

## V. STRATEGY

The World Health Organization (WHO) has created six phases of increased public health risk associated with an influenza virus having the potential to cause a pandemic. In addition to the pandemic phases, the federal government developed six response stages for a pandemic, with each stage requiring governmental actions.

The NJ State Pandemic Influenza Response Plan has ten situations that trigger responses within NJ's critical infrastructure sectors. The NJDHSS Operations Plan further divides these situations by adding five situations that are geographically NJ specific and two situations described as "Increased and sustained transmission in the general population" and "Between Waves." As the situations change, NJDHSS notifies internal and external partners. Table 1 below depicts the relationship between the WHO phases, Federal stages, NJ State Pandemic Influenza Response Plan situations and NJDHSS situations.

**Table 1\* - Comparison of WHO Global Pandemic Phases, Stages for the Federal Government Response, NJ Situations, and NJDHSS Situations**

\* U.S. Government stages 1 through 3 and New Jersey situations assume that the emergence of the pandemic strain will occur in another country. If the initial outbreak happened in the United States, U.S. Government Stage 4, the U.S. Government's goal would be to slow the spread of infection within the United States.

The New Jersey State Plan situations 1 through 5 assume that the pandemic strain will emerge in humans outside the U.S. In the NJDHSS Plan, situations have been expanded to include the possibility that the pandemic strain can emerge anywhere in the world, including NJ, and therefore, they do not parallel the U.S. and NJ Situations.

FROM <http://www.hhs.gov/pandemicflu/implementationplan/intro.htm#tab2>

WHO Phases		US Response		NJ Situations (State Plan)		NJDHSS Situations (NJDHSS Plan)	
<b>Inter-Pandemic Period</b>							
1	No new influenza virus subtypes have been detected in humans. An influenza subtype that has caused human infection may be present in animals. If present in animals, the risk of human disease is considered to be low	0	New domestic animal outbreak in at-risk country	1	Novel (new) influenza virus in birds or other animals outside the US	1/2 A	Novel (new) influenza virus in birds or other animals overseas
				2	Novel (new) influenza virus in birds or other animals in the US/NJ	1/2 B	Novel (new) influenza virus in birds or other animals in North America
2	No new influenza virus subtypes have been detected in humans. However, a circulating animal influenza virus subtype poses a substantial risk of human disease.					1/2 C	Novel (new) influenza virus in birds or other animals in NJ
<b>Pandemic Alert Period</b>							
3	Human infection(s) with a new subtype, but no human-to-human spread, or at most, rare instances of spread to a close contact.	0	(Same as above)	3	Human case of novel (new) influenza virus outside of the US	3 A	Human case of novel (new) influenza virus (no or very limited human spread) overseas
						3 B	Human case of novel (new) influenza virus (no or very limited human spread in North America
						3 C	Human case of novel (new) influenza virus (no or very limited human spread) in NJ

WHO Phases		US Response		NJ Situations (State Plan)		NJDHSS Situations (NJDHSS Plan)	
<b><i>Pandemic Alert Period</i></b>							
3	(Same as above)	1	Suspected human outbreak overseas	3	(Same as above)	3 D	First case of human spread of novel (new) influenza overseas
						3 E	First case of human spread of novel (new) influenza in North America
						3 F	First case of human spread of novel (new) influenza in NJ
4	Small cluster(s) with limited human-to-human transmission, but spread is highly localized, suggesting that the virus is not well adapted to humans	2	Confirmed human outbreak overseas	4	Human-to-human spread of novel (new) influenza outside the US (no widespread human transmission)	4 A	Clusters of cases of human spread overseas
						4 B	Clusters of cases of human spread in North America
						4 C	Clusters of cases of human spread in NJ
5	Large cluster (s), but human-to-human spread still localized, suggesting that the virus is becoming increasingly better adapted to humans, but may not yet be fully transmissible (substantial pandemic risk)	2	(Same as above)	4	(Same as above)	5 A	Widespread cases of human-to-human spread of novel (new) influenza virus overseas
						5 B	Widespread cases of human-to-human spread of novel (new) influenza virus in North America
						5 C	Widespread cases of human-to-human spread of novel (new) influenza virus in NJ

WHO Phases		US Response		NJ Situations (State Plan)		NJDHSS Situations (NJDHSS Plan)	
<b><i>Pandemic Period</i></b>							
6	Pandemic phase: increased and sustained transmission in general population	3	Widespread human outbreak in multiple locations overseas	5	Clusters of human cases outside of the US	5	(Same as above)
		4	First human case in North America	6	Human case of novel (new) influenza virus (no human spread) in the US/NJ		
		5	Spread throughout the United States	7	First case of human-to-human spread of novel (new) influenza in the US/NJ	6	Increased and sustained transmission in the general population
				8	Clusters of cases of human spread in the US/NJ		
9	Widespread cases of human-to-human spread of novel (new) influenza outside the US						
6	Recovery and preparation for subsequent waves	10	Widespread cases of human-to-human spread of novel (new) influenza in the US/NJ	Between Waves			