Director’s Update Brief

Tuesday

16 JUN 2009 1100 EDT
Day 59

Week of Urgent Preparedness
Situation Awareness
16 JUN 2009

• Novel Influenza A (H1N1) Declarations
  – WHO: Pandemic Phase 6 (11 JUN 2009 1600 EDT)
  • Outbreaks in at least one country in > two WHO regions
  – USG: Public Health Emergency declared (26 Apr 2009)
  – HHS: Downgraded to Phase 1 – Awareness (9 May 2009)
H1N1 Key Events
Novel Influenza A (H1N1) 16 JUN 2009

• US Cases as of 11 Jun 2009 1500 EDT (unchanged since last report):

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Hosp</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASES</td>
<td>17,855</td>
<td>1,621</td>
<td>45</td>
</tr>
<tr>
<td>SLTTs AFFECTED</td>
<td>52</td>
<td>44</td>
<td>15</td>
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</tbody>
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• International
  – 35,928 cases in 76 countries
Epidemiology/Surveillance
Novel Influenza A (H1N1) Healthcare Personnel (HCP) Case Series
MMWR for 19 JUN 2009

• Reports of infected HCP solicited from 04 MAY to 15 MAY 2009
  – 77 HCP Novel Influenza A (H1N1) cases reported
  – 23 states

• Case reports analyzed from first 26 reports (MMWR)
  – Most likely acquisition settings
    • Community 42%
    • Healthcare 50%
Epidemiology/Surveillance
Novel Influenza A (H1N1) Healthcare Personnel (HCP) Case Series

• Acquisition of Novel Influenza A (H1N1) infection likely occurring in healthcare and community settings

• Facilities need to ensure:
  – PPE is available
  – HCP are trained in its use
  – Novel Influenza A (H1N1) cases are recognized and placed in isolation

• Limitation: Case reports do not contain enough information to determine effectiveness of specific types of PPE to protect against infection of Novel Influenza A (H1N1)
Epidemiology/Surveillance
Investigation of a Cluster of Novel Influenza A (H1N1) Infections among Healthcare Personnel (HCP), Hospital A
Conclusions - 16 JUN 2009

• No evidence of Personal Protective Equipment (PPE) failure

• All confirmed HCP cases had at least one exposure to a patient with confirmed or suspect Novel Influenza A (H1N1) and several HCP cases had an exposure to infected colleague or community case

• Possible explanations for transmission to HCP
  – Patient to HCP
  – HCP to HCP transmission (at work or social)
  – Encounters with unrecognized infected patients

Likely multi-factorial with contributions from inpatient, outpatient, and community exposures
Epidemiology/Surveillance
Investigation of a Cluster of Novel Influenza A (H1N1) Infections at Summer Camps 16 JUN 2009

• 7 outbreaks in 5 states as of 15 JUN 2009
  – Adults, adolescents, and children affected
  – Most outbreaks involve campers from several states
  – Outbreak at a national guard adolescent boot camp for at-risk youth
  – Most camps isolating sick campers, some sending kids home
  – Some testing ILI by rapid test

• Guidance on recommendations for Novel Influenza A (H1N1) prevention and control at day and residential camps posted 14 JUN 2009 on CDC web
New since last report – Gaza and Morocco

- **Mexico (6,241 cases, 108 deaths)**
  - Reporting increased circulation of Novel Influenza A (H1N1) in southern states

- **First death outside of the Americas (Glasgow, Scotland) being reported by media**
  - 38 y.o. woman, pregnant with additional underlying conditions
Comparison of Antigenic Data by Hemagglutination Inhibition Testing at CDC and Melbourne Collaborating Centers

• Similar results showing all virus isolates within 4-fold titer using reference antisera produced in different CCs
• Data covering viruses from wide geographic region:
  – US
  – Central America
  – South America
  – Australia
  – Philippines
• US data shows no differences for viruses isolated from fatal cases
Communications Summary
Novel Influenza A (H1N1) 16 JUN 2009

• Channel Traffic
  – Web visits: -38% Public Inquires: -56%
  – Print/Internet News Stories: -63% TV: -64%
  – Twitter +11%

• Major Themes: News
  – H1N1 in NC Boy Scout camp
  – Vaccine expected in the fall
  – Local Case Counts
  – South FL students in China quarantine to be released

• Twitter Message Themes
  – Worry about Novel Influenza A (H1N1) at work/schools
  – Shared news of spread of H1N1 globally
  – Swine flu jokes
  – Concerns about safety of swine flu vaccine

• Information Gaps: Little public health guidance
Communication Objectives
Novel Influenza A (H1N1) 16 JUN 2009
Communication Plan to Support Summer Camp Mitigation Guidance

• Distribution guidelines for summer camp to partners/spONSor camps (3000+ partners) (complete 6/15/09)
  – Community-based and faith-based organizations (YMCA, Girl Scouts, Boy Scouts, Girls Clubs, etc.) through Gov.Delivery
  – Education sector partners through GovDelivery and Partner’s portal (7,500 partners)
    • National School Boards Association
    • National Association of State Boards of Education
    • National Association of Child Care Resource and Referral Agency
    • National Education Association
    • National Association for the Education of Young Children
• Distribution to local health departments for coordination with Camps through NPHIC & SOPHE (Complete 6/16/09)
Communication Objectives
Novel Influenza A (H1N1) 16 JUN 2009
Communication Plan to Support Summer Camp Mitigation Guidance

• Develop collateral materials for parents and camp staff
  – Checklist of protocols related to how illnesses will be handled
  – Sample training program for camp staff regarding prevention
  – Age appropriate educational materials (English and foreign language)
  – Repurpose existing hand hygiene, cough etiquette, cleaning instructions
  – Parent’s pre-camp screening directions
  – Early detection directions for camp staff