THE *NEW*
COLLOIDAL SILVER
SAFE DOSAGE
MANUAL

How to Establish a Safe, Daily Nutritional Supplement Dosage, and Calculate Higher Dosages for Various Conditions

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The Ultimate Colloidal Silver Manual

Table of Contents

(Click any chapter title to be taken directly to that chapter.)

Preface: Safety, Toxicity and Dosage..... 1

Chapter 1: A Colloidal Silver Primer..... 3

Chapter 2: Is Colloidal Silver Safe to Use? 14

Chapter 3: Is Silver a Toxic "Heavy Metal"? 25

Chapter 4: Colloidal Silver, Blue Skin and the Lunatic Fringe..... 36

Chapter 5: First-Ever Colloidal Silver Human Ingestion Study..... 44

Chapter 6: What Real Medical, Scientific and Clinical Experts Have to Say About Colloidal Silver Usage..... 48

Chapter 7: The 3 Most Effective Ways to Use Colloidal Silver..... 66

Chapter 8: How to Determine a Safe, Daily Nutritional Supplement Dosage of Colloidal Silver..... 71

Chapter 9: How Much Colloidal Silver to Take for the Flu..... 78

Chapter 10: Rule-of-Thumb Dosage Guidelines for Varying Conditions Based on Experiential Accounts..... 81

Chapter 11: Giving Colloidal Silver to Young Children: Why It's Important to Use Caution..... 90

Chapter 12: Using Colloidal Silver with a Nebulizer..... 115

Chapter 13: Colloidal Silver Dosages for Dogs and Cats..... 128

Chapter 14: How to Store Colloidal Silver Correctly for Maximum Potency..... 132

Chapter 15: How Long Will Homemade Colloidal Silver Last Before It Begins to Lose Its Potency? 136

Chapter 16: The Micro-Particle Colloidal Silver Generator: The World's #1 Best-Selling Colloidal Silver Maker..... 139

Chapter 17: $24,000.00 Worth Of Colloidal Silver For $35..... 153

Chapter 18: The Best Colloidal Silver Information Resources Available……... 159

Chapter 19: Meet Steve Barwick…….....163

Preface: Safety, Toxicity and Dosage

This book was designed to serve as a beginner's guide to colloidal silver usage, particularly focusing on the issues of safety, toxicity and dosage.

To that end, in Chapter 1 you'll find an in-depth Primer on colloidal silver and its usage. If you're not familiar with colloidal silver and its many healing uses, this chapter is for you. It provides a good, general overview that will give you all of the basics.

Then, in chapters 2-6, you'll read in-depth discussions on the safety and potential toxicity of colloidal silver, with numerous experts weighing in on these issues.

Throughout these four chapters there's a strong and relentless emphasis on avoiding argyric skin-staining, which is an easily-avoidable side effect of the *abusive* use of colloidal silver.

This emphasis is quite necessary because of the plethora of bad information about colloidal silver usage that permeates the internet, including the most misleading claim of all, i.e., that "You can drink as much colloidal silver as you want, and it can never hurt you, as long as it's properly made."

That erroneous and misleading claim will be thoroughly debunked in those chapters. And in subsequent chapters you'll discover how to quickly and easily calculate safe and effective colloidal silver dosages with no possibility of argyric skin-staining.

In chapter 7, you'll discover the three most popular and effective ways of taking advantage of colloidal silver's profound infection-fighting and healing qualities – *oral* use, *topical* use, and *inhalation of aerosolized colloidal silver* into the lungs.

And, in chapters 8-10 you'll learn how to calculate safe and effective dosages of colloidal silver for:

- ✓ Daily, nutritional supplement usage for infection-prevention, including dosage charts
- ✓ Flu infections
- ✓ Stubborn, long-term, underlying "stealth pathogen" infections

- ✓ Sudden onset infections, such as food poisoning

For those who have children, it's important to note that Chapter 11 contains in-depth guidance on giving colloidal silver to children, and why extra caution *must* be used, particularly in determining dosage.

Chapter 12 covers using colloidal silver in a medical nebulizer, when you need to get aerosolized silver deep into the lungs.

Chapter 13 covers colloidal silver dosages for dogs and cats when they have infections or other illnesses.

And chapters 14-15 cover how to correctly store colloidal silver for maximum long-term potency, and how to easily determine whether or not your stored colloidal silver has begun to lose its potency.

Finally, in chapters 16-17, you'll learn about the #1 tool you'll need to be able to make your own high-quality colloidal silver, at home, for the astonishingly low cost of about *36 cents a quart*. And you'll learn about some of the most important information resources for beginning (and advanced) colloidal silver users.

All told, when you finish this book, you'll know more about using colloidal silver safely and effectively, for a wide range of infections and disease, than the vast majority of the self-appointed colloidal silver "gurus" online. And quite frankly, that's priceless and potentially life-saving information every colloidal silver user should have.

Chapter 1: A Colloidal Silver Primer

Colloidal silver is a completely natural, liquid mineral supplement found in almost every health food store in North America.

It's much like mineral water, except that in this case, the only minerals in the water are tiny, sub-microscopic particles of pure silver.

Pure silver, by itself, has been known for thousands of years to have powerful, broad-spectrum healing and infection-fighting qualities. So, when the process for making colloidal silver was discovered in the late 1800's, shortly after Edison harnessed electricity, it immediately became a popular natural infection-fighting agent, used both topically on cuts, burns and infections, and internally as a remedy for a wide variety of infectious diseases.

Numerous medical studies were conducted on colloidal silver throughout the early 1900's, and the substance was used in hospitals and laboratories around the world, in a wide variety of forms, to help fight infection and disease. Studies documenting its phenomenal infection-fighting qualities were written up in the *Journal of the American Medical Association* (JAMA), the British medical journal *Lancet*, and many others.

Indeed, as far back as 1919, Alfred Searle, author of *The Use of Colloids in Health and Disease*, had written:

> *"Applying colloidal silver to human subjects has been done in a large number of cases with astonishingly successful results…it has the advantage of being rapidly fatal to parasites without toxic action on its host. It is quite stable. It protects rabbits from ten times the lethal dose of tetanus or diphtheria toxin."*

How Is It Made?

Colloidal silver is made through a simple electrical process that pulls microscopic particles of silver called *silver ions* from a larger piece of pure silver immersed in water.

These tiny ionic silver particles are held in suspension in the water by the electrical charge on each atom. When ingested, these tiny ionic particles of silver travel throughout your body like any other ionic mineral before being excreted through your normal channels of elimination.

Over 100 Year Medical History

The simple process for producing colloidal silver was developed shortly after Edison harnessed electricity in 1892.

It was then used for decades by doctors, in a variety of forms and under a variety of brand names, as a natural infection-fighting agent. But it fell out of widespread usage after the advent of prescription antibiotics in the 1940's.

Then, in the mid-1970's colloidal silver experienced a dramatic resurgence in popularity after doctors discovered that many pathogens were developing immunity to prescription antibiotic drugs, but not to electrically-charged ionic silver.

According to science writer Jim Powell in the March 1978 issue of *Science Digest:*

> *"Thanks to eye-opening research, silver is re-emerging as a wonder of modern medicine. An antibiotic kills perhaps a half-dozen different disease organisms, but silver kills some 650. Resistant strains fail to develop. Moreover, silver is virtually non-toxic."*

In the 1980's Dr. Robert O. Becker, M.D., the noted bio-medical researcher from Syracuse Medical University, and author of the best-selling books *The Body Electric* and *Cross Currents*, discovered a distinct correlation between low silver levels in the body, and sickness. He wrote that silver deficiency is often responsible for the improper functioning of the immune system. Indeed, he stated:

> *"While analyzing hair samples and questioning the parties involved, I noticed the correlation between low silver levels and sickness. People who showed low silver levels in their hair analysis were frequently sick. They seemed to have innumerable colds, flu, fevers, and various other sickness. I believe that a silver deficiency may be the key to the improper function of the immune system."*

Regarding the profound ability of silver to control infection, Dr. Becker wrote, *"All of the organisms that we tested were sensitive to the electrically generated silver ion, including some that were resistant to all known antibiotics."*

Regarding the safety of silver, he wrote*, "In no case were any undesirable side effects of the silver treatment apparent."*

In short, Dr. Becker had simply re-discovered what had already been known for thousands of years, i.e., that silver is one of the most powerful natural infection-fighting agents on the face of the earth.

Controversy

As the use of electrically generated colloidal silver grew during the 1970's, '80's and '90's, the major pharmaceutical firms began to view it as a distinct threat to their sales of prescription antibiotic drugs, and began exerting behind-the-scenes pressure on the FDA to ban it.

So, in 1996 the FDA published their intentions in the Federal Register to ban colloidal silver. This evoked a firestorm of protest from natural health enthusiasts.

After a three-year investigation during which the FDA could find no grounds to issue an outright sales ban, they published their "Final Ruling." It stated that, like all nutritional supplements, colloidal silver could continue to be sold over-the-counter, as long as no claims were made for it in terms of healing illness or disease.

If such claims were made, the claimant would have to show that he had successfully completed the FDA's stringent testing procedures for over-the-counter drugs, and had submitted the appropriate applications to sell the substance as an over-the-counter drug.

In short, the well-known infection-fighting properties of pure silver could no longer be listed on the label or mentioned in the advertising of colloidal silver products — unless millions of dollars' worth of FDA-approved testing was undertaken. In the meantime, colloidal silver could only be sold as a nutritional supplement, and no health claims whatsoever could be made.

