

# Asian Lineage Avian Influenza A (H7N9): An Emerging Struggle in the Public Health

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## Abstract

Asian lineage influenza A (H7N9) virus proves to be one of the most thriving avian influenza viruses on the face of the earth. With its current sixth Chinese epidemic, the virus has sent shock to the world. The fear of a pandemic attack has gripped the entire world. Control and prevention has thus been an area of major concern in order to curb, mitigate or eradicate the threat. Mutations related to the virus have caused remarkable resistance to certain drugs, raising eyebrows among the researchers and the public domain. Origins and transmission of the virus remain under spotlight as the duo remains a mystery to the public. This is a literature review based, microbiological study of the Asian Lineage Avian Influenza A (H7N9) virus. The study seeks to simplify and condense information for a better understanding thus raising awareness of the public health threat in the making with particular attention to the Chinese epidemics.

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### *Key Words*

Avian influenza (AI), Hemagglutinin (HA), Neuraminidase (N), H9N2 subtype, Phylogeny