

# PANDEMIC INFLUENZA

## WHO Global Pandemic Phases and the Stages for Federal Government Response

WHO Phases		Federal Government Response Stages	
<b>INTER-PANDEMIC PERIOD</b>			
<b>1</b>	No new influenza virus subtypes have been detected in humans. An influenza virus 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.	<b>0</b>	New domestic animal outbreak in at-risk country
<b>2</b>	No new influenza virus subtypes have been detected in humans. However, a circulating animal influenza virus subtype poses a substantial risk of human disease.		
<b>PANDEMIC ALERT PERIOD</b>			
<b>3</b>	Human infection(s) with a new subtype, but no human-to-human spread, or at most rare instances of spread to a close contact.	<b>0</b>	New domestic animal outbreak in at-risk country
		<b>1</b>	Suspected human outbreak overseas
<b>4</b>	Small cluster(s) with limited human-to-human transmission but spread is highly localized, suggesting that the virus is not well adapted to humans.	<b>2</b>	Confirmed human outbreak overseas
<b>5</b>	Larger 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).		
<b>PANDEMIC PERIOD</b>			
<b>6</b>	Pandemic phase: increased and sustained transmission in general population.	<b>3</b>	Widespread human outbreaks in multiple locations overseas
		<b>4</b>	First human case in North America
		<b>5</b>	Spread throughout United States
		<b>6</b>	Recovery and preparation for subsequent waves

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## Stages of Federal Government Response

### STAGE 0

#### New Domestic Animal Outbreak in At-Risk Country

##### GOALS

Provide coordination, support, technical guidance  
Track outbreaks to resolution  
Monitor for reoccurrence of disease

##### ACTIONS

Support coordinated international response  
Prepare to deploy rapid response team and materiel  
Offer technical assistance, encourage information sharing

##### POLICY DECISIONS

Deployment of countermeasures

WHO Phase 1 or 2  
Inter-Pandemic Period

### STAGE 1

#### Suspected Human Outbreak Overseas

##### GOALS

Rapidly investigate and confirm or refute  
Coordination and logistical support

##### ACTIONS

Initiate dialogue with WHO  
Deploy rapid response team  
Amplify lab-based and clinical surveillance to region  
Prepare to implement screening and/or travel restrictions from affected area

##### POLICY DECISIONS

Pre-positioning of U.S. contribution to international stockpile assets  
Use of pre-pandemic vaccine

WHO Phase 3  
Pandemic Alert Period

### STAGE 2

#### Confirmed Human Outbreak Overseas

##### GOALS

Contain outbreak and limit potential for spread  
Activate domestic medical response

##### ACTIONS

Declare Incident of National Significance  
Support international deployment of countermeasures  
Implement layered screening measures; activate domestic quarantine stations  
Prepare to limit domestic ports of entry  
Prepare to produce monovalent vaccine

##### POLICY DECISIONS

Contribution to countermeasures for affected region  
Entry/exit screening criteria; isolation/quarantine protocols  
Diversion of trivalent vaccine production to monovalent  
Revise prioritization and allocation of pandemic vaccine and antiviral medications

WHO Phase 4 or 5  
Pandemic Alert Period

### STAGE 3

#### Widespread Outbreaks Overseas

##### GOALS

Delay emergence  
in North America

Ensure earliest  
warning of first case(s)

Prepare domestic containment  
and response mechanisms

##### ACTIONS

Activate domestic emergency  
medical personnel plans

Maintain layered screening  
measures at borders

Deploy pre-pandemic vaccine  
and antiviral stockpiles; divert to  
monovalent vaccine production

Real-time modeling; heighten  
hospital-based surveillance

Prepare to implement surge plans  
at Federal medical facilities

##### POLICY DECISIONS

Prioritize efforts for domestic  
preparedness and response

### STAGE 4

#### First Human Case in North America

##### GOALS

Contain first cases in  
North America

Antiviral treatment  
and prophylaxis

Implement national response

##### ACTIONS

Ensure pandemic plans  
activated across all levels

Limit non-essential  
domestic travel

Deploy diagnostic  
reagents for pandemic  
virus to all laboratories

Continue development of  
pandemic vaccine

Antiviral treatment and targeted  
antiviral prophylaxis

##### POLICY DECISIONS

Revision of prioritization  
and allocation scheme for  
pandemic vaccine

### STAGE 5

#### Spread throughout United States

##### GOALS

Support community response

Preserve critical infrastructure

Mitigate illness, suffering,  
and death

Mitigate impact to economy  
and society

##### ACTIONS

Maintain overall  
situational awareness

Evaluate epidemiology;  
provide guidance on  
community measures

Deploy vaccine if available;  
prioritization guidance

Sustain critical infrastructure,  
support health and medical  
systems, maintain civil order

