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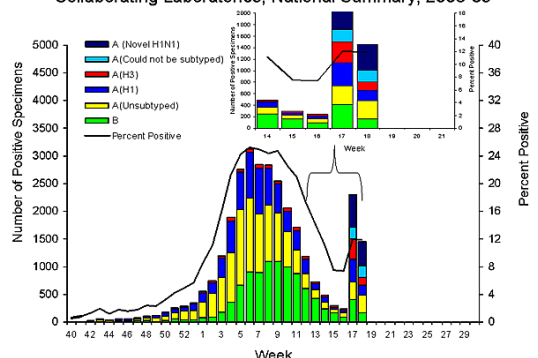
## Novel H1N1 Flu (“Swine Flu”) Update

*This situation continues to evolve. For new and updated guidance, see [www.cdc.gov/H1N1flu/](http://www.cdc.gov/H1N1flu/).*

- **Orange County (OC) update:** As of May 21, 2009, 54 confirmed or probable novel H1N1 flu cases were reported in Orange County. Four were hospitalized; all have been discharged to home. There have been no deaths. Note: Since testing is being limited to patients who are hospitalized or meet other priority groups, it is expected that more of the cases being reported are likely to be hospitalized.
- **National & global update:** [www.cdc.gov/h1n1flu](http://www.cdc.gov/h1n1flu), <http://www.who.int/csr/disease/swineflu/en/index.html>.
- **Cross-reactive antibody response to novel influenza A H1N1.** In this week’s *Morbidity and Mortality Weekly Report (MMWR)*, CDC summarizes serum studies looking at cross-reactive antibody to novel flu A H1N1 before and after recent seasonal influenza vaccination. Results suggest that recent vaccination against seasonal flu is unlikely to provide protection against novel flu A H1N1. In addition, results among adults suggest that some degree of preexisting immunity to novel H1N1 exists, especially in adults > 60 years of age, possibly through previous exposure either by infection or vaccination to an influenza A H1N1 strain more similar to the novel H1N1 virus than recently circulating seasonal strains. See 5/22/09 issue of *MMWR*, available at [www.cdc.gov/mmwr](http://www.cdc.gov/mmwr).
- **Summary of 30 hospitalized patients with novel H1N1 flu in California.** In California, 30 (5.4%) of 553 novel flu A (H1N1) cases reported through 5/17/09 were hospitalized for at least 24 hours. Although the majority of patients were discharged after short hospital stays, a few experienced severe disease and required prolonged hospital care. For the patients for whom information was available:
  - 65% were Hispanic. Median age was 27.5 years (range 27 days to 89 years).
  - 64% had underlying medical conditions.
  - 60% of the 25 who had chest X-rays done had abnormalities suggestive of pneumonia.
  - 6 (20%) were admitted to the intensive care unit; 4 required mechanical ventilation. Three continue to require prolonged intensive care as of 5/17/09.
  - 5 (17%) were pregnant; 2 developed complications including spontaneous abortion and premature rupture of membranes, respectively.
  - None had microbiologic evidence of secondary bacterial infection.
  - Median length of stay (LOS) for the 23 discharged by 5/17/09 was 4 days (range 1-10).
  - 7 patients remained in the hospital at time of summary; range for LOS was 4-167 days.
- **World Health Organization working group makes recommendations about novel H1N1 vaccine:** See [http://www.who.int/csr/resources/publications/swineflu/SAGEH1N1vaccinerecommendation2009\\_05\\_19.pdf](http://www.who.int/csr/resources/publications/swineflu/SAGEH1N1vaccinerecommendation2009_05_19.pdf). At this point, the working group considers it premature to recommend that commercial-scale production of influenza A (H1N1) vaccine should start immediately. Further information about candidate vaccine viruses, their growth potentials, clinical trials with novel H1N1 vaccines, and target groups for vaccination is needed. Seasonal vaccine production should continue as planned.
- **Center for Infectious Disease Research & Policy (CIDRAP) overview of novel H1N1 influenza.** See <http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/biofacts/swinefluoverview.html>.
- **Podcast for businesses: “Novel H1N1 Flu – Creating a Safe and Healthy Workplace”.** <http://www2a.cdc.gov/podcasts/player.asp?f=11549>.
- **Surveillance:** Priorities for surveillance have not changed since 5/4/09 and continue to focus on (1) severe illness, (2) outbreaks, and (3) high risk groups (such as health care workers, pregnant women, or institutionalized persons). See [www.ochealthinfo.com/epi/swine/providers](http://www.ochealthinfo.com/epi/swine/providers).

*\*Graph depicts reports from national influenza surveillance through week ending 5/9/09. Note: A (Novel H1N1) indicates confirmed novel H1N1 reports; A (could not be subtyped) indicate “probable” reports; and A (H1) are seasonal human H1 influenza.*

Influenza Positive Tests Reported to CDC by U.S. WHO/NREVSS Collaborating Laboratories, National Summary, 2008-09



If you have any comments about this flyer, contact Pamela Roa Hipp or Michele Cheung, MD, at (714) 834-8180. To receive this newsletter by email, please contact us at [epi@ochca.com](mailto:epi@ochca.com).