (healthcare, school, etc.).	Outbreaks of influenza or increases in ILI in at least 2 limited areas of the county or an institution.	Outbreaks of influenza or increases in ILI cases in multiple areas of the county and institutions.	Outbreaks of influenza or increases in ILI cases in all the parts of the county and institutions.

PANDEMIC INFLUENZA						
	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6
<p><b>WHO Pandemic Phase Description</b></p>  <p><b>Phases 1-3</b> Predominately animal infections; few human infections.</p> <p><b>Phase 4</b> Sustained human to human transmission.</p> <p><b>Phases 5-6</b> Pandemic- Widespread human infection.</p> <p><b>Post Peak</b> Possibility of recurrent events.</p> <p><b>Post Pandemic</b> Influenza disease activity returns to normal seasonal levels.</p>	<p>No viruses circulating among animals have been reported to cause infections in humans.</p>	<p>An animal influenza virus circulating among domesticated or wild animals is known to have caused infection in humans, and is therefore considered a potential pandemic threat.</p>	<p>An animal or human-animal influenza reassortant virus has caused sporadic cases or small clusters of disease in people, but has not resulted in human-to-human transmission sufficient to sustain community-level outbreaks. Limited human-to-human transmission may occur under some circumstances, but limited transmission under restricted circumstances does not indicate that the virus has gained the level of transmissibility among humans necessary to cause a pandemic.</p>	<p>Verified human-to-human transmission of an animal or human-animal influenza reassortant virus able to cause "community-level outbreaks." The ability to cause sustained disease outbreaks in a community marks a significant upwards shift in the risk for a pandemic. A significant increase in risk of a pandemic but does not necessarily mean that a pandemic is a forgone conclusion.</p>	<p>Human-to-human spread of the virus into at least two countries in one WHO region. While most countries will not be affected at this stage, the declaration of Phase 5 is a strong signal that a pandemic is imminent and that the time to finalize organization, communication, and implementation of planned mitigation measures is short.</p>	<p>Pandemic phase characterized by community level outbreaks in at least one other country in a different WHO region in addition to the criteria defined in Phase 5. Designation of this phase will indicate that a global pandemic is under way.</p>

**ILI (Influenza Like Illness)** is defined as fever (temperature of  $\geq 100^{\circ}\text{F}$  [ $37.8^{\circ}\text{C}$ ]) and a cough and/or a sore throat in the absence of a KNOWN cause other than influenza.

\*Note that the advisory system indicates geographic spread of both seasonal and novel influenza viruses; the advisory system DOES NOT measure severity of influenza activity.