

“Effective control of highly pathogenic avian influenza depends on controlling the poultry diseases that look like it.”.

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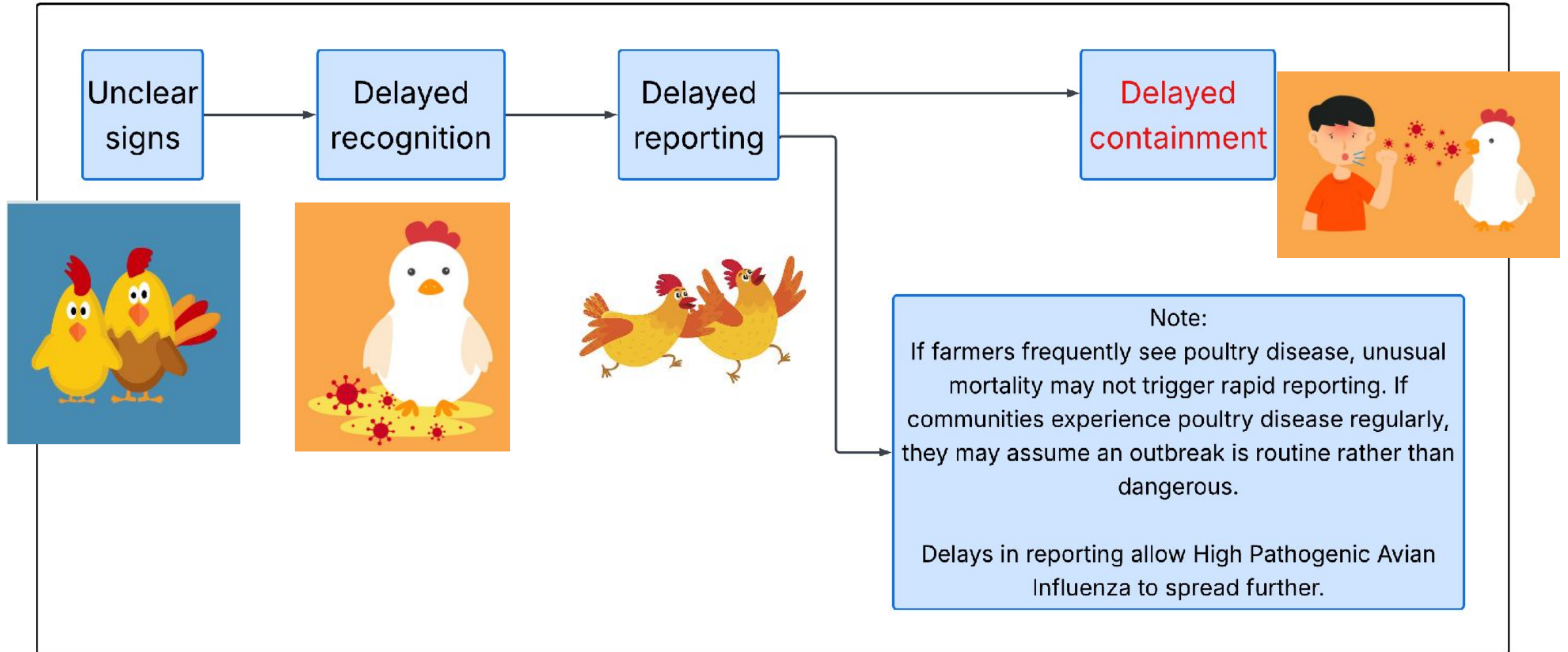
“Several chickens died overnight. Is it bird flu?”

- "Sudden death
- "One set of signs, many possible diseases"

