

Local Public Health Response



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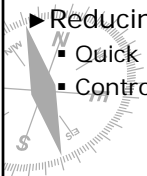
Local Impact

► Unpredictable Severity

- Moderate
 - 20,000 – 40,000 Ill
 - 1,000 Deaths

► Reducing the impact

- Quick response
- Control measures



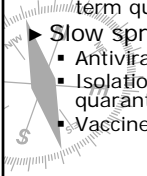
A Quick Response

► Prevent/slow introduction into the United States

- Travel advisories
- Exit or entry screening
- For first cases, may involve isolation / short-term quarantine of arriving passengers

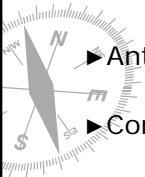
► Slow spread, decrease illness and death

- Antiviral treatment for people with illness
- Isolation / social distancing / voluntary quarantine
- Vaccine when available



Preparedness

- ▶ Surveillance
- ▶ Communication
- ▶ Antiviral Drugs and Vaccine
- ▶ Community Containment



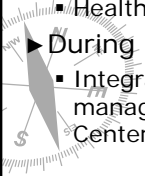
Surveillance

- ▶ Expansion of current efforts
 - Year round weekly Influenza-Like Illness
 - ▶ Schools, Primary Care Centers, and Hospitals
 - Daily Influenza and Pneumonia visits
 - ▶ Hospital Emergency Departments
- ▶ Surveillance during a Pandemic
 - Tracking number of cases
 - Monitoring of those under quarantine



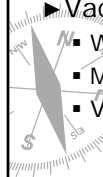
Communication

- ▶ Pre-Pandemic
 - Public information
 - Media Relations
 - Healthcare providers and facilities
- ▶ During a Pandemic
 - Integrate with local emergency management and Joint Information Center



Antiviral Drugs and Vaccine

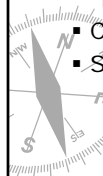
- ▶ Tamiflu
 - Limited supply
 - Not recommended for prophylactic use
- ▶ Vaccine
 - When available
 - Mass Vaccination Clinics
 - Volunteers



Community Containment

Personal Protection

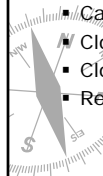
- Hand Hygiene
 - ▶ Frequent hand washing
 - ▶ Alcohol based hand sanitizers
- Cover your Cough
- Social Distancing



Community Containment

Containment measures encompass a range of strategies:

- Closing of Schools and Day Cares
- Suspension or restrictions on group assembly
- Cancellation of public events
- Closure of mass public transit
- Closing of public places
- Restriction or scaling back of nonessential travel



Community Containment

Containment measures are used in combination with other interventions

- Enhanced disease surveillance and symptom monitoring
- Rapid diagnosis and treatment for those who become ill

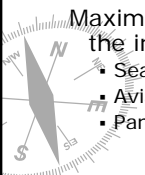


Community Containment

Quarantine lasts only as long as necessary to ensure that quarantined persons do not become ill

Maximum quarantine duration related to the incubation period of disease

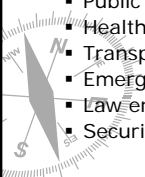
- Seasonal Flu: 1-4 days
- Avian Flu: May be up to 10 days
- Pandemic Flu: ?????



Community Containment

Implementation of containment measures requires coordinated planning by many partners:

- Public health
- Health-care providers/facilities
- Transportation authorities
- Emergency response teams
- Law enforcement
- Security/Credentialing personnel



Community Containment

To achieve trust and cooperation, the public must be informed of:

- The dangers of “quarantinable” infectious diseases before an outbreak occurs
- The justifications for quarantine when outbreak is in progress
- Anticipated duration and endpoints of control measures

