SWINE FLU

A TECHNICAL ANALYSIS OF UV GERMICIDAL LIGHT AND ITS EFFECT ON SWINE INFLUENZA

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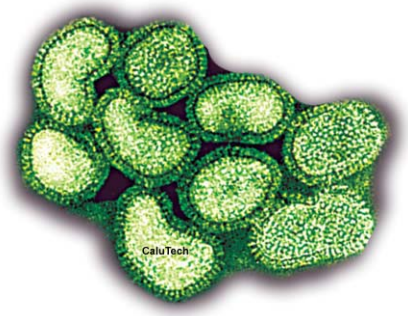
Before the outbreak of 2009, the most recent outbreak of Swine Flu was recorded in August of 2007. This pandemic scare began and ended in the Philippines.

Swine Flu is not a new disease, and it is not new to North America either. In 1976 the infection was found on an Army base, where a soldier died one day after feeling sick. Several other Army personnel were hospitalized quickly thereafter. Health officials were quick to investigate the cause and found the culprit to be Swine Flu. The strain examined was found to be relatively close to the strain which caused the pandemic of 1918. A vaccination program quickly began, but was not fully successful. The Swine Flu vaccine had many complications during distribution but a fourth of the population was successfully vaccinated before the program was cancelled by the US Government as the Swine Flu was deemed under control from further spread.



After the vaccination was received there were several hundred cases of Guillain Barre Syndrome discovered, which were believed to be caused by the vaccination. Gullain Barre Syndrome, or GBS, is when paralysis rises through the body, starting in the legs. Those infected would note weakness in their legs and soon after the effect would reach upper limbs and the face, plus a 100% loss of reflexes which could result in death shortly after. Approximately 24 people did pass after receiving the vaccine. Other influenza vaccines are not currently associated with GBS, however if you have a history in your family of GBS medical professionals do recommend that you talk to your doctor before receiving any flu vaccine.

In 1918 the Spanish Influenza infected more than 30% of the entire world's population over a 12 month period. The actual count of people infected was about 500 million, of which 50 million people died.

Today we know that a large majority of influenza A pandemics throughout the world that have occurred since 1918 have been caused by descendants of the 1918 virus, including mutated H1N1 viruses and some strain forms of the H2N2 and H3N2 viruses.

The majority of pandemics related to influenza have almost always started in Asia before reaching other parts of the world, however today we see Mexico as the source of this latest pandemic. This newest strain of Swine Flu is believed to be a mutation of genes between Asian, European and U.S. strains, combined together. Mexican authorities believe flies traveling from pigs and pig manure may have taken part in this new strain. Others believe migratory birds which travel from country to country may have taken part in the new strain as well.

This ends the summary of Swine Flu.

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Before we begin information regarding the use of ultraviolet light to kill Swine Flu strains there are a few things that need to be explained regarding the best protection against the Swine Flu infection.

1. One of the most forgotten, yet important facts about preventing the spread of any disease is cleanliness. Wash hands frequently. All strains of flu virus are commonly spread from touching infected surfaces such as door knobs, store products, etc.
2. The Centers for Disease Control (CDC) has stated there is no vaccine for this strain of Swine Flu.
3. Visit the CDC for detailed information at: http://www.cdc.gov/swineflu to get the latest information, tips and infection areas.

ULTRAVIOLET LIGHT AIR PURIFIERS AND SWINE FLU

UV light has long been used to kill viruses, as well as bacteria and mold amongst other airborne pathogens. Installing any UV light air purifier in your ventilation system will not mean you can't end up with Swine Flu; however it is known that all strains of the flu virus do not live after exposure to high output UVC light. Even though UV light can add an additional layer of protection in your home or business it does not guarantee that you or others will remain infection free since you can come down with the flu by simply touching infected areas where it's quickly introduced through the body after itching your eyes or nose, mouth, etc.

UV lights do offer an additional layer of protection and can help prevent any airborne spread by reducing, or even eliminating, the virus should it become airborne within the home or business. A direct quote from the CDC: *"Droplets from a cough or sneeze of an infected person move through the air."*

Our #1 recommendation: Talk to your doctor about recommended hygiene.

Our #2 recommendation: Get plenty of sleep and eat nutritious foods, aiding in keeping your immune system healthy. Be physically active and drink plenty of fluids (stay hydrated!), and of course avoid people who are sick.

Our #3 recommendation: Stay away from forums on the Internet. They are full of misleading, opinionated information of which much is incorrect. Stick with CDC.GOV for accurate information and recommendations.

Our #4 recommendation: With or without this pandemic, UV light in your air ducts does make a major difference in indoor air sterilization. It is known to reduce allergies, improve breathing conditions, and kill viruses and bacteria, including airborne flu strains amongst other disease causing pathogens, as well as some bioterrorism agents. Because of the seriousness of this Swine Flu pandemic we only recommend one product, the Blueray super high output air sterilization system. Although a weaker UV system can destroy flu strains, more UV is required in moving air and no chances should be taken with anything less powerful. The Blueray is known as the most powerful UV system you can quickly add to your home, in as little as 10 minutes.