Many observers believe the FDA simply acted at the behest of the big drug companies to prevent the public from knowing about the dramatic infection-fighting properties of colloidal silver.

And while Big Pharma may well have been behind the whole fiasco, in reality, the FDA simply reiterated for colloidal silver what was already true for *all* nutritional supplements: they cannot be sold as "medicine" that provides a "cure" or "treatment" for a specific illness. All they can be sold as is "food supplements," i.e., nutrients that *supplement* or augment your daily nutrient intake.

However, as news of the FDA's Final Ruling became more widely known, outrage among natural health enthusiasts grew. The perception that the FDA was acting at the behest of the major pharmaceutical firms to restrict colloidal silver usage, or to restrict information about colloidal silver usage, dramatically increased public curiosity about the substance. And the popularity of colloidal silver quickly soared.

Industry insiders estimate there are now as many as 10 million regular colloidal silver users throughout the U.S. and Canada, and tens of millions more throughout Europe, Asia and the rest of the world.

Colloidal silver has also become one of the most popular natural substances used by missionaries and charitable organizations in Third World countries, where it is openly used to help control infections among the native poor who cannot afford expensive prescription antibiotic drugs.

How Does Colloidal Silver Work?

Researchers have found that colloidal silver works against pathogens in three powerful ways:

- First, much like the mineral iron, silver is a powerful carrier of oxygen. But unlike iron, when silver comes into contact with an infectious microbe it releases an oxygen "burst" which damages the cell wall of the pathogen in much the same manner as hydrogen peroxide would.
- Second, silver acts as a catalyst, disabling the enzyme that single-celled bacteria, fungi and viruses use for respiration and metabolism. And it does so without harming surrounding human cells or tissues.
- Third, brand new research demonstrates that when tiny silver particles are absorbed through the damaged cell wall of the pathogen, these silver particles attach themselves to the DNA of the pathogen and thus prevent it from replicating. No replication means the infection can no longer spread.

Ultimately, and in very short course, the silver kills the pathogens completely.

What's more, additional research out of Hebrew University in Jerusalem demonstrates that the pathogens that are killed by the tiny silver particles begin to leach those particles into the rest of the colony, killing other nearby bacteria in an ongoing *chain reaction* that continues until the bacterial colony is wiped out.

The researchers even nicknamed this process the "zombie effect."

What Has Colloidal Silver Been Used On, Historically?

Here is a very short list of disease conditions against which colloidal silver has historically been used, according to historical medical texts:

- Acne
- Allergies
- Appendicitis
- Arthritis
- Bubonic plague
- Burns
- Cancer
- Candida yeast
- Cholera
- Chronic Fatigue Syndrome
- Colds
- Flu
- Pneumonia
- Pink Eye
- Sties and other eye infections
- Diabetes
- Gonorrhea
- Hay fever
- Herpes
- Leprosy
- Leukemia
- Lupus
- Lymphangitis
- Lyme disease
- Malaria
- Meningitis
- Rheumatism
- Ringworm
- Scarlet Fever
- Ear Infections
- Tooth and Gum Infections
- Sore throat
- Strep throat
- Shingles
- Skin cancer
- Staph infections (including MRSA)
- Syphilis
- Toxemia
- Trench foot
- Certain viruses, viral warts and stomach ulcers

Learn More

The above list is necessarily short. To learn more about how people have been using colloidal silver for the past hundred years and achieving astonishing results against stubborn infections and health conditions, see the following:

- **Testimonials –** To discover how thousands of people are using colloidal silver to heal infections and disease of an astonishingly wide variety, see the **Colloidal Silver Testimonials** page.
- **Articles –** To browse through nearly 500 articles on the healing and infection-fighting properties of colloidal silver, see the **Articles/Blog Posts** page.
- **Clinical Studies –** To see over 100 clinical studies, white papers and research reports on colloidal silver and other forms of antimicrobial silver, see the **Clinical Studies** page.
- **Expert Quotes –** To learn what the experts are saying about the healing and infection-fighting benefits of colloidal silver, see the **Expert Quotes** page.
- **How-To Videos –** To watch short videos demonstrating how people make and use colloidal silver for a wide variety of purposes, see the **How-To Videos** page.
- **Other Info Sources –** For additional comprehensive information on the uses of colloidal silver, see the **Best Sources of Information** page.

How Is Colloidal Silver Used?

Regular colloidal silver users most often ingest colloidal silver orally. But it can also be sprayed externally onto cuts, scrapes or burns.

As a daily mineral supplement, millions of Americans orally ingest anywhere from a tablespoon to an ounce a day (depending upon age and body weight) of a standard 10 ppm concentration of colloidal silver.

Others use it only when they are sick or feeling particularly run down. People have been known to take as many as one to five ounces a day (or sometimes even more) of a standard 10 ppm concentration, for very short periods of

time such as a week or two. Based on tens of thousands of anecdotal accounts, users claim that doing so will generally clear up a mild to moderate infection in only a few days, while more serious infections may take longer.

Many people put several drops of colloidal silver directly into their eyes to help eradicate eye infections such as Pink Eye or sties, often in the course of a single afternoon. And many more use it in a spray bottle to help eliminate sore throats. Some simply swish it around in their mouth to help prevent or eliminate teeth and gum infections. Others have been known to put a drop or two into their ears to help eliminate ear infections virtually overnight.

In accord with FDA guidelines, it's very important to note that there is no evidence for colloidal silver's safety or efficacy when used in such a manner, as it has never been put through the FDA's rigorous testing procedures for sale as an over-the-counter drug. Nevertheless, based on **thousands upon thousands of anecdotal accounts**, it does appear to work, and quite *extraordinarily* at that!

Experts warn that it's very important not to continue taking colloidal silver at high dosage levels for long periods of time, because it's possible that long-term use of excessively high dosages can eventually overwhelm the ability of the liver and kidneys to excrete excess silver, which can in turn lead to silver deposition in the tissues, organs and skin.

This, in turn, can result in an extremely rare cosmetic skin condition known as *argyria*, in which the skin turns grey or even bluish in color due to silver deposits. (Always consult with a licensed and skilled health care practitioner for serious health conditions.)

On Vacation? Colloidal silver users say you should always take colloidal silver with you while on vacation.

After all, pure silver has been used for thousands of years, by a variety of cultures, for preventing water from becoming bacterially contaminated. The Roman Legions, for example, were said to have placed silver coins in their water containers during long treks into battle, in order to help prevent the spread of bacteria in the water supply.

Numerous studies have shown that very small amounts of electrically charged silver ions injected mechanically into city water supplies are effective at keeping levels of fecal coliform and other bacterial contaminants under control.

And silver is used throughout Mexico and other Latin American countries to disinfect and/or decontaminate the local drinking water supply. It's even been used to disinfect water by NASA on the Space Shuttle, and by the Russian space program on their manned space flights.

Because of this, many travelers use colloidal silver to help keep drinking water free of harmful bacterial contamination while on vacation.

Others use it in their emergency water storage programs for the same purpose. Users frequently claim that adding one or two ounces of colloidal silver per gallon is all that's needed to keep drinking water from becoming bacterially contaminated, or to kill existing bacterial contamination.

Additionally, many colloidal silver users swear by colloidal silver for use as fast and effective an antidote for food poisoning, both at home and while traveling out of the country. Some users suggest that during instances of food poisoning, taking one ounce of colloidal silver every 10 minutes for several hours until symptoms subside is an effective nutritional remedy. Cruise ship lovers say colloidal silver could be your most important "must bring" product!

(We remind readers that under FDA guidelines there is no evidence for silver's safety or efficacy when used in such a manner, as it has never been put through the FDA's rigorous testing procedures for sale as an over-the-counter drug. You should always consult immediately with a licensed and skilled health care practitioner for serious health conditions.)

Is Colloidal Silver Safe to Use?

It's important to understand that when the Dartmouth University researchers studied silver in order to determine whether or not it was safe or toxic in humans, this is what they concluded:

> *"Trace amounts of silver are in the bodies of all humans and animals. We normally take in between 70 and 88 micrograms of silver a day, half of that amount from our diet. Humans have evolved with efficient methods of dealing with that intake, however. Over 99 percent is readily excreted from the body. Is silver harmful to humans? Unlike other metals such as lead and mercury, silver is not toxic to humans and is not known to cause cancer, reproductive or neurological damage, or other chronic adverse effects."*
>
> **— Dartmouth University Toxic Metals Research Program**

Or as Dr. Herbert Slavin, M.D., Director of the Institute of Advanced Medicine in Lauderhill Florida has put it, “Few things in life are as cut-and-dried as the fact that silver is completely safe when used within normal limits…Ionic silver is entirely non-toxic to the body.”

And as Dr. Jeffrey Blumer, M.D., Ph.D., director of the Center for Drug Research and former director of the Greater Cleveland Poison Control Center has stated:

> *“Common substances like table salt and aspirin are harmless with normal use, but excessive intake can become toxic and even life-threatening. With normal responsible usage, silver supplements are entirely harmless to humans.”*

As Byron Richards, CCN (Board Certified Clinical Nutritionist, charter member of the International Association of Clinical Nutritionists has stated:

> *“…the antibiotic properties of silver are quite potent – and the risk to human health in terms of toxicity is negligible.* [Silver has] *a far better risk/benefit profile than commonly used antibiotics.”*

And as Dr. Ron Leavitt, Ph.D., Professor of Microbiology at Brigham Young University has stated, regarding his own clinical studies of colloidal silver, “*The data suggests that with the low toxicity associated with colloidal silver, in general, and the broad spectrum of antimicrobial activity of this colloidal silver preparation, this preparation may be effectively used as an alternative to antibiotics*.”

