

# BIRD FLU: Public Health Information for The Governments of the World



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**A potential bird flu pandemic poses a global threat. Since there is no vaccine available, there is an urgent need for effective, safe and affordable treatment of a bird flu pandemic.**

The need for low-cost approaches to this health threat is particularly critical for developing regions such as Africa, Asia and South America.

Currently promoted pharmaceutical options are no answer to a global pandemic either. According to the manufacturer of *Tamiflu*, this drug can reduce the symptoms of influenza by merely one day.

Thus, while the benefits of this drug are limited, its cost of about \$10 per pill is prohibitive as a public health measure for the great majority of nations.

**Micronutrients As Effective Safe and Affordable Alternatives to the Bird Flu Threat**

With neuraminidase inhibitors and other pharmaceutical drugs offering limited options to fight a global pandemic, there was an

objective need for preventive and therapeutic options that allow the great majority of nations to prepare for such a global pandemic with effective and affordable public health strategies.

The most promising approach to immediately reach this goal is the use of micronutrients (vitamins, minerals, plant polyphenols). Their effectiveness to improve the immune function is already part of every textbook of biology. At our research institute, we tested a micronutrient composition for their effectiveness, specifically in blocking influenza infection.

**Effective and Affordable Natural Health Strategies Can Now Be Developed World Wide**

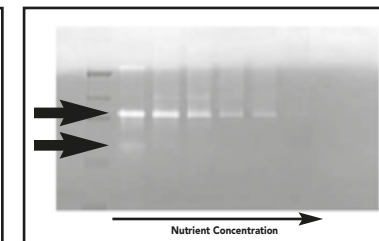
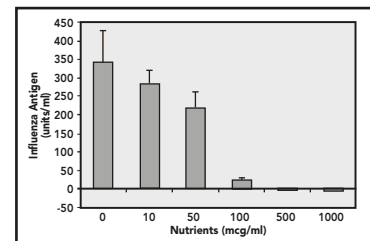
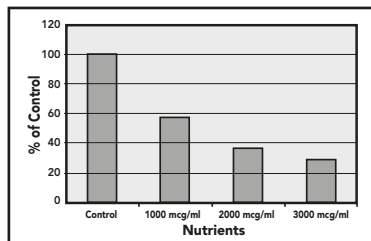
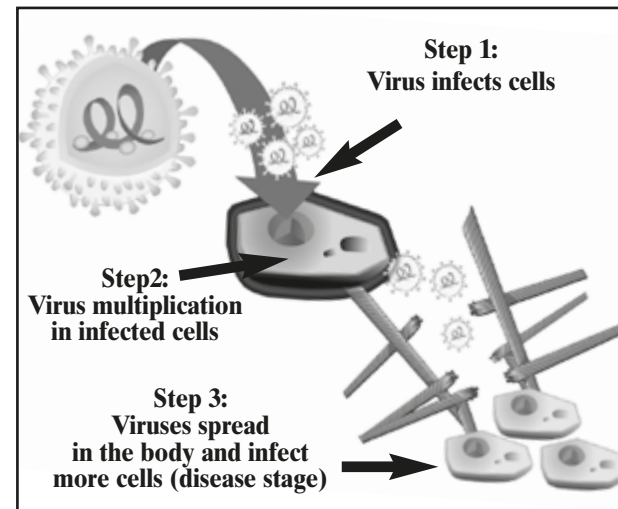
Our research findings (right) illustrate how nutrients can affect all important stages involved in influenza infection.

Now, the governments of all nations - rich and poor - can improve the health of their citizens and develop public health strategies to fight influenza and bird flu.

## Scientific Basis for the Natural Control of Influenza

### All Steps of Influenza Infection Can Be Blocked by Micronutrients:

1. Influenza virus gets inside the body cells with the help of the enzyme neuraminidase (N), which is located on the surface of the virus.
2. Within the infected cell, the virus 're-programmes' the genetic software in the cell core to allow its own multiplication. The infected cell now continuously produces more viruses as well as the biological scissors (collagenases) for their spread.
3. Millions of viruses are released from infected cells. With the help of collagen-destroying enzymes, the viruses expand through the connective tissue and invade other cells. The influenza infection has turned into a disease.



**1** The activity of neuraminidase, the enzyme responsible for viral infectivity can be lowered by 70% in the presence of micronutrients.

**2** Multiplication of influenza viruses in infected cells can completely stop in the presence of micronutrients.

**3** Micronutrients decrease the production of enzymes necessary for the destruction of connective tissue and for viral spread in the body.

Dr. Rath, world-renowned scientist and physician, led the breakthrough in science-based natural health in the fight against cancer and heart disease. His late colleague, two-time Nobel Laureate Linus Pauling, stated a decade ago that Dr. Rath's discoveries threaten a multi-billion dollar investment business in patented drugs.

The groundbreaking research on the natural control of bird flu was conducted at the Dr. Rath Research Institute in California, one of the leading research institutions conducting research in cellular medicine and natural health.

Public health officials and political leaders are encouraged to contact us directly for more information. Specific research details are available on our website, [www.drathresearch.org](http://www.drathresearch.org).

**This page only contains a summary of our scientific findings. Government officials and the general public are invited to visit our detailed research documentation online at: [www.dr-rath-foundation.org](http://www.dr-rath-foundation.org) and [www.dr-rath-research.org](http://www.dr-rath-research.org) or contact the head of our research institute, [dr.niedzwiecki@drathresearch.org](mailto:dr.niedzwiecki@drathresearch.org)**