

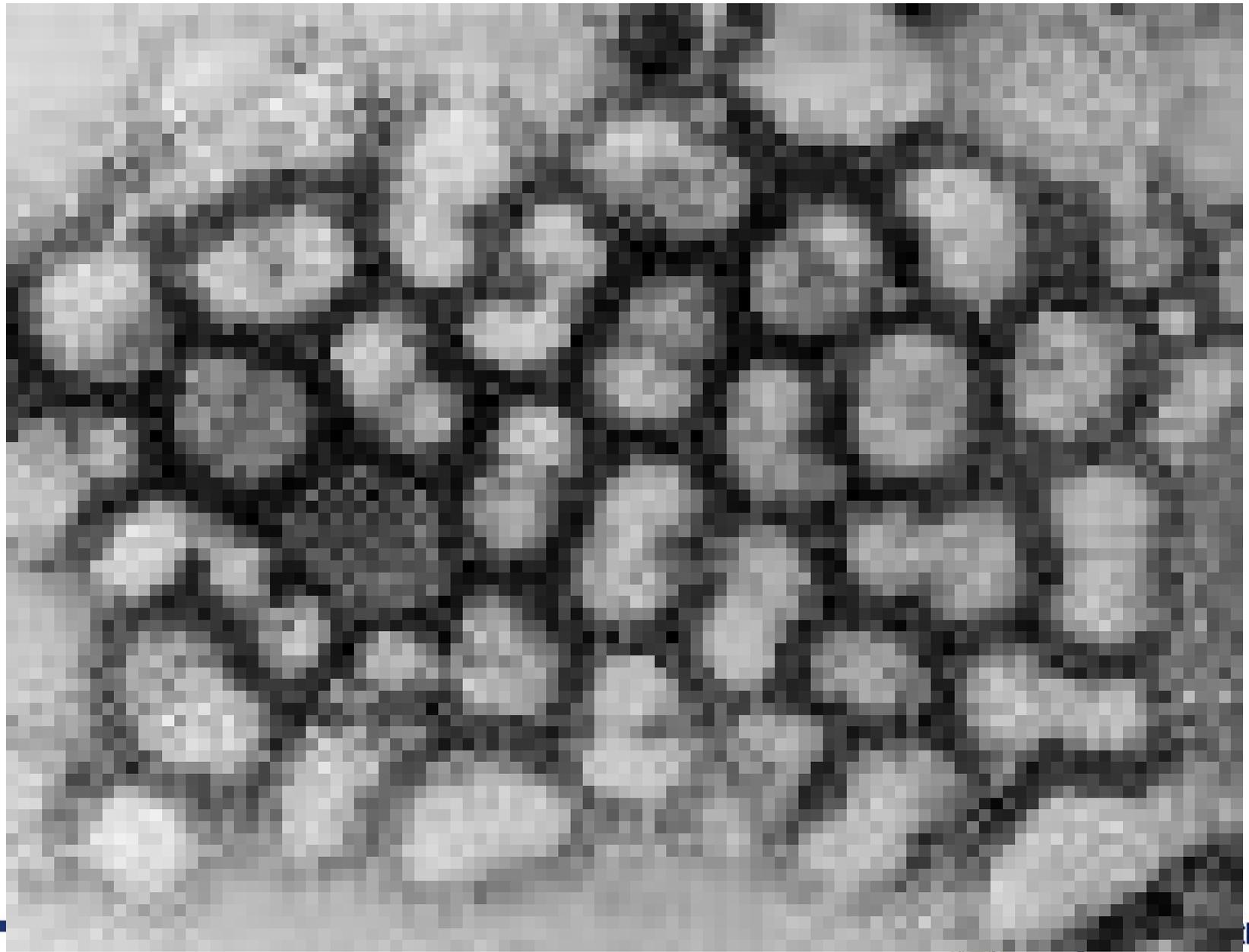
Immunization Update for ICLAC, October 24, 2013

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- Influenza surveillance to-date
- Influenza vaccine supply
- Vaccine preventable diseases: measles and pertussis