Of course, no substance on the face of the earth is completely safe if used *abusively*. Even common nutritional supplements can be harmful when used outside of the bounds of common sense. For example:

- Abusive use of iron supplements can, over long periods of time, result in cirrhosis of the liver and heart failure.
- Abusive use of calcium over long periods of time can result in kidney malfunction, calcification of soft tissue within the body, cellular toxicity and impaired immune function.
- Abusive use of vitamin A over long periods of time can result in muscle pain, fatigue, irritability, depression, schizophrenia, fever, liver damage and anemia.
- Abusive use of selenium over long periods of time can result in nervous system damage.

None of those side effects justify being afraid to use the substances mentioned. Why? Because the key phrase involved in each one is "abusive use." When used responsibly and in moderation, these substances are not only benign, but extremely *beneficial* to one's health and well-being. But when used to dramatic excess, they can cause potentially serious health consequences if the abusive use continues over long periods of time.

It's *exactly* the same with colloidal silver. If you use it in moderation and with common sense, it's generally considered to be completely harmless. Thousands of experiential accounts (and tens of millions of bottles of colloidal silver sold annually, worldwide) suggest you can use it on a regular daily basis if you choose to, in small daily amounts.

Or you can use it from time-to-time on a strictly "as needed" basis in somewhat larger amounts. But what you *cannot* do is use colloidal silver in extremely high amounts every single day, for months and years on end. Why? Because like any other vitamin, mineral, herb or natural substance, such abusive use can result in problems rather than benefits.

Where Can Colloidal Silver Be Found?

Colloidal silver is widely available through health food stores and on the internet. There are literally thousands of vendors across the United States and Canada, offering a variety of colloidal silver products for about $20 to $30 for a tiny four-ounce bottle.

Unfortunately, that's quite expensive when you consider how quickly a tiny four-ounce bottle might be used up. For example, when fighting an active infection, some people take four ounces of colloidal silver – or more – per day, for short periods of time until the infection subsides!

So, you can see how quickly the cost can add up if you have to buy your colloidal silver through health food stores or other commercial venues.

Make Your Own Colloidal Silver for Pennies

Fortunately, you don't have to spend a lot of money to enjoy the phenomenal, infection-fighting benefits of colloidal silver. Why?

Because you can very easily make your own high-quality colloidal silver, at home, for about *thirty-six cents per quart*, using a safe, simple electronic device called a Micro-Particle Colloidal Silver Generator from The Silver Edge.

The Micro-Particle Colloidal Silver Generator is world's #1 best-selling colloidal silver generator. It's safe, and so easy to use just about anyone can do it. That's because it's been specifically designed for simplicity and ease-of-use. There are no complicated dials or switches.

In fact, if you can make coffee with a standard household electric coffee pot, you're qualified to make colloidal silver with a Micro-Particle Colloidal Silver Generator. That's how simple they are to operate. Here's a brief pictorial depiction showing how easy it is to use one:

For more information on this unique breakthrough in home colloidal silver-making technology, see the following web page:

- **MicroParticle Colloidal Silver Generator**

Or, if you're ready to order, just click the online order button below:

Order Now

With a high-quality Micro-Particle Colloidal Silver Generator, there's no reason to pay upwards of $20 to $30 for a tiny four-ounce bottle of colloidal silver, when you can make your own – for the rest of your life – for just *a few pennies per quart*!

In fact, with a Micro-Particle Colloidal Silver Generator, you can make colloidal silver so inexpensively that you can actually afford to give it away to friends, family members or neighbors.

You can even afford to *bathe* in it. In fact, many users simply throw a quart or so of colloidal silver into the bathwater, for its soothing effects on the skin and scalp! Others use it in their spas or hot tubs, in place of chlorine, bromine and other harsh chemicals.

Chapter 2: Is Colloidal Silver Safe to Use?

Overall, colloidal silver's record of safety is similar to any other nutritional supplement. But according to the experts there are some pitfalls – particularly when colloidal silver is used abusively. We'll take a look at that topic in this chapter...

Is colloidal silver safe to use?

This is probably the most frequently asked question I get from people interested in using colloidal silver.

But many people tend to couch that question in terms that indicate to me what they *really* want to know is "Can I use *as much colloidal silver as I want*, safely?"

I tend to re-word the question for them, by asking, "Do you mean you want to know if it's safe to take *excessive* or *abusive* amounts of colloidal silver?" Hopefully, that way they'll understand there *is* such a thing as taking excessive or abusive amounts.

This is important, because some people tend to become *obsessive* about colloidal silver usage, taking larger and larger amounts over long periods of time. I've never understood this. But I've *seen* it. So, I'd like to address that topic in this article, from a journalistic perspective.

Of course, I'm not a doctor. I'm a natural health journalist. So, I can't vouch for the safety (or lack thereof) of *any* substance.

All I can do is report on what I've learned as a journalist in the course of some 26 years of journalistic research and writing on natural health topics, including interviews with many hundreds of colloidal silver users and natural health advocates, and of course, using colloidal silver extensively myself during this time.

Considered Safe...But!

Colloidal silver is sold in just about every health food store in America, and throughout Canada and Mexico, parts of Europe as well as by hundreds of online vendors worldwide.

Millions of people use it annually. And its safety profile is considered to be similar to any other nutritional supplement. If used as directed, as a mineral supplement, it's generally considered safe.

What's more, throughout Europe preparations of silver (generally in the form of colloidal silver) are used worldwide as a water disinfectant, to help prevent microbial contamination.

For example, it's widely used on **yachts** and cruise ships.

It's also been used in **municipal drinking water systems** to reduce excessively high microbial counts.

And it's even been used by the **NASA and Russian space programs** to help prevent contamination of the water supply.

What's more, it's widely used as a water disinfectant in homes throughout countries like Mexico and others, as evidenced by this news report from The Silver Institute, an organization that reports on the many uses of silver worldwide:

> *"Since 1955, with the approval of the Ministry of Health of Mexico, Microdyn, a silver colloid, with a particle size of about 2 manometers, has been used to provide healthful water for its citizens.*
>
> *'A few drops of Microdyn available in small bottles provides sufficient silver to disinfect clear drinking water in about 10 minutes,' states Luis Arizcorreta Buchholz, president of Roland de Mexico, S.A, de C.V, Mexico D.E, Mexico.*
>
> *It's a convenient disinfectant for individual use in areas wherever tap water is suspect.*
>
> *…Its use is credited with a dramatic improvement in the health of the residents of the town of Cruz Azul, Lagunas, Oaxaca, Mexico, who for years had suffered rampant gastroenteritis.*
>
> *The introduction of a Microdyn coating to the town's water supply cisterns in 1977 made the difference. Other local water supply systems treated with Microdyn achieved similar results."*

Potters for Peace, as well as other organizations that help provide safe drinking water in developing nations have been **infusing colloidal silver into ceramic water filters for years**. This, as a means of giving poor people in remote villages where there's no running water, access to clean, safe water disinfected of any potentially harmful microbes.

And for decades here in North America a number of companies have manufactured and sold home water filters infused with colloidal silver, to help keep germs and other potentially harmful microbes from fouling the water supply.

The list goes on and on, but I think you get the point: Colloidal silver has been used in numerous ways, widely – and quite safely – for decades.

There's No Such Thing As a "Safe" Nutritional Supplement If Used Abusively

That said, there's no "safe" nutritional supplement on the face of the earth, *if a person uses it in excess*. I've mentioned the following examples before, but it bears repeating:

- ✓ The mineral iron, if used in excess, will cause your body's tissues and organs to accumulate iron, and eventually your tissues and organs will begin to "rust" (for lack of a more scientific term) causing untold damage to the body.
- ✓ The mineral selenium, if used in excess, will cause nervous system damage, convulsions and even death.
- ✓ The mineral calcium, if used in excess, will cause calcification of soft tissue within the body, cellular toxicity and even heart disease and cancer.
- ✓ Excessive use of vitamin A can cause liver damage, anemia and other problems.

I could go on and on, through each and every nutritional supplement on the market. But once again, I think you get the picture.

According to experts, all of these above-mentioned substances are highly beneficial to the human body when used within reason. And all of them are *potentially harmful when used in excess*.

Nutritional supplements – including colloidal silver – are used daily, for years on end, by millions upon millions of people, with practically **zero harm** *when used as directed, and with common sense and sanity*.

But there's not *a single substance on earth* that can't cause harm to the human body at some excessive or obsessive level of usage.

As Paracelsus, a physician living over 400 years ago who is often referred to as the "Grandfather of Pharmacology," wisely observed, "The dose is the poison."

In other words, a little bit might be very beneficial, but too much can be toxic.

Same for Colloidal Silver – Use Common Sense!

Point being, like any other supplement you should use colloidal silver wisely, with mature discretion.

If you were taking a daily multi-vitamin/mineral supplement, and it made you feel better, you wouldn't say to yourself, "Well, one capsule a day of this supplement makes me feel great, so I think I'm going to start taking a half bottle per day." Right?

