H1N1

Lessons Learned

NASPA 2010

Donna M. Barry, APN
Montclair State University
Predictions

• Create a plan that is self sufficient
• 3 month lead time
• Vaccine during second wave
• Stockpile anti-virals and supplies
• Focus on H5N1 (avian) flu
  – 30-50% infection rate
  – 50% mortality rate
  – 3 waves with closure for 8-12 week periods
Preparations

• To plan or not to plan?
• Connect to WHO levels, ERP, ICS
• Mission to mitigate infection/death and impact on recovery

• Focus on:
  – COP: closure, staffing, academics
  – Isolation, Quarantine, Morgues
H1N1 Influenza

• First wave
  – Mid April: Outbreak in Mexico
  – 4/27/09: 3 states with cases
• WHO Level 4
  – 4/29/09 First US death/5 states with cases
First Wave

5/2/09
- WHO Level 5
- Infection rate increases by 65%

5/14/09
- 4300 cases in 46 states
First Wave

- Mild, short term illness
- Highly contagious
- Very low mortality rate
  - Children and pregnant women at highest risk
First Wave

The Name Game?

Swine flu

H1N1SO

H1N1S-OIV

Novel H1N1

ILI
Second Wave

- Hit hard and fast
- Supply scramble
- Higher acuity, longer illness
- Business as usual
- Vaccine ?????
Second Wave

CDC estimates for 4/30/09-2/26/10

- 57 million cases
- 257,000 hospitalizations
- 11,700 deaths
  - most age 18 – 65
Second Wave
ACHA ILI Surveillance Report
207 schools/2-3 million

• 93,000 cases/189 hosp/4 deaths
• 91% age 17-24
• 55% Female, 45% male
Vaccine Scorecard

207 schools/2-3 millions students

- 80 administered the vaccine
- 8 % vaccination rate
Now What?

Plan revision:
- Don’t link to WHO levels
- include “triggers”
- factor in severity level
- adaptive and flexible
“Just – in – time economic model doesn’t work from any perspective”
Now What?

Knowledge is Power
Now What?

What Color is *Your* Underwear?