Influenza Surveillance

- <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>
- During week 41 (October 6-12, 2013), influenza activity remained low in the United States.
- The proportion of outpatient visits for influenza-like illness (ILI) was 1.1%, below the national baseline of 2.0%. All 10 regions reported ILI below region-specific baseline levels. Two states experienced low ILI activity, 48 states and New York City experienced minimal ILI activity and the District of Columbia had insufficient data.
- The geographic spread of influenza in Puerto Rico was reported as regional; 3 states reported local influenza activity; Guam, the District of Columbia, the U.S. Virgin Islands, and 24 states reported sporadic influenza activity; 22 states reported no influenza activity, and one state did not report.





Influenza Vaccine Supply

- 135-139 million influenza vaccine doses projected with 30-32 million as quadrivalent
- As of 9/20/2013, 73 million doses distributed in U.S. (last yr, 96.8 million doses by 9/21/2012)



Influenza Vaccines for this Season

- Inactivated vaccines, aka IIV, either trivalent:
A/California/7/2009 (H1N1-like) +
A/Victoria/361/2011 (H3N2-like) +
B/Massachusetts2/2012-like virus OR
- Quadrivalent has all of the above, plus
B/Brisbane/60/2008-like virus; some, available
from GSK and Sanofi Pasteur (*note: all LAIV
that is made this year will be quadrivalent*)



Quadrivalent Manufacturers

- LAIV (MedImmune)– all Quadrivalent
- Fluzone Quadrivalent (Sanofi Pasteur) – 0.25mL & 0.5mL syringe formulations, only
- Fluarix Quadrivalent (GSK) – only for ages 3 years and older, in 0.5mL syringe formulation, only
- FluLaval Quadrivalent (ID Biological Corp of Quebec, distributed by GSK in U.S.) – only for age 3 years and older, in 0.5 mL multidose vials



New Flu Vaccines

- Trivalent inactivated, propagated in Darby canine kidney cells (Flucelvax, aka, ccIIV₃, for age 18 yrs and older) the “seed” virus is from egg grown process
- Trivalent inactivated recombinant hemagglutinin vaccine (FluBlok, aka, RIV₃, for age 18 through 49 yrs) *This one is ok for severe egg-allergic persons!*



Not So New But Recent and Unique Flu Vaccines

- High-Dose inactivated flu vaccine for seniors (trivalent only)
- Intradermal flu vaccine for persons 18 through 64 yrs of age (trivalent only)







Measles, 3 Situations:

- 51 year old man from Minn., was infectious with measles when he came to LA on business; *19 LA contacts (13 confirmed immune, 2 immune status unknown, 1 susceptible, 2 loss to follow-up and no spread cases occurred)* He had traveled to Germany about 2 weeks before he came down with measles
- 61 year old female U.S. citizen went to Israel to bury father; returned to LA and developed measles 2 weeks later; *(90 contacts investigated)*



Measles Spread

- A “spread-case” occurred in a 49 year old lady, immigrated to U.S. from Ukraine (never vaccinated when adjusted status; *32 contacts investigated*)



Third Situation (4th Measles Case)

- 31 year old male seen in a clinic one day after arrival from Germany with complaint of high fever and a measles-like rash; the MD dx'ed measles and sent patient back to hotel under self-isolation; MD did not report case to DPH
- We received positive lab report as a result of mandated lab reporting of abnormal VPD test result, five days later and began investigation that lead to MD office (*22 contacts*) and hotel (*13 contacts*)



(Cont)

- We contacted patient via internet and he and friends were in Long Beach preparing for a yacht race to Hawaii
- In addition to friends on flight, there was group of international adolescent students coming to participate in educational program in Ventura County
- *135 program participants, (30 resided with LA County families)*



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- One of the students went on to develop measles, as did another person (not student in program) on the flight who lived in Orange County >>>> total, two spread cases from the index case







Pertussis

- Numbers down since California out break of 2010 (972 cases, 4 deaths)
- Numbers for 2013 YTD had been less than 2012 but with fall, we've seen a slight increase in middle to high school aged persons
- Northern Ca., seeing increased cases since spring and summer



The End