Your common sense would override that impulse as being unreasonable. Same with colloidal silver.

If you take a teaspoonful of colloidal silver per day, or as some do, up to an ounce a day, and it makes you feel better, you wouldn't start drinking an entire 8 ounce glass of colloidal silver a day for the rest of your life, just because the standard daily dose made you feel better. Right?

Unfortunately, some people who take colloidal silver do *exactly* that. They get on the internet and find web sites on colloidal silver written by numbskulls who claim you can take colloidal silver daily, at ANY dosage level you want, for the rest of your life, and it won't cause any harm. And they begin drinking it in high daily dosages as if their very life depended upon it.

But the idea that colloidal silver is safe no matter what amount you drink, or how long you drink it, is utter poppycock, of course.

And you'd likely recognize it as poppycock if you were reading that you could safely take an entire bottle of vitamins per day, or an entire bottle of laxatives per day, or eat an entire bag of sugar per day.

But for some reason, some people honestly believe you can drink all of the colloidal silver you want, and it can't hurt you. They don't recognize it as poppycock when it pertains to colloidal silver. Why? I honestly just don't understand it.

Once again, the truth is, *anything* you overindulge in on a regular basis will cause problems at some point. Maybe not in six months, or one year, or even two years, but at some point down the line it's going to result in a problem.

Let's look, from a journalistic perspective, at some of the potential problems that could occur with excessive, long-term colloidal silver usage:

That Thing Called Argyria

According to the EPA (see quotes in **this article**), the *main* problem with colloidal silver is that when taken in excess for long periods of time, argyria can result.

Apparently, when abusive levels of colloidal silver are used, the body gets overwhelmed with silver particles and will start storing some of the excess silver particles inside the tissues.

In medical studies, researchers have demonstrated that the silver can accumulate in outer layers of tissue, and even in organs. (This is true, by the way, for just about any mineral supplement used in excess, including iron, copper, selenium, etc.)

But for some reason, with silver, the body will start trying to push the excessive silver accumulation out to the skin, which is your body's third major organ of elimination. (For example, this is why kids get pimples; the body pushes toxins out to the skin to get rid of them.)

But unlike other substances that might get stored in the body and even pushed out to the skin, the tiny submicroscopic silver particles end up getting *sequestered* in the skin, tightly bound to sulfide groups in the tissue.

And because silver tarnishes when it's exposed to bright light, any prolonged exposure to sunlight can literally discolor the silver-embedded skin gray, and sometimes even blue.

This is called *argyria*, or silver skin-staining. And according to researchers at the Environmental Protection Agency, it's the chief side effect of long-term excessive use of colloidal silver, or silver of any kind.

Here's an excerpt from what EPA has stated in their document titled "**Silver (CASRN 7440-22-4)**":

> *"The critical effect in humans ingesting silver is argyria, a medically benign but permanent bluish-gray discoloration of the skin.*
>
> *Argyria results from the deposition of silver in the dermis and also from silver-induced production of melanin.*
>
> *Although silver has been shown to be uniformly deposited in exposed and unexposed areas, the increased pigmentation becomes more pronounced in areas exposed to sunlight due to photoactivated reduction of the metal.*
>
> *Although the deposition of silver is permanent, it is not associated with any adverse health effects. No pathologic changes or inflammatory reactions have been shown to result from silver deposition.*
>
> *Silver compounds have been employed for medical uses for centuries. In the nineteenth and early twentieth centuries, silver arsphenamine was used in the treatment of syphilis; more recently it has been used as an astringent in topical preparations.*

> *While argyria occurred more commonly before the development of antibiotics, it is now a rare occurrence. Greene and Su (1987) have published a review of argyria."* [Underlining and italics mine. – ED]

Argyria Removal

Some experts say long-term colloidal silver users should watch for the pink of their gums to start turning grayish blue, indicating excessive colloidal silver usage.

Other say the lunula of the fingernails (the little white part at the bottom of your fingernails that looks like a half moon) will begin to become discolored, once again indicating excessive colloidal silver usage.

According to these experts, if you initially see that kind of skin staining occurring in those areas of your body, it's an indication you're taking too much colloidal silver and should refrain from further usage.

What's more, according to the experts, argyria is like a permanent tattoo of the skin. Sometimes small patches of argyria occur in different places on the body. And sometimes a person's entire facial area can become stained. So, can one's hands and feet, as the body tends to push excess silver to the extremities for some reason.

What's more, there's no "cure" for argyria. The skin staining is widely considered to be permanent. According to clinical studies I've read, even chelation therapy, which helps draw minerals from the body, is ineffective for removing argyria.

However, the good news is this:

In recent years some intrepid medical researchers have found that using a form of laser tattoo removal can get rid of many cases of argyric skin staining.

And there are now at least two practitioners I've recently become aware of in the U.S. – Dr. Alison Vidimos of the famous Cleveland Clinic, and Dr. Steven Popkow, M.D. in private practice in Los Angeles – who have successfully used the laser tattoo removal technique to help get rid of argyric skin-staining.

As one individual with argyria recently wrote me to say:

> *"Well, eight years ago, I ingested colloidal silver more than my body could get rid of and I unhappily turned gray on my face because of it. Some people noticed it and some people didn't. Anyway, here I am knowing I have what they call argyria.*

I've read that laser can really help minimize the gray or blue colored skin caused by argyria on some individuals. I searched and found a doctor experienced in using the right kind of laser. Thank goodness he was willing to help me.

This doctor also removes tattoos which is kind of what argyria is, a tattooing of the skin from ingesting too much colloidal silver.

I found Dr. Steven Popkow M.D. in Los Angeles, California. He is a very gentle and understanding doctor which is so important when it comes to such a sensitive issue.

For those seeking help also, his business address is: Skin Laser Center, 12027 Venice Blvd., Suite B, Los Angeles, California 90066 The phone number is: (310) 915-8060.

I've had 2 treatments so far and yes it is quite painful, but so worth it. I've got my original color back before I had argyria and I am completely thrilled.

With additional laser treatments, Dr. Popkow can treat the rest of the spots that get missed here and there.

I feel what Dr. Popkow charges is very reasonable. The cost is around $200 a treatment.

So, for the people on the west side of the United States, there is a doctor who helps with the discoloration of argyria and for those who live even further who might want to travel to see Dr. Popkow.

Today, I don't have to walk around worried about who might be wondering why my face is gray because it's not anymore.

I'm not a person that likes to hide, so I just went on living, but I feel the relief big time now thanks to Dr. Popkow. He has definitely changed my life for the better. The joy I feel is immeasurable.

I take chlorella everyday to help chelate metals out of the body internally. The silver is not just in the skin so cleansing is very important. This is my journey and my BIG lesson and I hope that I may be of help somehow to others."

So…the bottom line is, take your colloidal silver in moderation, and with a good, healthy dose of caution and common sense. As thousands upon thousands of **colloidal silver users can attest**, it's one of the most amazing healing substances on the face of the earth. But like anything else, the cautionary principle should always prevail: Use it wisely. Don't overdo it on a long-term basis.

Other Potential Problems with Excessive Colloidal Silver Usage

Some experts also say excessive use of colloidal silver over long periods of time can harm kidney function through some kind of unexplained toxic effect.

While there have been no clinical studies that I know of to prove this, there *is* some strictly anecdotal information, i.e., patients who have been found through blood tests to have kidney function problems, and who were also taking large amounts of colloidal silver for long periods of time.

Colloidal silver tends to get the blame in rare cases like this, even though the person may also have been a heavy drinker, or may have been taking prescription pain medications that can harm the kidneys, or may have been doing any number of other things that can harm the kidneys.

As soon as a doctor hears "I'm taking colloidal silver," it seems the silver *automatically* gets blamed and all other potential causes (particularly doctor-prescribed medications) tend to be ignored.

As Dr. Gary Connett wrote in the *Journal of the Royal Society of Medicine* in 2007:

> *"Case reports have described possible nephrotoxicity and neurotoxicity, but these have not been substantiated by studies in animal models."* (See *J R Soc Med 2008: 101: S51–S52. DOI 10.1258/jrsm.2008.s18012.*)

In other words, doctors have *speculated* that silver usage has caused harm to human kidneys and the human nervous system based on individual case reports, but that speculation has apparently not yet been proven to be true when silver is actually tested on animals to see how it affects the internal organs.

This doesn't mean the colloidal silver is being unjustly blamed. It just means that at this point, there's only anecdotal information to support the idea that excessive colloidal silver usage can damage kidney function. So, we await a good clinical study to clarify if it's true or not. And meanwhile, for the sake of safety, it's always best to err on the side of caution.

Are there other potential problems with taking excessive amounts of colloidal silver? There's one study that says an 80-some year-old man using relatively large amounts of colloidal silver daily for a long period of time started having monoclonal seizures, and died from them.

Of course, the doctors blamed the silver. But did it actually cause the seizures? No. When you read the proverbial "**rest of the story**," you'll likely conclude that the doctors

inadvertently killed the old gentleman with their harsh and extremely toxic treatments, and then blamed his previous colloidal silver usage for the resulting seizures and death.

And since then, there have apparently been no other verified clinical cases of colloidal silver usage being associated with seizures.

Another issue you might see claims about on the internet is that oral ingestion of colloidal silver can cause poor absorption of certain medications, including certain antibiotic drugs. Indeed, several years back the FDA had posted a "consumer alerts bulletin" on their website saying colloidal silver interferes with 8 different medications, including thyroid medications.

