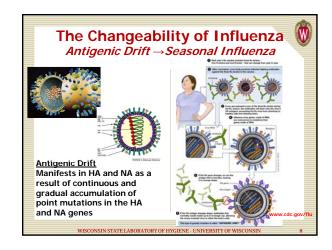


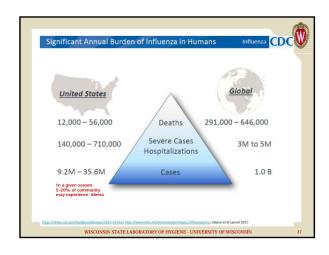
## **Learning Objectives**

- Review of influenza basics.
- Review of the 2017-2018 influenza season.
- Influenza vaccine updates.
- Emerging viral diseases.
- Seasonal respiratory virus activity review.
- Discuss surveillance strategy for 2018-2019.

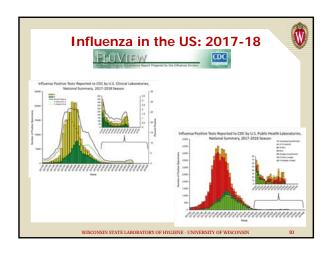
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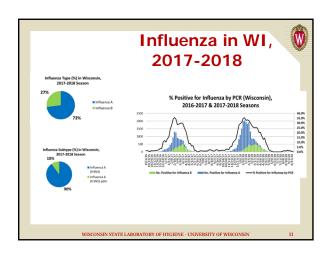


