

NYC Citywide Pandemic Influenza Tabletop Exercise

Module 2: Peak Pandemic Activity

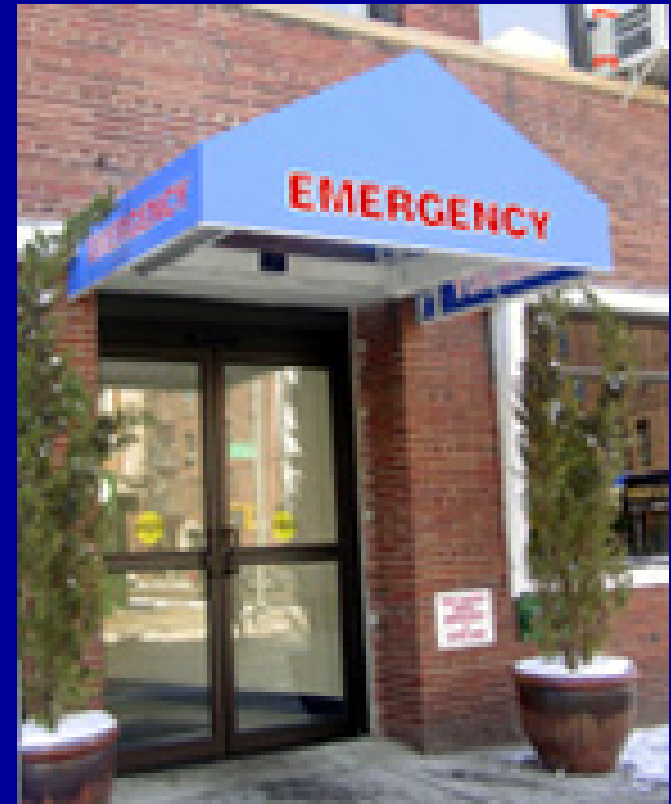


Peak Pandemic Activity

- **By late December:**
 - **>12,000 influenza-related hospitalizations.**
 - **3,000 deaths related to pandemic influenza.**

Peak Pandemic Activity

- **Early January 2006:**
 - **Pandemic activity intense and widespread across the greater metropolitan area.**
- **Pandemic expected to continue at current level through January and then begin to decline in February.**



Peak Pandemic Activity

- **H5N1 strain causes severe clinical disease with higher than expected mortality.**
- **As in 1918 pandemic, a disproportionate number of severe cases are occurring in children and young adults.**



Peak Pandemic Activity

- **By mid-January, an estimated 15%-20% of city's population affected:**
 - **>35,000 hospitalizations.**
 - **>9,000 pandemic-related deaths.**
- **Hospital utilization data:**
 - **Average length of hospital stay is 7 days.**
 - **Average length of ICU stay is 10 days.**
 - **Average length of time on ventilator is 10 days.**

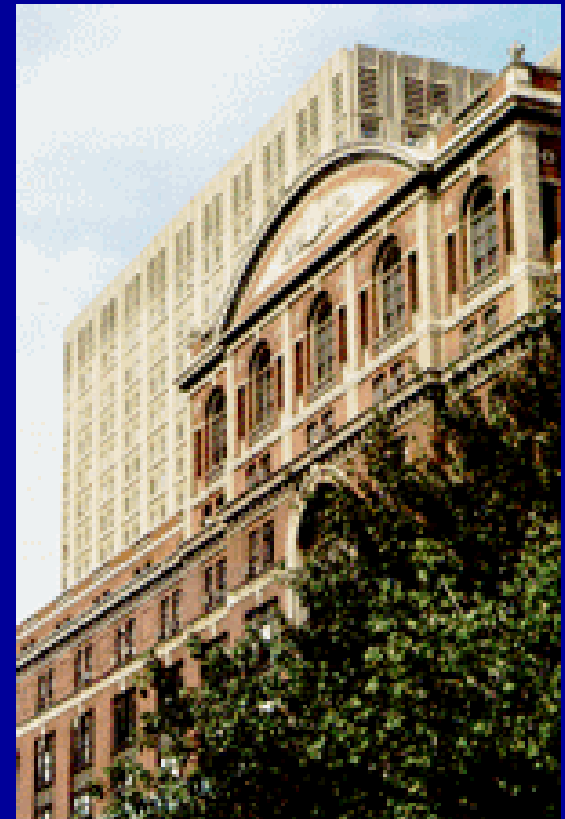
Peak Pandemic Activity

Expected Impact of First Pandemic Wave

Variable	Number
Total number of hospital admissions	50,000 to 70,000
Total number of deaths	15,000 to 25,000

Peak Pandemic Activity

- **A number of hospitals are experiencing staffing shortages.**
- **Critical care beds and ventilators are in short supply (particularly for pediatric patients).**



Peak Pandemic Activity

- **According to HERDS data for January 13:**
 - **Most hospital EDs are running at 30% to 50% above normal capacity.**
 - **There are no vacant beds in the city.**
 - **Patients waiting for beds are bottlenecking the EDs and contributing to problems managing ED volumes.**
 - **Ventilators are all in use and supply is inadequate to meet demand.**

Peak Pandemic Activity

- **Additional information from GNYHA:**
 - **On average, approximately 10%-15% of the hospital staff is out on any given day, creating a significant challenge for most facilities.**
 - **Personnel are out because of:**
 - **Illness.**
 - **Need to care for family members who are ill or children who are out of school/day care.**
 - **Refusal to come to work.**

Peak Pandemic Activity

- **Hospitals working with public health officials, OEM, and GNYHA to manage peak phase of pandemic.**
- **Issues around the need to alter standards of care are being discussed.**



TABLE DISCUSSIONS