

Avian Flu Control requires Ultraviolet Light

The key to reducing the Risk of Infection is to increase ACH_{total} to about 20 (10 x more than HVAC).

UV disinfection adds 15 - 25 ACH to the 1-2 ACH from HVAC.

$$Relative\ Infection\ Risk \propto \frac{ACH_{HVAC}}{ACH_{Total}} = \frac{ACH_{HVAC}}{ACH_{HVAC} + ACH_{UV}} = \frac{2}{20} = 10\%$$

Up to 90% of infections are prevented.

The UV is confined to the “Upper Room” above humans and animals.
The UV-cleaned air above rapidly mixes with contaminated air below.

UV disinfection of Air is ***SAFE*** for Humans and Animals.
Approved in 2023 by the FAA for all U.S. commercial aircraft!

UV disinfection is ***far less expensive***
than HVAC, chemicals or manual cleaning

UV disinfection is ***the safest and most cost-effective*** means for
controlling Avian Flu



Virus concentration and *Risk of Infection* reduced by up to 90%