I saw that many other websites were copying parts of this notice and posting it on their websites, with shrill warnings not to use colloidal silver.

So, I hired a pharmaceutical company researcher to do some research and find the clinical documentation that silver usage interferes with absorption of these medications. After an extensive search, the researcher could not find any clinical studies documenting the FDA's assertion.

I then researched the issue myself, and could find no clinical documentation. So, I wrote the FDA and asked them to document their claims. They wrote me back a "stall" letter, saying if I wanted to see their documentation, I'd have to file a Freedom of Information Act (FOIA) request. I think they figured I'd never take the time to do so, so they'd never have to document the claims.

So, I begrudgingly filed an FOIA request. And about a month later I got a notice from them admitting they couldn't document their claims. Later, they took the consumer alerts bulletin down from their website.

But a number of other websites that had copied or quoted it never corrected their information. So, it's still out there, on the web, today, potentially misleading folks into believing colloidal silver will inhibit absorption of their medicines.

You can read more about my adventures with the FDA on this matter, and see their response to my FOIA request, in this short **article**.

As an aside, I find it interesting that a Brigham Young University **study** found quite the opposite, i.e., colloidal silver added to a number of different prescription antibiotic drugs *increased* the antibiotic effectiveness of the drugs. Another study found that **silver enhances the effectiveness of 26 different antibiotic drugs**. And yet another study found that **silver boosts the effectiveness of antibiotic drugs by up to 1,000x!**

Moderation is the Key

The bottom line is that like any other nutritional supplement – or any other substance on the face of the earth, for that matter – colloidal silver should always be used in moderation, with common-sense. And it certainly won't hurt to let your doctor know you're using it so he can double-check the medical literature to make sure there's no potential contraindication with your current medications. This is common sense.

Others well-known experts, like Dr. Jonathan V. Wright, M.D. say you should always make sure you have plenty of antioxidant nutrients in your diet when you're taking colloidal silver, to help prevent potential toxicity. According to a report from Dr. Wright:

> *"Silver belongs to the family of metals that also includes copper and gold (both of which can also have numerous health benefits when they're used properly).*
>
> *One of the primary concerns people tend to have about using these metals is the risk that they'll accumulate in the body and lead to heavy metal toxicity.*
>
> *But if you have plenty of antioxidants in your diet, such as selenium, vitamin E, and amino acids like N-acetyl cysteine, you're safe from any harmful effects from this family of metals. Germs, however, are not."*
>
> **— Dr. Jonathan V. Wright, M.D.**

Obsessive, Abusive Use of Colloidal Silver

How often does argyria or silver toxicity occur?

Not very often. It's estimated that tens of *millions* of people worldwide take colloidal silver, or are exposed to it through water disinfection processes or other means.

And to the best of my understanding from the medical literature, there are only a few hundred people at any one time who suffer from skin staining or other medical issues from silver exposure in spite of such widespread colloidal silver exposure.

As the EPA stated in the document from the quote above: "While argyria occurred more commonly before the development of antibiotics, it is now a rare occurrence."

Many experts say the reason cases of argyria have declined – even though the public use of colloidal silver has skyrocketed – is because silver *compounds* that were commonly used in the early 19th century were responsible for most cases of argyria, and those silver compounds are no longer widely used. Instead, electrically generated colloidal silver is now more commonly used.

But there are *still* cases of argyria on the records apparently caused by usage of modern-day electrically generated colloidal silver, as evidenced by the most recent "colloidal silver blue man," Paul Karason, who **appeared on television** some years back.

In most of the documented cases I've seen written up, the individuals stricken with argyria **openly admitted** taking excessively concentrated batches of colloidal silver, or excessive amounts of colloidal silver, daily, for long periods of time.

In other words, it was OBSESSIVE and ABUSIVE use of colloidal silver that caused the problems.

The media tends to make a circus out of cases of argyria – parading the victims onto various television news shows – because of course becoming ashen gray, or even blue, is a very unusual thing. And frankly, it *IS* a big deal if it happens to you.

The important thing to understand, based upon the literature, is that it doesn't have to happen to *anybody*. If people would just use colloidal silver responsibly, like they do any other nutritional supplement, argyria would very likely be so rare as to be virtually inconsequential.

But for some unknown reason, it appears that a small subset of people tend to get overly zealous about colloidal silver usage. Example: I could point out at least a half dozen web sites to you right now which people are claiming, basically, that you can take any amount of colloidal silver you want, every day of your life, and it can't harm you as long as it's "properly made."

Again, this is pure bunk. A total lie. No matter how well-made colloidal silver is, if you take too much of it for too long of a period of time, *there is a potential it can cause you harm.* By the way, the same is true for any substance on the face of the earth...including *water* (it's called "drowning").

Colloidal silver should always be used reasonably and responsibly, as a mineral supplement. It's that simple.

Colloidal silver not a cure-all. (Though thousands upon thousands of people **attest to its beneficial effects**. And the fact that literally *millions* of people worldwide use it says plenty about its benefits.)

And like *all* other substances, it's certainly not "perfectly safe at any dosage."

But the FDA has allowed it to be sold over-the-counter as a mineral supplement, because when it's used sanely, responsibly, with common sense, and not abused, its record of safety is **similar to any other nutritional supplement**.

In short, colloidal silver is considered by most nutritional supplement advocates to have a favorable safety profile. Like all other nutritional supplements or natural substances, its safety lies largely *in the hands of the user*.

Chapter 3: Is Silver a Toxic "Heavy Metal"?

Silver is often referred to by its detractors – in ominous, sensationalistic tones – as a "toxic heavy metal."

But is this true? Or is it just overblown rhetoric and propaganda from those with a vested interest in keeping people in abject fear of silver, and in ignorance of its powerful healing and infection-fighting qualities?

Let's face it. Just about anything can be toxic if used abusively. But as I'll explain below, silver is not in the least bit toxic when used within reason and moderation.

Here's what you need to know…

Silver, gold, copper and platinum are *noble metals*, not "heavy metals" like mercury, plutonium or lead.

The confusion comes in because silver has been used alongside of mercury for decades, in mercury amalgam fillings.

In dentistry, the silver, a noble metal, is combined with mercury, a toxic heavy metal, because silver helps defeat many of mercury's toxic qualities by acting as a stabilizer. And it provides antimicrobial protection as well.

Because the two metals are used together in dentistry, people tend to lump them together. But nothing could be further from the truth.

As Harvard-educated Dr. Jonathan V. Wright, M.D. states:

> *"Silver belongs to the family of metals that also includes copper and gold (both of which can also have numerous health benefits when they're used properly).*
>
> *One of the primary concerns people tend to have about using these metals is the risk that they'll accumulate in the body and lead to 'heavy metal toxicity'.*
>
> *But if you have plenty of antioxidants in your diet, such as selenium, vitamin E, and amino acids like N-acetyl cysteine, you're safe from any harmful effects from this family of metals. Germs, however, are not."*

In other words, the body has a perfectly good mechanism for processing and eliminating silver, as long as the proper antioxidants are present.

Indeed, people have safely been ingesting silver in small amounts for thousands of years. As the Dartmouth University Toxic Metals Research Program states:

> *"Trace amounts of silver are in the bodies of all humans and animals. We normally take in between 70 and 88 micrograms of silver a day, half of that amount from our diet.*
>
> *Humans have evolved with efficient methods of dealing with that intake, however. Over 99 percent is readily excreted from the body.*
>
> *Is silver harmful to humans?*
>
> *Unlike other metals such as lead and mercury, silver is not toxic to humans and is not known to cause cancer, reproductive or neurological damage, or other chronic adverse effects."*

As Britain's greatest expert on the use of silver in healthcare, Dr. Alan B.G. Lansdown has stated:

> *"Contrary to statements that all forms of silver are cumulative once they enter body tissues and that very little is excreted, silver is actively metabolized in the human body and a large part eliminated eventually via the liver, urine and hair...*
>
> *…there is very little substantive evidence that silver acts either as a cumulative poison in the human body like lead and mercury, or that it reaches toxic levels in any tissue.*
>
> *Silver does accumulate preferentially in the basement membrane region of the dermis, but no evidence has been seen to show that this is either life-threatening or a clinical manifestation of toxicity."*
>
> **— *"Silver in Healthcare: Its Antimicrobial Efficacy and Safety in Use,"* by Alan B. G.Lansdown, pg. 45, 59, 60**

According to researchers Drake and Hazelwood, in the study "Exposure-Related Health Effects of Silver and Silver Compounds: A Review" (see earlier link for full study):

> *"Silver in any form is not thought to be toxic to the immune, cardiovascular, nervous, or reproductive systems (ATSDR, 1990) and is not considered to be carcinogenic (Furst andSchlauder, 1978)."*

And as stated in the April 2010 issue of *Journal of Materials Engineering and Performance*, metals such as silver, copper and gold are noble metals, not "heavy metals":

> *"Noble metals such as copper, gold, and silver have broad-spectrum antimicrobial activity.*
>
> *For example, silver has several effects on microorganisms, including impeding the electron transport system and preventing DNA replication...*
>
> *…In previous studies, silver has demonstrated antimicrobial activity against a broad range of fungi, viruses, and bacteria."*

In the January 28, 2016 issue of the journal Nanoscale Research Letters, researchers also point out that silver is a noble metal:

> *"Nanoparticles made of noble metals have also received attention over the last few years, as they can be used in medicine, biology, material science, physics, and chemistry.*
>
> *Among the several noble metal nanoparticles, silver nanoparticles (AgNPs) have attracted special attention due to their distinct properties, which include favorable electrical conductivity, chemical stability, and catalytic and antibacterial activity."*

Finally, as stated in an article titled "Nanosilver: Naughty or Nice?", published by the Society for Science & the Public:

> *"Jim Hutchison is a chemist and an expert in nanoparticles at the University of Oregon in Eugene…*
>
> *…So far, Hutchison's research suggests nanosilver and the silver ions it sheds probably aren't harmful to people…*
>
> *'You can never prove every technology is going to be safe before you use it,' he says. 'But silver doesn't seem to be toxic to us.'*
>
> *In a 2011 study published in the journal ACS Nano, Hutchison's team looked at silver jewelry and eating utensils under high-powered microscopes. They found the solid silver products were shedding nanoparticles.*
>
> *'This means nanosilver has been in contact with humans for a long, long time,' he says. And that, he concludes, 'should be reassuring, because those exposures don't seem to have caused harm.'*

…Ramune Reliene, a cancer researcher at State University of New York in Albany, says that studies do show that nanosilver can damage human cells. But those studies exposed cells to anywhere from 100 to 10,000 times more nanosilver than people currently encounter in the environment.