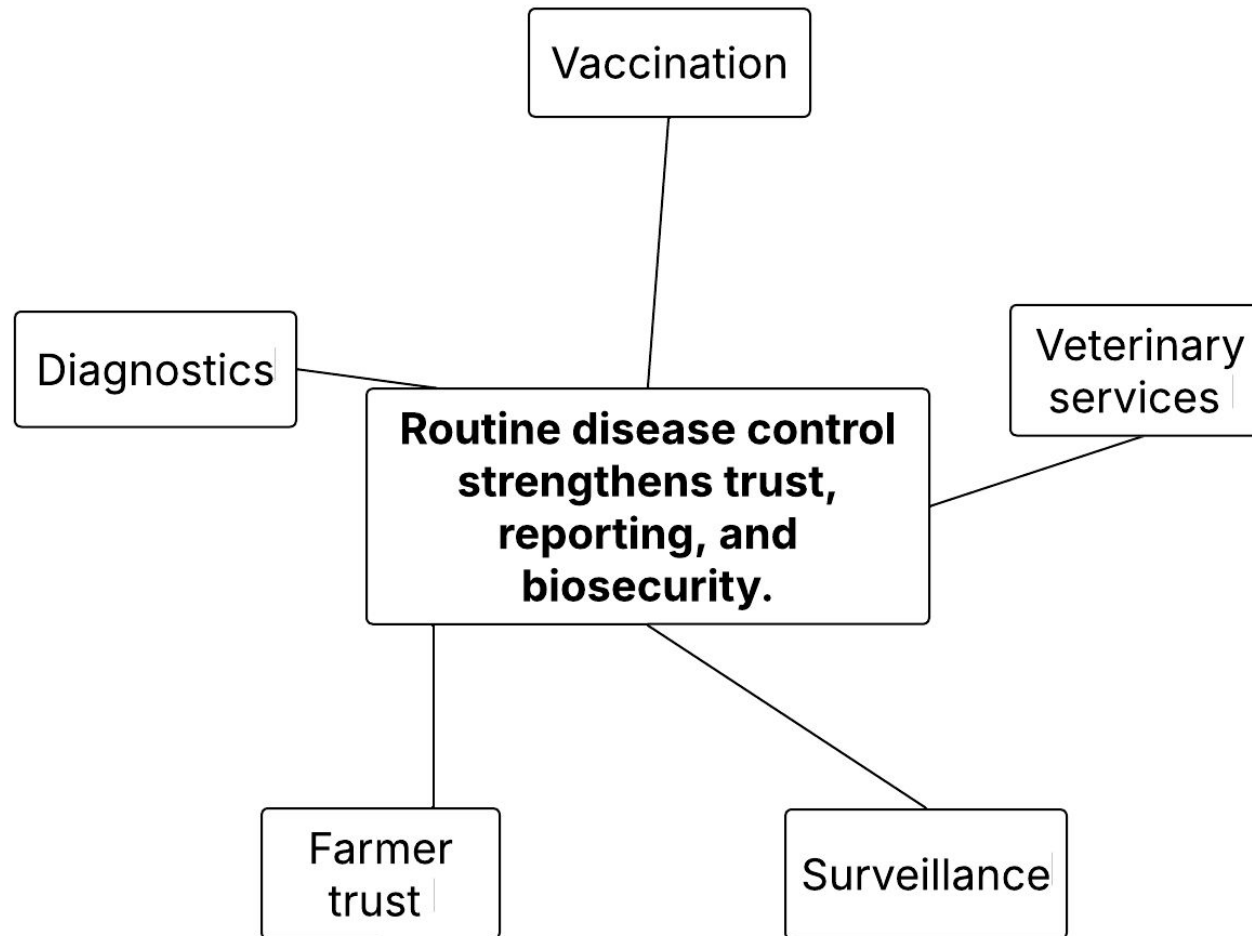
Clinical Sign	HPAI	Virulent Newcastle disease (vNDV)	Infectious Bronchitis	Fowl Cholera
Sudden death	✓	✓		✓
Respiratory distress	✓	✓	✓	✓
Diarrhea	✓	✓		✓
Drop in egg production	✓	✓	✓	
Swelling (head/wattle)	✓	✓		✓
Nervous signs	✓	✓		

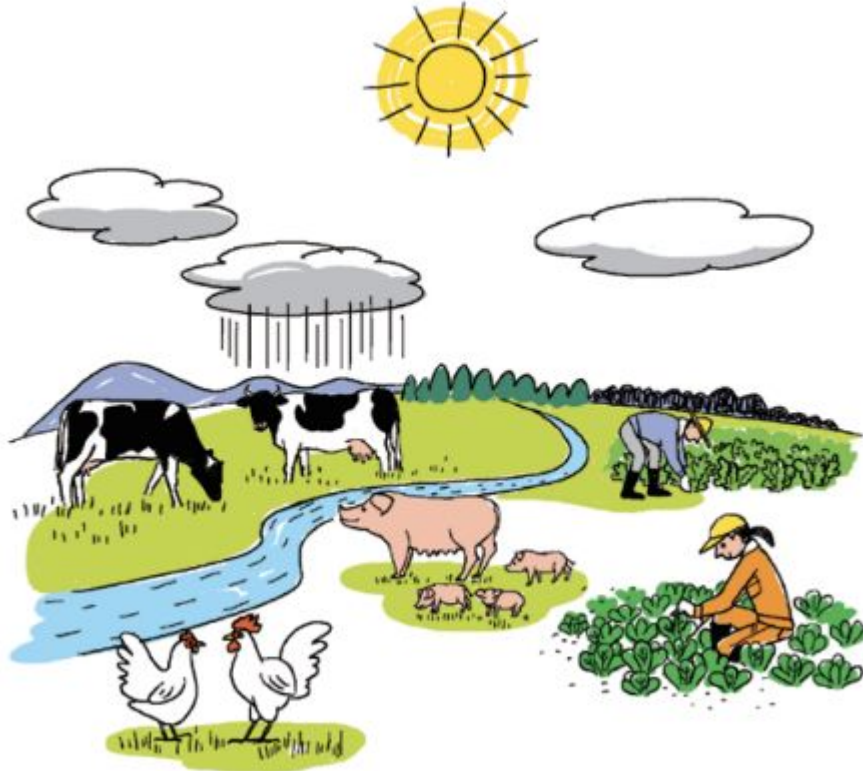
“Confusion delays response”

Delay Chain: Avian Influenza



“Healthy poultry systems improve surveillance”





Poultry disease control supports:

- livelihoods;
- food security;
- zoonotic disease prevention;
- pandemic preparedness.

“This is also a
One Health
issue”



One Health Certification Label

“Pandemic preparedness starts before the pandemic”

- You cannot build effective HPAI surveillance on a foundation of uncontrolled endemic disease
- The first defense against avian influenza is not a laboratory, it is a healthy poultry system.



Thank you

Interested in talking further? Reach out at charlie.amoia@vt.edu
or scan the QR Code