Cape Ann Pandemic Flu Preparedness

Essex, Gloucester, Manchester & Rockport
Goals for Today

- Pandemic Flu as a Cape Ann problem
- Develop a strong collaborative effort with Addison Gilbert Hospital (AGH)
- How 4 communities can combine scarce resources/assets to approach this public health problem
- Use pandemic planning to pave the way toward all hazard preparation

“During a pandemic-no one is coming down 128”
Mission Statement:

The Mission of the Cape Ann Emergency Team is to plan & work together within & between the 4 communities of Cape Ann to develop, locate, secure, & deliver in a coordinated manner all necessary emergency responses & services in the face of any community emergency including but not limited to pandemic influenza.
Region 3D
North Shore & Cape Ann Emergency Preparedness Coalition
## Comparison of Pandemic Numbers in Massachusetts

<table>
<thead>
<tr>
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<th>1957 &amp; 1968 - Like</th>
<th>MDPH Surge Planning</th>
<th>1918- Like</th>
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</thead>
<tbody>
<tr>
<td>Number ill</td>
<td>2 Million (30%)</td>
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<tr>
<td>Hospitalizations</td>
<td>20,000 (1%)</td>
<td>80,000 (4%)</td>
<td>220,000 (11%)</td>
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<tr>
<td>Deaths</td>
<td>4,600 (0.23%)</td>
<td>20,000 (1%)</td>
<td>42,000 (2.1%)</td>
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Planning Impact of Pandemic on Cape Ann

- Total population: 47,157
- # w/flu during pandemic (30%): 14,147
- # seeking outpatient care (50%): 7,074
- # admitted to AGH (4%): 566
- Peak weekly # requiring Hosp. (14.5%): 82
- Peak daily admissions (2.69%): 17
- # to die total (1%): 141

MDPH: Lisa Stone via Phil Stoner
What we have done

• Created basic written plans in all 4 Communities
• Avian Flu presentations
  – City Managers
  – City Council
  – Cape Ann Cable
  – Chamber of Commerce
  – Rotary
  – Town Selectmen

• Expanded efforts to develop Pandemic Workgroups
  – Care Delivery
  – Public Education
  – Continuity of Operations
  – Communications
  – Mental Health Crisis Team
Recruiting/training Volunteers

- Gloucester recruited 150 Medical volunteers
- Trainings to date:
  - Behavior Health (1)
  - Avian Flu (2)
  - Emergency Dispensing (2)
  - ICS 100 & 700
  - ICS 200: 29 trained
  - Bioterrorism agents (1)
  - Mass Dispensing Clinics: Smallpox vaccine Cert.
- Trainings rotate sites to all 4 communities
- ICS practiced during 2 largest flu clinics
Care Delivery Workgroup

- **Scope:**
  - Hospital Care
  - Influenza Special Care Unit (ISCU)
  - Triage
  - Individual treatment
  - Essential *(non-pandemic)* Medical Care

- **Members:**
  - Health directors
  - EMS
  - Hospital staff
  - Local Physicians
  - Visiting Nurses Association
  - Long term care
  - Infection control
  - Public safety
Care Delivery Workgroup (continued)

• Local Screening Sites:
  – Gloucester, Rockport, & Essex/Manchester
• Licensing Cape Ann ISCU --- Gloucester High School: meet w/ building inspector
• Developing a floor plan for ISCU
• Triage Center --- Gloucester High School
Public Education Workgroup:

- **Scope:**
  - Community Education
  - Special Populations
  - Volunteer Recruitment
  - Volunteer Training

- **Members:**
  - PH & School Nurses
  - School admin
  - Public Safety
  - Senior Services
  - Mental Health Providers
  - Translators
  - Shelters
  - Service Providers for the Disabled
  - Day Care Providers
Continuity of Operations Workgroup:

- **Scope** *(meetings held with the following):
  - Funeral Parlors
  - Drug Stores
  - Municipal Water
    - Across Cape Ann
  - Municipal Sewer
    - Across Cape Ann

- Grocery Stores
- Red Cross
- Cape Ann Ham
  Radio Operators
- City Solicitor
- Verizon
- National Grid
Mental Health Crisis Team

- 2 local Social Workers attended the Mass. Behavioral Health Disaster Responder training
- MH volunteers
  - 14 Licensed Psychologists
  - 2 Educational Psychologists
  - 5 Marriage & Family Therapists
  - 20 Mental Health Counselor
  - 2 rehabilitation Therapists
  - 0 Licensed Social Workers: Doing outreach now
Triage Center:
Symptoms consistent with Flu like illness
- Early Pandemic Stage: AGH
- Full Pandemic Stage: GHS-ISCU

No Flu like Symptoms
Assess Non-Flu Care

Yes, Flu Like Symptoms

Triage Center:
GHS
Initial Clinical Assessment Flu like Symptoms

Addison Gilbert Hospital
Secondary Clinical Assessment

Local Screening Centers:
- Addison Gilbert Hospital (early stage only)
- Gloucester Screening Site (GHS)
- Essex/Manchester Screening Site (EMHS)
- Rockport Screening Site (TBA)
- Doctors’ Offices
- Community Health Center (Proposed)

Critical to AGH Hospital

Critical Non Flu

Non-Critical Home

Self-Care Home w/ Instruction-OTC Meds

Reassess:
Phone/VNA Visit/VNA

48 Hr

Triage Center:
GHS
Initial Clinical Assessment Flu like Symptoms

Home Stable; no co-morbidity

Observe/Reassess:
Home w/VNA

Observe/Reassess:
ISCU Site: GHS

Pneumonia & Co-morbidity
- Acute confusion
- Metabolic derangement
- Respiratory failure
- Acute cardiac deterioration

Pneumonia, no co-morbidity
Functional Impairment (Unable to cope) Down-grade to ISCU

Upgrade to AGH, ISCU unable to manage

Reassess:
Phone/VNA Visit/VNA

Observe/Reassess:
Home w/VNA

Observe/Reassess:
ISCU Site: GHS
Incident Command
Jack Vondras

Information Officer
Steve Magoon
Safety Officer
Steve Aiello
Liaison Officer
Brian Tarr

Operations Section
Barry McKay
 Gloucester Operations Command Section
Joe Aiello

Planning Section
Greg Cademartori
 Rockport Operations Command Section
Joe Perry

Logistics Section
Everett Brown
 Manchester Operations Command Section
Jake McNielly

Finance/Admin Section
Tom Moses
 Essex Operations Command Section
Dan Doucett

Hospital Section
Bud Holden

Agency Representatives
Cape Ann Coordination

- Coordinate all local assets at the top level of the four communities
- Concern about duplication or over extension of services (i.e., Local triage)
- Multi-tiered approach to information released to public and media
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Gloucester Health Department

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