

# Swine H1N1 Influenza A: Transmission of Viruses in Indoor Air: HVAC System Protection Options

Federal Interagency Committee for Indoor Air Quality  
Environmental Protection Agency

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# The Swine Flu “Pandemic” demonstrated just how fast and far influenza can travel to Infect and Kill innocent victims.

Some of the highlights so far:

- 99 deaths
- 15,000 infections
- “Funny” swine flu fooled experts with low fatality rate\*
- Experts acknowledged that “sanitizing surfaces” of schools where occupants had contacted the swine flu was an basically worthless exercise
- China demonstrated the success of vigilant airline passenger surveillance and quarantine
- No one really explained how airborne transmission occurs and what proactive protection measures one could take to mitigate exposure besides face masks.

\*Washington Post 5.31.09

# Bacteria vs Viruses-

## Know your Airborne Germ

### Bacteria

1. Living Cells
2. Need moisture
3. Most need Oxygen
4. Need Nutrients to Reproduce
5. Grow by cell division
6. Some can self propel

### Viruses

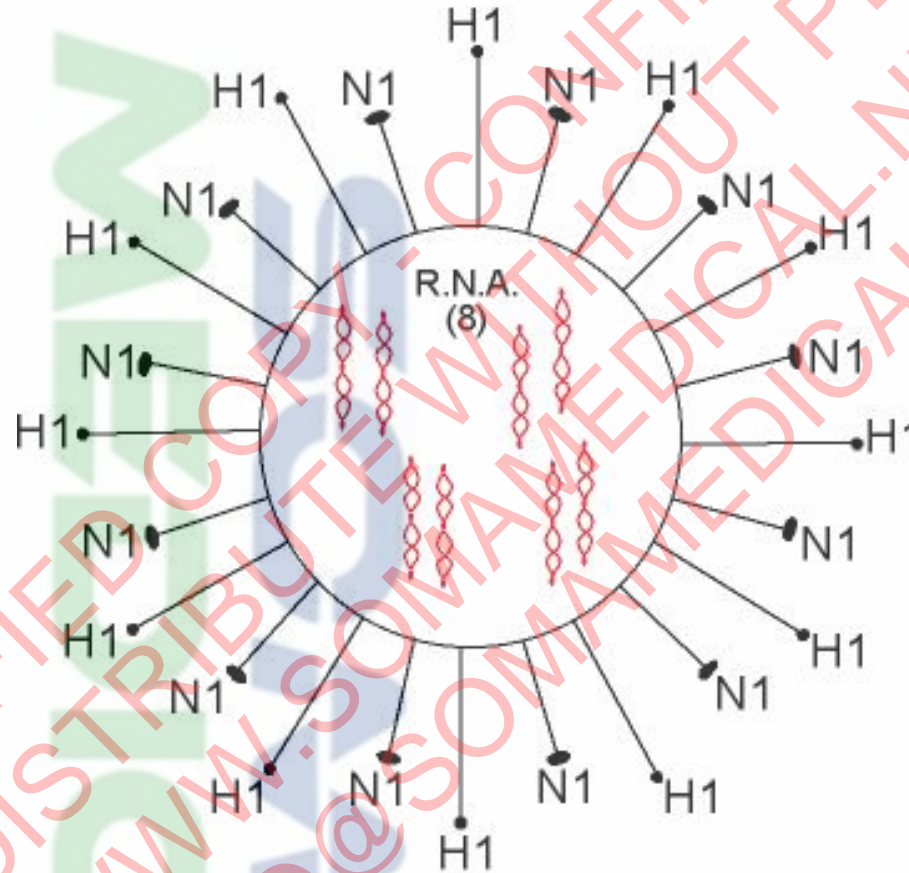
1. Not "Living" Cells-Inert DNA/RNA in a protein shell
2. Do Not Need moisture
3. Do Not need Oxygen
4. Do Not Need Nutrients to stay Viable
5. Do Not Grow by cell division
6. Do Not self propel

How many Anthrax Bacteria do you need to inhale to kill you?

How many Flu Viruses do you need to inhale to kill you?

# H1N1

## Swine Influenza Virus



(1)











































































































