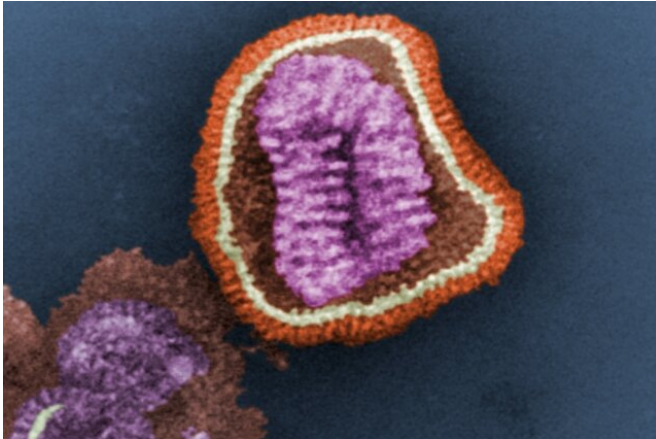


# Researchers assess bird flu virus subtypes in China

8 April 2020



**More information:** Yulei Li et al, Characteristics of the first H16N3 subtype influenza A viruses isolated in western China, *Transboundary and Emerging Diseases* (2020). [DOI: 10.1111/tbed.13511](https://doi.org/10.1111/tbed.13511)

Provided by Wiley

This digitally-colored transmission electron microscopical image depicts the ultrastructural details of an influenza virus particle. Credit: CDC, Frederick Murphy

The avian influenza virus subtype H16N3 is currently detectable in many countries. To examine the potential threat to humans of H16N3, researchers recently performed an extensive avian influenza surveillance in major wild bird gatherings across China from 2017-2019. The findings are published in *Transboundary and Emerging Diseases*.

The investigators isolated two H16N3 subtype influenza viruses that can bind to both human and avian-type cell receptors. They also found evidence that genetic material from other species has been introduced into the H16N3 avian influenza virus, which suggests that it may infect other species and could therefore pose a threat to animal and [human health](#) in the future.

"Consequently, it is necessary to increase monitoring of the emergence and spread of avian influenza subtype H16N3 in wild birds," the authors wrote.

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