Provide guidance on use of  
key commodities

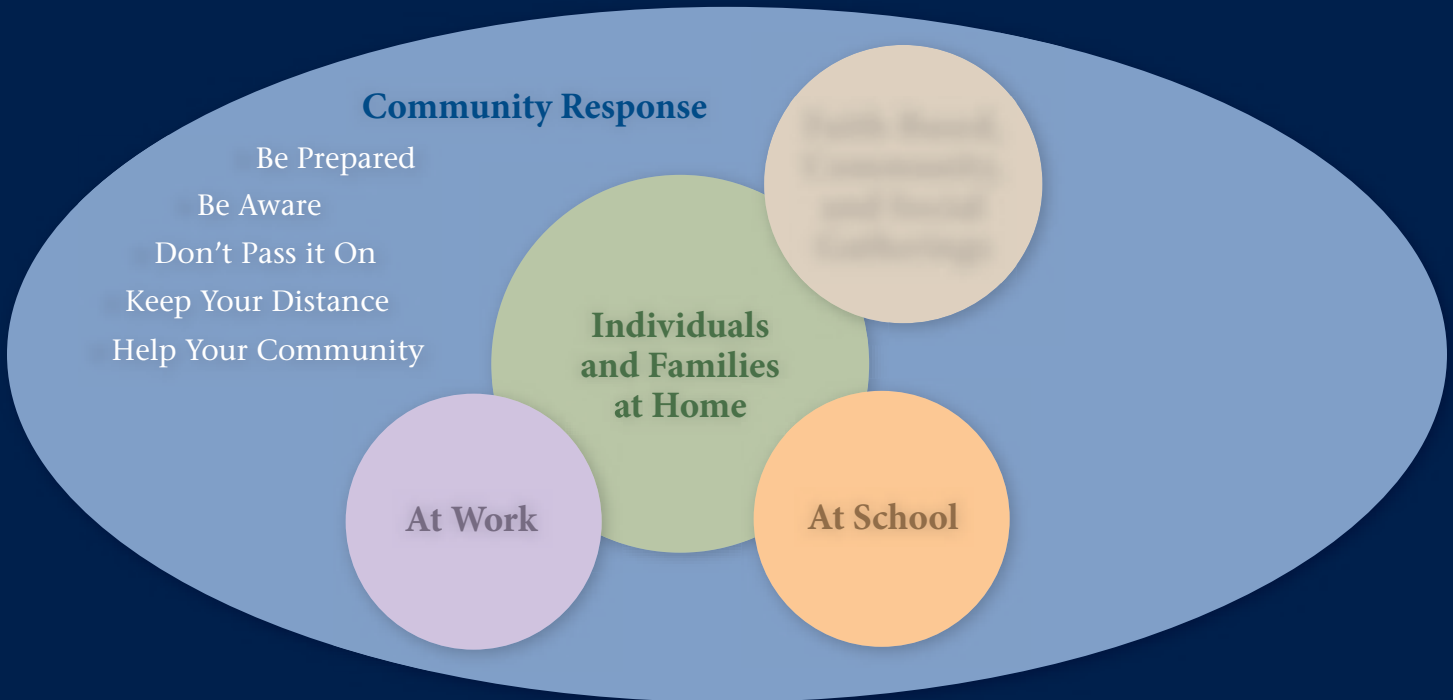
##### POLICY DECISIONS

Federal support of critical  
infrastructure and availability of  
key goods and services

Lifting of travel restrictions

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## Individual, Family, and Community Response to Pandemic Influenza



Response	Individuals and Families	At School	At Work	Faith-Based, Community, and Social Gatherings
Be Prepared	Review Individuals and Families Planning Checklist <a href="http://www.pandemicflu.gov">www.pandemicflu.gov</a>	Review School Planning Checklists <a href="http://www.pandemicflu.gov">www.pandemicflu.gov</a>	Review Business Planning Checklist <a href="http://www.pandemicflu.gov">www.pandemicflu.gov</a>	Review Faith-Based and Community Organizations Preparedness Checklist <a href="http://www.pandemicflu.gov">www.pandemicflu.gov</a>
Be Aware	Identify trusted sources for information; stay informed about availability/use of antiviral medications/vaccine	Review school pandemic plan; follow pandemic communication to students, faculty, and families	Review business pandemic plan; follow pandemic communication to employees and families	Stay abreast of community public health guidance on the advisability of large public gatherings and travel
Don't Pass it On	If you are ill--stay home; practice hand hygiene/cough etiquette; model behavior for your children; consider voluntary home quarantine if anyone ill in household	If you are ill--stay home; practice hand hygiene/cough etiquette; ensure sufficient infection control supplies	If you are ill--stay home; practice hand hygiene/cough etiquette; ensure sufficient infection control supplies	If you are ill--stay home; practice hand hygiene/cough etiquette; modify rites and religious practices that might facilitate influenza spread
Keep Your Distance	Avoid crowded social environments; limit non-essential travel	Prepare for possible school closures; plan home learning activities and exercises; consider childcare needs	Modify face-to-face contact; flexible worksite (telework); flexible work hours (stagger shifts); snow days	Cancel or modify activities, services, or rituals; follow community health social distancing recommendations
Help Your Community	Volunteer with local groups to prepare and assist with emergency response; get involved with your community as it prepares	Contribute to the local health department's operational plan for surge capacity of health care (if schools designated as contingency hospitals)	Identify assets and services your business could contribute to the community response to a pandemic	Provide social support services and help spread useful information, provide comfort, and encourage calm