The PHL role in HPAI - Challenges and Opportunities

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Public Health Laboratory
Public Health Laboratory
Role in Response

• Laboratory testing for people
• Laboratory Partnerships
Testing at PHL

- CDC Human Influenza Virus Real-time PCR Dx
  - InfA probe will detect HPAI
- CHALLENGE: Eye swabs are NOT an approved source
  - Sent to CDC for testing
# Laboratory Results

<table>
<thead>
<tr>
<th>People tested</th>
<th>Source</th>
<th>H5N2 positives</th>
<th>Other Positives</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>3 Eye conjunctiva 18 Nasal/NP</td>
<td>0</td>
<td>3 Flu B-Yamagata</td>
</tr>
</tbody>
</table>

- 15 Poultry Workers
- 5 USDA contractors at incident command-Flu B outbreak
Partnerships-Clinical Labs

Challenge:
Communicate low risk to laboratories

Opportunity:
Continue to engage clinical partners and encourage influenza submission
Partnerships-Veterinary Diagnostic Lab

- **Challenge:** Due to USDA regulations, MDH-PHL could not help with testing

- **Opportunity:**
  - Lesson sharing
  - Relationship building
Virologic Surveillance

- Important system to find novel/rare events
  - variant flu
  - non-flu respiratory events

<table>
<thead>
<tr>
<th>Since 2005</th>
<th>H3N2v</th>
<th>H1N1v</th>
<th>H1N2v</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minnesota</td>
<td>9</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>
THANK YOU

- MDH-PHL Flu Team
  - Anna Strain
  - Dave Boxrud
  - Jason Wotton
  - Jaime Christensen
  - Jennifer Palm
  - Larry Carroll
  - Brian Nefzger

- MDH-IDEPC