

Hawaii Influenza Networks and Pandemic Preparedness Planning



Influenza Testing Algorithms
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Historical Testing Algorithm

- Two swabs collected by providers
- May do a rapid antigen in local lab
- Second swab submitted to SLD in VTM
- Virus culture using CMK and MDCK
- Flu A/B identified using FA
- H1/H3 subtyping using FA or HAI
- Strain characterization using HAI
 - Influenza B characterized at SLD
 - Influenza A characterized at CDC



Recent Changes Prior to 2006-7 Season

- DOCD / SLD prioritizations
 - Sentinel physicians
 - Rapid antigen positive
 - Outbreak related
 - Hospitalized patients
 - Neighbor Islands
 - Most recently collected
 - Archive only category
- Rapid rti RT PCR testing available
 - Airport Surveillance of ill passengers
 - Outbreak investigation
 - Sentinel physicians



2006 Respiratory Virus Algorithm

Clinical Testing

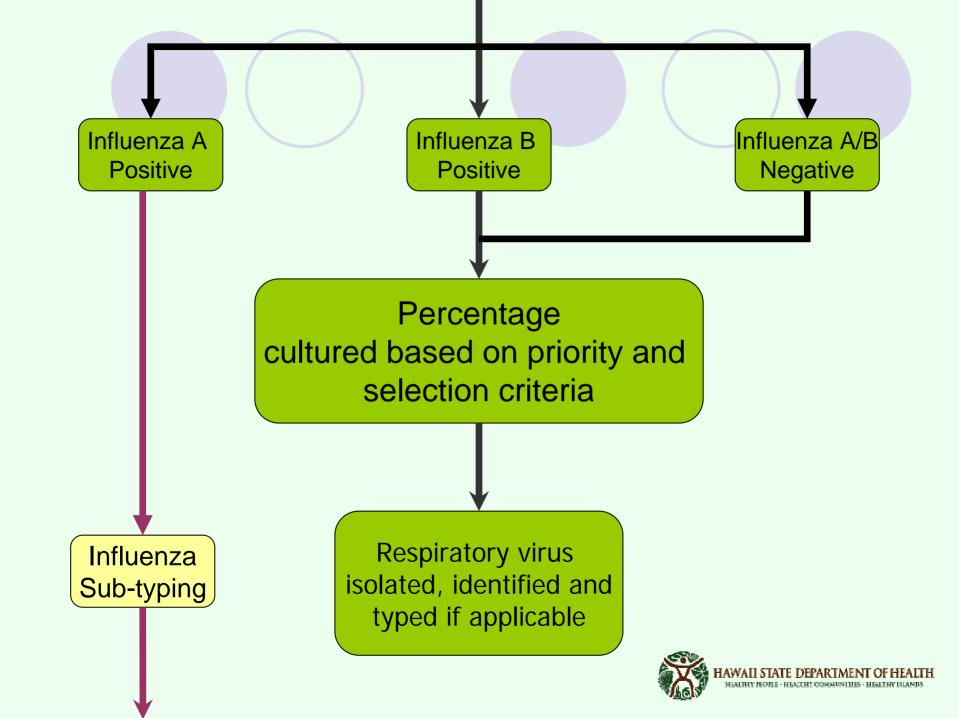
Human Specimens

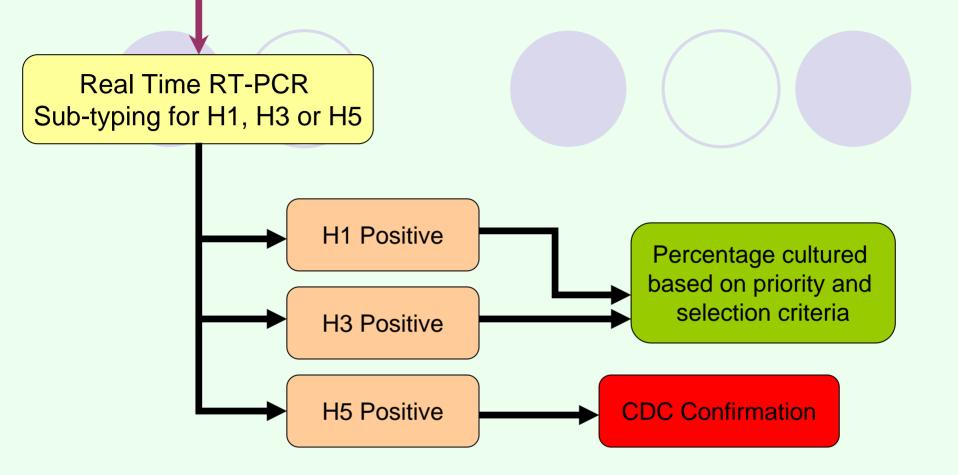


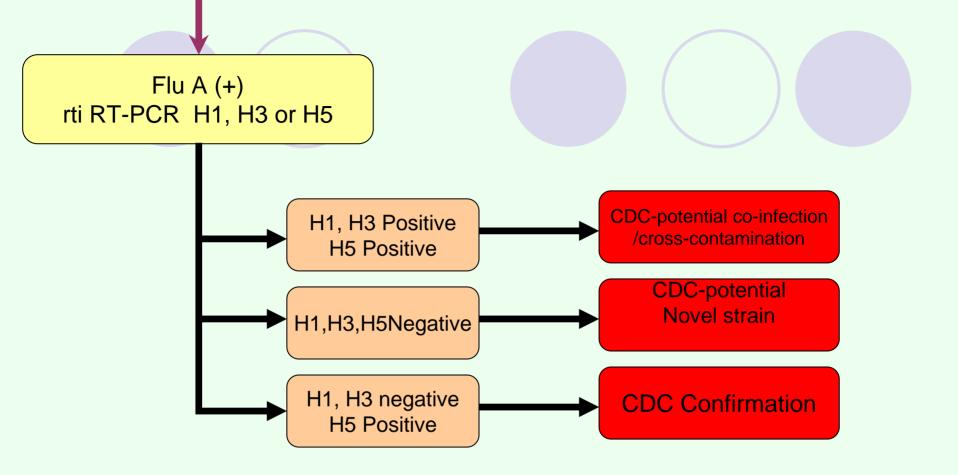
Nasopharyngeal Swab or Oral-pharyngeal Swab

Local Laboratory may do
Rapid Antigen Testing
and
Send swab in VTM to SLD
for further analysis



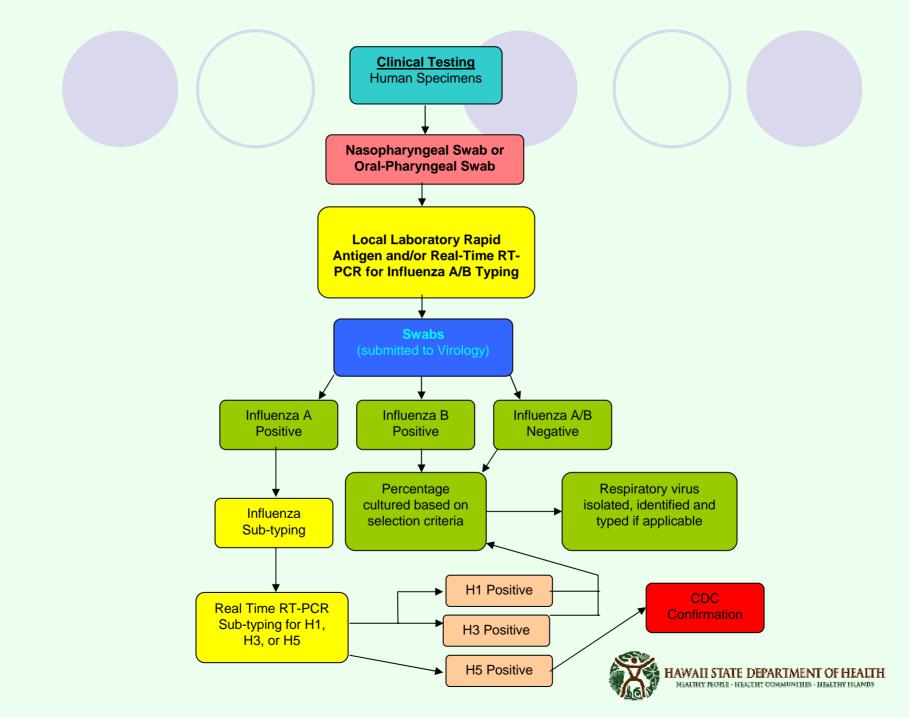






Exception (to every rule)...
....when patients meet Avian Flu/H5 case definition





New for the 2006-7 season

- Routine daily rti RT PCR for Flu A/B
- Flu A/B screens in Virology
- Routine weekly rti RT PCR Flu A subtyping
- Subtyping by BTRL
- High throughput instruments & Core Facility
- Electronic test data management
- Avian testing



Avian Testing

Domestic and migratory birds

Cloacal Swabs
DofAg-State Vet. Lab
USDA-Wildlife Services