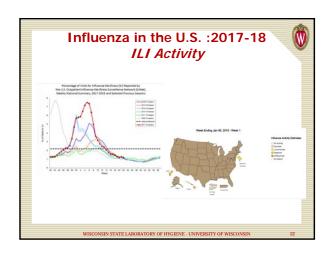


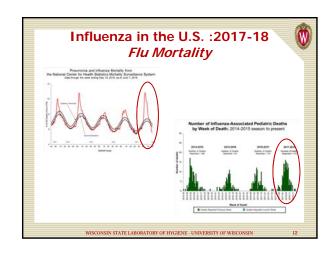


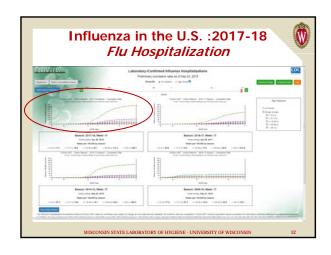


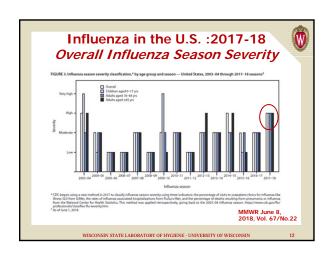


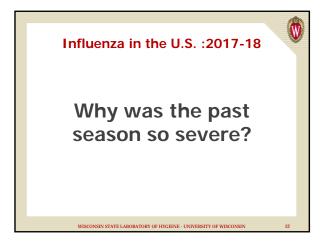




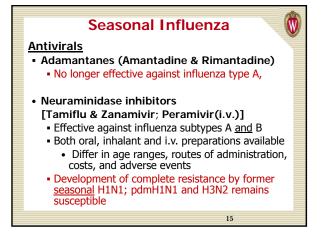


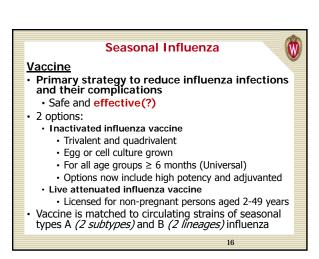




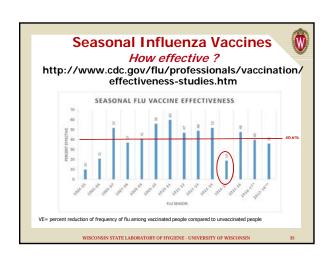


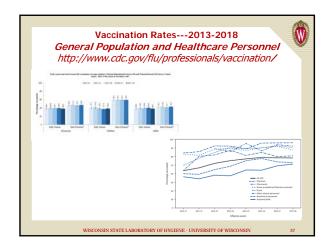


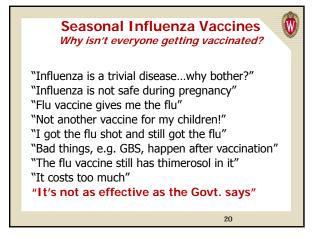


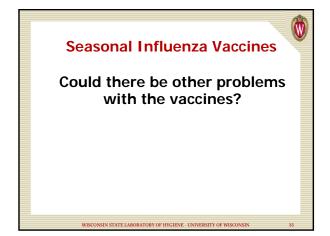


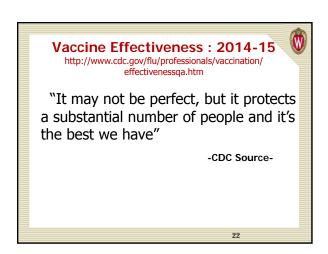


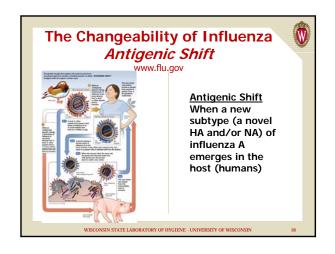


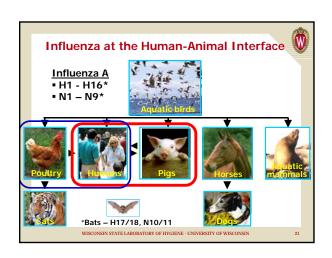


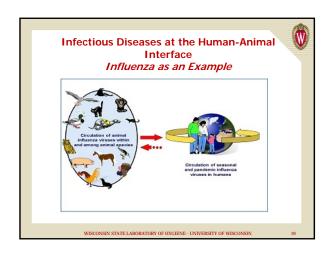


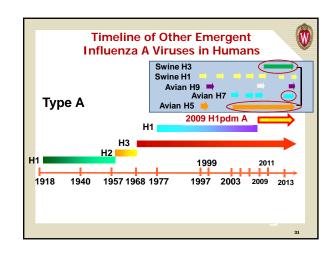


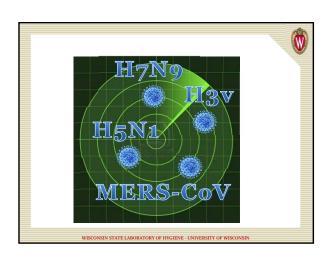


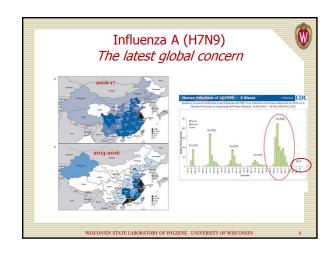


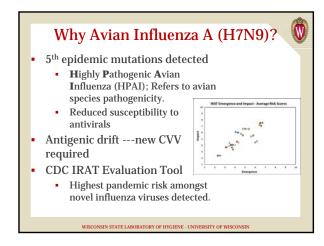


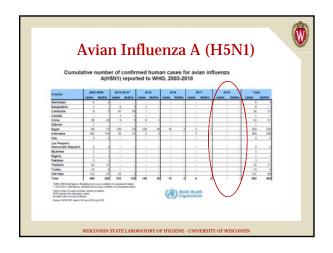










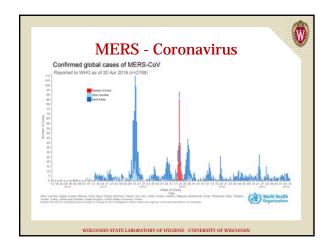


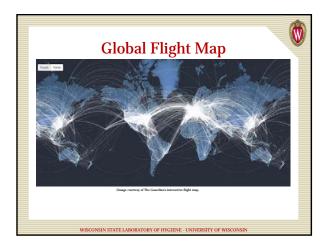
## **MERS-CoV What we know!**

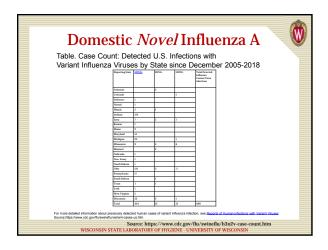


- Virus is different than SARS-Coronavirus and seasonal coronavirues.
- · First cases in 2012.
- All cases linked to the Arabian Peninsula (80% Saudi Arabia).
- Virus does not easily transmit from person-toperson.
- Requires close personal contact.
- · Genetically stable.
- Bats and camels play a role in host transmission; dynamics not well understood.
- WSLH performs RT-PCR on PUI's.