…Also, the cells were in a Petri dish. A cell inside a living creature works differently than it does in some dish in the lab.

…Andrew Maynard, an environmental health scientist at the University of Michigan in Ann Arbor, is doing similar research into silver's effects on the body. His team has not published their data yet, but they are willing to share some early findings.

Chief among them: Maynard says his group 'saw virtually no ill effect' of feeding mice very high levels of nanosilver for up to 28 days."

The bottom line is that silver is not a "heavy metal." And any "toxicity" is strictly related to taking excessive dosages.

"The Dose is the Poison"

After all, anything on the face of the earth can be toxic if ingested in excessive dosages. As the ancient physician *Paracelcus* used to teach:

"Poison is in everything, and no thing is without poison. The dosage makes it either a poison or a remedy."

— Paracelsus PA (1493-1541)

In other words, there's no substance on the face of the earth that's not harmful at some dosage level.

As I mentioned in a previous chapter, most common nutritional minerals in your daily, multi-vitamin/mineral supplement can be extremely toxic if taken in excessive dosages.

- The mineral selenium can cause nervous system damage when ingested in excessively high doses.
- The mineral iron can cause heart disease and other serious problems when ingested in overly high doses.
- The mineral copper, in excessive dosages, can be a nervous system toxin.
- Zinc or any of the other minerals that are essential to human health, and which you probably take every day in your daily multi-vitamin/mineral supplement, can be toxic if ingested in excessive quantities.

I could go on and on through all of the minerals, but I think you get the point. This does not make any of these nutritional minerals "heavy metals" or "toxins." It just makes excessive usage of them problematic.

The same is true with silver. Silver is virtually harmless when used in small daily amounts (except in extremely rare cases of silver allergy, in which the most common side effect is rash or hives).

But like all other minerals silver can be toxic if used abusively over long periods of time. So the key is to use silver in *moderation* – just like you do with minerals like iron, selenium, zinc, or chromium – and not in excessive quantities over long periods of time.

It's All a Matter of Perspective

It might surprise you to learn that in many countries, silver is consumed orally, literally by the *tons* every single year.

For example, in India, several times a year during certain festivals, as well as at weddings and at the traditional outdoor food bazaars, the people eat traditional Indian sweets. And these sweets are wrapped in a pure silver foil called *Varak* (or *Varakh*) that's been beaten thin so it can be used to wrap the food.

These sweets are generally ingested *silver foil and all* by the Indian people. This has been going on for thousands of years in India. Just about everybody there does it. (See article **here**.)

And there's apparently never been any cases whatsoever of "silver poisoning" or harm from "heavy metal toxicity" from this traditional cultural activity.

Indeed, the government of India has approved silver foil as a food-grade ingredient, as long as it's 99.9% purity or better.

In other words, the Indian government doesn't limit the use of edible silver, but they do regulate the *purity* of the silver that can be used in food applications and eaten, allowing their citizens to eat only the purest silver possible!

(See "Justifying the Need to Prescribe Limits for Toxic Metal Contaminants in Food-Grade Silver Foils, journal of Food Additives and Contaminants, 2005 Dec;22(12):1219-23.)

As stated in the journal Materials Research Innovations, Vol. 11, No. 1, (2007) pages 3-18:

> *"A recent paper by Das et al. provides the remarkable datum that some 275,000 kg [i.e., 605,000 pounds – ED] of edible metallic silver foil are consumed every year (in food) in India.*
>
> *No known adverse health effects have ever been recorded. This epidemiological evidence that silver as a metal is not toxic in any way needs no further comment.*
>
> *Further support for the obvious safety of consuming metallic silver (Ag0) is in the worldwide consumption of (so called) silver colloids, often made at home in primitive electrochemical cells by probably some millions of citizens, again with no ill effects."*
>
> **— Das, M. Dixit, S. Khanna, S. K., Food Additives and Contaminants**

Again, that's an astonishing 605,000 pounds – or 302.5 *tons* – of silver are ingested *every single year* in food, in India. You'd think the entire population of India would be in the hospital suffering from "heavy metal poisoning" by now, but obviously they're not.

As Keith Moeller of American Biotech Labs has pointed out in his very interesting White Paper titled "The Safety of Using Silver Solutions and the Risk of Argyria":

> *"It is estimated that the Indian tradition of eating candy and cakes wrapped in metallic silver foil (eaten foil and all) came from their historically gained knowledge that in their warm, moist climate with little refrigeration of foods, eating the silver-covered candy and cakes after meals would kill the bacteria consumed with the food, before it had a chance to do damage to their body systems.*
>
> *In other words, the people of India have proven over the last thousand years that eating or consuming small amounts of metallic silver in traditional Indian foods has no negative effect on the body or body systems."*
>
> **— Keith Moeller, *The Safety of Using Silver Solutions and the Risk of Argyria*, American Biotech Labs, January 15th, 2008**

New Clinical Safety Study

Interestingly, researchers at the University of Utah recently released the first-ever double-blind, placebo-controlled human ingestion safety study of colloidal silver, and found zero signs of "toxicity" or other detrimental effects on the human body from the daily ingestion of small amounts of colloidal silver.

What was most fascinating to me was that as a preliminary to the study, the researchers conducted MRI scans and blood work on one individual who had been using small daily

amounts of colloidal silver for 15 years, and could find no evidence whatsoever of silver deposition in the tissues or organs, and no signs of toxicity either.

You can read my article on this recent study at **this link**.

So, I think that carries along pretty well with the notion that the vast majority of ingested silver is indeed effectively eliminated from the body, and causes no "toxicity" at all as long as excessive/abusive amounts are not taken that could overwhelm the body's built-in mechanisms for eliminating silver.

Use of Silver in Foods in Europe, India and the U.S.

Silver is also used in foods in both the U.S. and throughout Europe.

Indeed, for hundreds of years here in the U.S., cake decorators have added silver *dragees* (those little tiny silver balls) to cakes and cupcakes.

Most people don't know those little silver balls contain a combination of pure, ground-up silver mixed with sugar. Yet in all of these years, there was *never* a case of "poisoning by dragee" or "heavy metal toxicity by dragee," even though Americans have eaten literally *tons* of these silver-based sweets on baked goods and cakes.

Heck, when I was a kid my mom was a cake decorator, and I used to pick those little silver balls off the cupcakes and eat them first because they tasted so good.

Sometimes I'd even swipe her little plastic container full of silver dragees from the kitchen cupboard and eat them all. Now that was probably 45 or 50 years ago, and I was never harmed by it.

But now apparently some money-grubbing lawyer has started suing U.S. companies that make the silver dragees, claiming the silver is "toxic." As a result, most companies that sell silver dragees now print the words "for decorative purposes only" on the package.

According to the news articles I've read, this lawyer openly admits he's never been able to find anyone who's been harmed by consuming the little silver dragees. Nevertheless, he's actually won some court victories by claiming silver is a 'toxic metal' and the companies selling the dragees are acting irresponsibly by selling them as a food item.

According to news reports, he uses a "protect the children" approach, which of course, gains him great sympathy from ignorant trial jury members who believe his claims of "toxic silver" even though these little silver balls have been consumed by kids and adults

alike for many decades here in the U.S. and there's never been a single person harmed by eating them.

In Europe, silver is also allowed as a food ingredient in cakes, candies and other sweet goods. In fact, in the European Union silver has its own "E-number," meaning its own food additive approval number, which is E 174.

It's approved in *quantum satis*, meaning in practically unlimited amounts, as long as it's pure, and is used as a food "colorant" in decorative cakes, candies or other sweets, such as the little silver dragees discussed above. It's apparently even approved for use in the ultra-thin sheets such as those used on sweets in India.

Here's what the EU document allowing the use of silver as a food additive states:

> *"E 174 (Silver) is used to decorate cakes, candies, and other sweets, and Annex IV of Directive 94/36 allows unlimited use (quantum* satis*) of this* colourant *in foods.*
>
> *The standards for purity regarding E 174 (Silver) are reported in EC Directive 94/45 of the 26 July 1995 Commission, which deals* withcolourants *that can be used in foods.*
>
> *The Directive notes that silver presents as a powder composed of finely ground particles of the metal. The metal can also be transformed into ultra-thin sheets or films."*

According to Anders Sultan, Sweden's largest manufacturer of colloidal silver:

> *"In Europe one of those tiny silver balls used in sweet foods like cakes and candies contains the equivalent of 30 ml [i.e., a little over one fluid ounce – ED] of 10 ppm colloidal silver.*
>
> *That's 300 micro grams per decoration ball. Two year old kids usually have ten or more of these on a piece of birthday cake.*
>
> *That is the same as drinking 300 ml [i.e., a little over 10 ounces – ED] of a 10 ppm colloidal silver product."*

Well, all I can say is I hope the damned lawyers in Europe don't find out about this, or they'll be suing the European Union health and food authorities for promoting "toxic heavy metal poisoning" of children.

Finally, according to a study published in the journal *Food Additives and Contaminants* (2005 Dec; 22(12):1219-23), even the United Nations and the World Health Organization have approved of pure silver as a food additive.

Indeed, the Food and Agriculture Organization of the United Nations FAO and the World Health Organization WHO, which evaluate the safety of food additives, has included silver in the list of approved food additives for use world-wide.

Look at the Facts

So when you can step back and look at the facts, the whole idea that silver is a "toxic heavy metal" is ridiculously overblown.

As Keith Moeller of American Biotech Labs has pointed out:

> *"As of late, many doctors, scientists, and now the media, have been claiming that silver is a problem because it is a 'heavy metal,' and as such can poison the body.*
>
> *The problem is not with the silver but with the misinformation and inaccurate knowledge being spread by the people speaking about silver.*
>
> *The real answer is that silver is not toxic when used at reasonable levels and quantities. Any substance, even water, in excessive amounts can be fatal.*
>
> *Toxic nephropathy or heavy metal poisoning is defined as, "Any functional or morphologic change in the kidney produced by an ingested, injected, inhaled, or absorbed drug, chemical, or biological agent."*
>
> *The MERCK Manual is sometimes referred to as the "Scientific Bible of Diagnosis and Therapy" by many scientists and doctors.*
>
> *Silver is not listed in the manual for causing heavy metal poisoning, because it does not cause it. (See MERCK manual, 17th Edition, Pg 1880, table 226-1, third item listed, for the full list of heavy metals that cause toxic nephropathy)."*

The bottom line is that tens of millions of people worldwide use products like colloidal silver regularly. And literally *tons* of pure silver are consumed in food items by tens of millions of people around the world.

What's more, silver has been used in the drinking water on space flights for both the Space Shuttle and in the Russian Space Station (see **here**).

It's used in Mexico to disinfect the drinking water...it's used on cruise ships to disinfect the water…it's used in third world countries to disinfect the drinking water (see **here**).

So, literally all around the world to this day silver is regularly ingested in relatively small amounts. And it virtually *never* causes any harm except when people get stupid and start abusing it by taking excessively large quantities on a regular basis.

Otherwise, it has a number of fabulous infection-fighting and health-promoting qualities which you can read about on the **Colloidal Silver Success Stories** website.

Mom's Protective Rule

Clearly, if silver was actually a "toxic heavy metal" it would not be approved as a food additive by the governments of India, America, the European Union, or organizations like the World Health Organization and the United Nations.

Could you imagine actual toxic heavy metals like lead or mercury being approved of as food ingredients in this day and age? Of course not.

But the reality that silver is approved virtually worldwide as a food ingredient, as well as a nutritional supplement in most countries, won't stop people with hidden vested interests (usually drug company shills) from making the sensationalistic claim that silver is a "toxic heavy metal."

We just have to make our own decisions, from the facts at hand, and take responsibility for our own personal choices.

When I was a very young child my mother taught me a simple rule to live by:

"Moderation in all things."

Whenever I've stepped outside of the boundaries of that rule for any prolonged period of time, I've usually paid quite a price for it. And when I've lived by that rule, I've done pretty well. It's common sense that taking substances abusively – regardless of how otherwise benign they may be – can lead to harm.

And considering the fact that over the past few decades a very tiny handful of people who have taken colloidal silver abusively have ended up with what have been described as toxicity issues, I think I'll stick to the "moderation in all things" rule when taking colloidal silver.

I've been taking colloidal silver almost daily for nearly 26 years now, in relatively small dosages of an ounce a day or less, on average, and have had only good and healthful experiences with it.

If I'm experiencing an infection or illness of some kind, I might dramatically increase my colloidal silver dosage, sometimes to as much as four ounces, two or three times a day.

But afterwards I always take a nice two or three week "vacation" away from colloidal silver usage, during which time I drink lots of fresh, pure water to help flush any excess silver out from my kidneys and liver.

Then I go back to my normal (for me) one ounce a day daily regimen. Some people say I'm overly-cautious. And so be it. I think it's prudent not to take excessive amounts of colloidal silver daily for long periods of time.

What's more, I always take the antioxidant supplements known to help the human body process silver efficiently and effectively – supplements recommended by Dr. Jonathan V. Wright, M.D., such as Vitamin E, selenium and N-Acetyl Cysteine (NAC).

And I regularly supplement with a good, probiotic supplement composed of a "grid" of beneficial digestive microbes, just in case my colloidal silver usage kills off any of the good bacteria in my digestive tract.

The bottom line is that I thoroughly believe in my mom's old maxim of "moderation in all things." It's never let me down. And I'd like to keep it that way. So, I won't abuse colloidal silver (or any other substance, frankly) by taking excessive amounts.

Chapter 4: Colloidal Silver, Blue Skin and the Lunatic Fringe

Okay, one last rant about the excessive use of colloidal silver, and the risk of argyric skin-staining that it poses:

I posted an **article** some time back titled “Table Salt v/s Colloidal Silver: Which is More Dangerous?” in which I defended colloidal silver usage against the slew of internet charges that colloidal silver usage is “risky” or even “dangerous.”

In that article, I pointed out that many other nutritional supplements, and many other common edible substances we all have in our homes – some of which we keep right on the kitchen table – can have far more dangerous side effects than colloidal silver.

I also noted in that same article that the only major side effect of colloidal silver usage is a condition called *argyria*, in which the skin can turn blue (or grayish), but *only* if extremely excessive amounts of colloidal silver are consumed *daily*, over long periods of time, such as for months or years on end.

One Thing I Failed to Mention: The Lunatic Fringe

One thing I failed to mention, however, is that there's a growing fringe group of colloidal silver users who believe, and vociferously teach in online groups, that "*you can drink all the colloidal silver you want, and it can't turn you blue as long as it's properly made*."

This, unfortunately, is as far from reality as one can get.

I can't for the life of me understand why people don't understand the fact that argyria – otherwise known as argyric skin-staining, or "blue man syndrome" – is strictly a matter of the *amount* of silver ingested, regularly, over long periods of time.

It doesn't matter how well it's made, or how poorly it's made. The best-made colloidal silver on the face of the earth will indeed turn your skin blue, if you *overdose* yourself on it, regularly, for many months or years on end. And the worst-made colloidal silver might *never* turn your skin blue, if you take it at reasonably small dosage levels.

I've harped on this simple, irrefutable fact for years. But a growing body of people continue to ignore it, use colloidal silver abusively, and teach others to use it abusively, as well.

So, for those of you who might have fallen for this claptrap from the lunatic fringe about being able to take all of the "well-made" colloidal silver you want, no matter how egregiously high the dosage is, the plain simple fact of the matter is that you're courting argyria. Sooner or later, your skin will turn blue. It may take many years. But you can count on it.

Go to any argyria support group on the internet and spend a month, or so, on the site talking to the blue people. You're attitude that "you can drink all the colloidal silver you want, and it can't turn you blue as long as it's properly made" will certainly change.

And please don't think I'm turning against colloidal silver usage. I'm not. Far from it. I wrote the best-selling book of all times on colloidal silver usage, ***The Ultimate Colloidal Silver Manual*** (547-pages).

I also wrote the recent online bestseller, ***Colloidal Silver and Cancer: a Surprising Look!***, which has recently been updated to over 190 pages, with six new chapters.

I've been studying, writing about, and using colloidal silver for 26 years now. And the only things blue on me are my eyes. And I was born that way. But I don't take excessive daily amounts. And that's why I'm still not "blue" after *a quarter of a century* of colloidal silver usage.

But…I'd most certainly have blue skin by now if I hadn't learned, early on, to strictly limit my *daily* dosage, and only use colloidal silver in larger dosages when I really need it, for very short periods of time, such as a few days to a week or so when I'm fighting an active infection.

My earliest mentors in colloidal silver usage – circa the early 1990's – both turned blue (well, one turned ashen gray and died, the other turned blue and moved to another country to escape the lawsuits that followed him for his bad advice on colloidal silver usage, that turned a host of other people blue).

So, the people from the lunatic fringe can scream and yell all they want about how long they've been drinking six, eight, ten, twelve, fourteen (or however many) ounces of colloidal silver a day. But I promise you, they'll be screaming another tune when they turn blue from it.

And if *you're* drinking that much, every single day, for years on end, you *will* turn blue, too, eventually, if you don't put a stop to it, pronto.