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The Recipe for a Human Pandemic

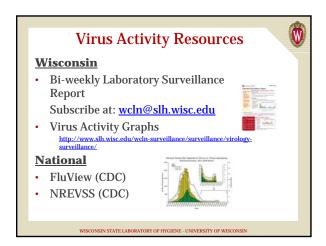
✓ Emergence of a novel virus

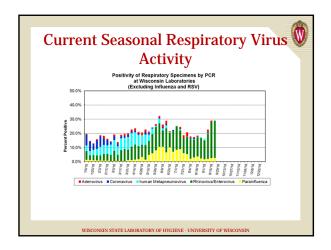
✓ An immunologically naïve population

✓ Replication in humans → disease

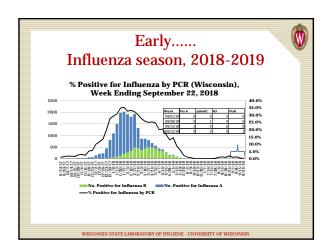
Efficient human-to-human

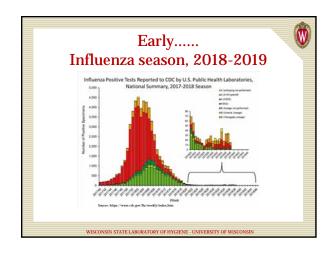
transmission

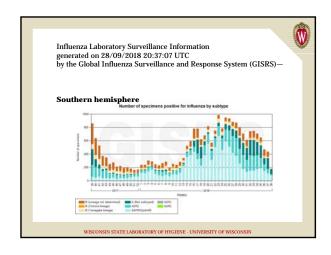


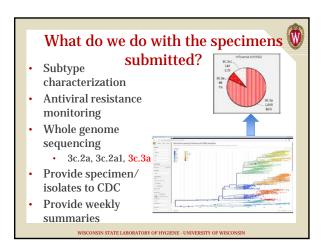






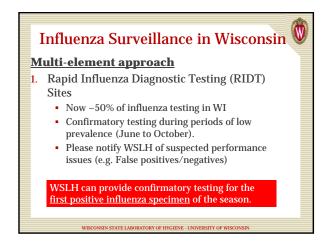


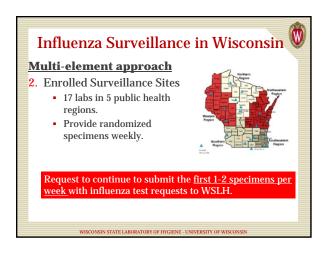


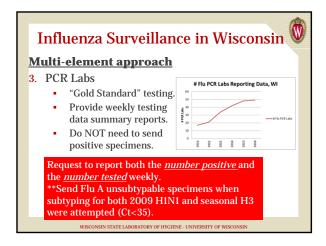


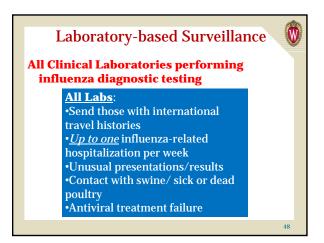


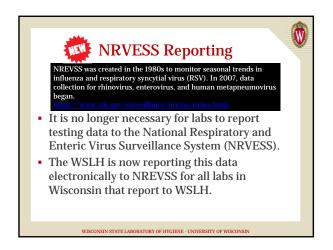












## Summary of Surveillance Activities RIDT Sites Confirm the first influenza positive specimen if needed. Hospitalized Patients Limit to one specimen per week Enrolled Regional Surveillance Sites Send the first 1 to 2 specimens/week Student Health Limit to one specimen/week All labs: Please continue to send all out-of-season

positive influenza A specimens (e.g. June-September).