It might take ten years, like it did Paul Karason (the so-called "colloidal silver blue man") and few others. Or it might only take a few months or a few years, if your body's mechanism for eliminating silver is sluggish. But blue (or bluish-gray) you most certainly will be.

An Example

I remember one lady who was fighting an active Lyme Disease infection. She wrote me to say she had been drinking 16 ounces a day of properly made colloidal silver, for half a year, and she had "no fear" of turning blue because she'd "done her own research" and had concluded that as long as it's made right, you can't end up with argyria.

I warned her otherwise, in the strongest of terms. But she persisted. Six months later she wrote me back asking me why I never told her she could turn blue, and begging me to tell her how to "get rid of the blue skin" she'd suddenly acquired.

I copied and pasted my original email warnings to her, and gently reminded her that I'd very clearly warned her about turning blue for her excessive and abusive colloidal silver usage, and that she'd told me she'd "done her own research" and had come to a different conclusion.

Can't Stand the B.S.

Listen, I love colloidal silver. But I can't stand the B.S. I've seen all over the internet, too many times now, that "you can drink all of the colloidal silver you want, as long as it's properly made."

Last week, on one popular colloidal silver group, some folks were actually bragging about how much colloidal silver they're drinking daily. Some were drinking six, eight, ten, twelve, even sixteen ounces a day, compared to the normal daily nutritional supplement dosage of a teaspoonful to one ounce, depending upon one's body weight and the ppm of the colloidal silver product being used.

The comment string was like a contest to see who was drinking the most. And everybody was saying, "Don't worry. It can't turn you blue, as long as it's properly made."

That's total B.S. And there's close to 15,000 people on that group, many of whom are falling for this nonsense.

When I posted a comment on that group, explaining why these folks were courting argyric skin staining, some of them responded with thanks. But I was ridiculed by many others who insisted they've been drinking these egregiously high amounts of colloidal silver for months or even years on end, and have not yet turned blue.

I'll explain in just a moment why they've not yet turned blue, but most certainly *will*, sooner or later, if they continue their excessive and abusive usage of colloidal silver.

But first, let me very quickly explain my philosophy on this matter:

If you want to live fast and loose, it's your life. I don't care. I'm very libertarian on this matter. I believe adults should be able to do whatever they want with their own bodies. But to be duped into doing so, under the influence of blatant misinformation, is extremely sad to see. It's a freaking tragedy. I've talked to too many blue people to feel differently about this. Their lives are ruined.

And many thousands of good folks on that online group are indeed being *duped* by the lunatic fringe who tell them they can drink all of the colloidal silver they want, and can never turn blue as long as it's "properly made."

Who's at Risk?

In general, most adults who take larger-than-usual dosages of colloidal silver *only on the rare occasion when they're actually sick with a short-term infection*, are fairly safe from

argyria. After all, it is an extremely rare condition, and it usually takes many years of *daily* abusive colloidal silver usage to end up with argyric skin-staining.

As an example, I've taken six, eight or even ten ounces of colloidal silver in a single day, in divided doses, to help stop a nasty bout of food poisoning. But afterwards, I always take a nice long "vacation" away from colloidal silver usage, and drink plenty of fresh, pure water to help my body eliminate any excess silver particles.

Likewise, adults who only take a teaspoon to an ounce of colloidal silver per day, as a nutritional supplement, are going to be just fine.

That's because, generally speaking, it takes *a lot* of silver being used daily, for *a really long time*, for silver to accumulate in the body to the point that the body must begin pushing it out to the skin.

So, the people at the greatest risk for argyria are the ones who take excessively large dosages *every single day, for months or years on end*.

How Argyria Happens

It's important to understand exactly how argyria happens. This is widely misunderstood. But I'll keep it as simple as possible. So here goes:

Argyria results when so many excessive doses of colloidal silver have been ingested, *regularly*, over long periods of time (months/years on end), that the body's mechanism for eliminating colloidal silver gets overwhelmed, and the body eventually begins storing, in the internal tissues and organs, the excess silver it was unable to eliminate.

Then, when a saturation point is reached *internally*, the silver-laden tissues and organs begin GRADUALLY pushing the excess silver out to the lower layer of the dermis (i.e., the skin's lower layer), in an effort to get rid of it.

And once enough silver accumulates under the lower layer of the dermis, and gets exposed to bright sunlight (or a tanning bed) the silver particles tarnish, staining the skin a bluish or grayish color, much like a tattoo.

The fact that it takes such a long time to acquire argyria, even when drinking ungodly amounts of colloidal silver, is precisely why you hear so many people say, "I've been drinking eight or ten ounces of colloidal silver per day for the past five years, and I haven't turned blue yet."

Yes, they probably *have* been drinking those large amounts for five years. But the only reason they're not blue or gray yet is because their body has been storing all of that excess silver *in their internal tissues and organs*.

Their body simply hasn't yet begun pushing it out to the skin. Or, not quite enough of the stored silver has yet been pushed out to the skin to tarnish in bright sunlight and stain the skin gray or blue. But eventually, it will.

That's because, once a saturation point has been reached internally, the body will indeed begin pushing more and more of that excess silver out to the skin. And, upon exposure to bright sunlight (or a tanning bed) it will tarnish and stain the skin blue or gray.

Sluggish Mechanism for Eliminating Silver

Another issue you have to take into account is that in some folks, the body's mechanism for eliminating silver is very sluggish, while in other folks it's very active or energetic.

So, a person with an active or energetic mechanism for eliminating silver can go for a *long* time drinking excessive amounts of colloidal silver before the silver particles begin to accumulate in the tissues and organs, and are eventually pushed out to the skin.

But a person with a very sluggish mechanism for eliminating silver can't go nearly as long.

So *biological individuality* certainly plays a role in who will end up with argyria, and how long they can take excessive dosages before it happens. My question is this: Why take the risk at all, by using such excessive dosages? Why not use colloidal silver *responsibly* instead of *abusively*, and still reap all of its many healing, infection-fighting benefits?

Again, I'm talking about people who take extremely high daily dosages of colloidal silver for months or years on end. Not people who, on rare occasion, might take a higher-than-usual dosage for a few days, or maybe a week or so, to help the body fight off an active infection, such as a flu, or food poisoning, or something like that. And certainly not people who take relatively small amounts of colloidal silver, daily, as a nutritional supplement.

But this is why some people who have regularly ingested excessive daily amounts of colloidal silver have turned blue in as little as two or three years, while others might take as long as ten years or so. The fact that some people process and eliminate silver better than others means some people who use colloidal silver abusively will turn blue faster, and some slower. But turn blue they eventually will.

One gentleman I corresponded with several years ago had his skin turn blue in only six months of colloidal silver usage. But that poor guy was drinking a quart a day. Why anyone would drink that much, I have no idea. It's just courting disaster. When I asked

him what could possibly have driven him drink that much colloidal silver every day, he just replied, “I don’t know. I guess I just overdid it.”

Understatement of the year!

Another Quick Example

I’ll never forget a young lady who’d been drinking 10 or 12 ounces of colloidal silver per day, for what she told me was a long-term kidney infection.

When she told me how much she’d been drinking, for four or five months on end, I asked her why she was still using colloidal silver if her kidney infection wasn’t being helped by it.

She replied that her colloidal silver usage had indeed stopped her kidney infection quite some time back, but she felt she “had to” keep drinking that much, continuously, in order to stop the infection from coming back.

That sounded like a sure case of *obsession* with colloidal silver, to me. So, I wrote back and told her that I was worried she was going to end up with argyric skin-staining if she didn’t stop ingesting such high dosages. It’s only common sense. But she wrote back and said she’d prefer to keep taking the colloidal silver, and that it was none of my business what she did.

When I warned her, in writing, by email, that the amount of colloidal silver she was drinking was egregious, and that argyria was very real, she pooh-poohed my warning and mocked me, by email, for being so “chicken shit.” She said her skin was “perfectly white,” and that she knew her colloidal silver usage could not turn her skin blue because she was “making it right.”

So, I wrote her off as another member of the lunatic fringe, and went on about my business. Again, I believe grown adults should be able to do whatever they want with their own bodies, or take whatever risks they want, as long as they’re not hurting anyone else.

But then, about six months later, she wrote me again, this time really pissed off.

She was screaming mad, because summer had arrived, and she wanted a nice tan so she could go to the beach, already tanned, with her girlfriends. So, she had driven to a local tanning salon and hopped onto a tanning bed. And her skin turned blue after the bright tanning lights oxidized the silver particles that had become stored under the lower layer of her skin, thanks to her long-term excessive (and obsessive) usage of colloidal silver.

She then tried to pin the blame on me, saying I should never have "recommended colloidal silver usage to her" when it was clearly so "dangerous."

So once again, I reminded her that I had never recommended she take colloidal silver for any condition. (She later admitted that her *psychiatrist* was the one who had recommended it.)

And then I found my email warnings to her about the excessive dosages she was taking, and I sent copies of those emails back to her as a reminder, along with her email replies in which she'd ridiculed my warnings about the excessive dosages.

People DO the Darndest Things

There's a very old TV show called, "People Say the Darndest Things."

Well, there should be another TV show called "People DO the Darndest Things." (Actually, there was a movie called Jackass: the Movie, which pretty much fits the bill.)

I'll probably never understand why people use colloidal silver so obsessively and abusively, since it's so freaking *easy* to use colloidal silver *responsibly* and enjoy its many powerful healing benefits *without* having to risk argyric skin-staining.

The bottom line is that colloidal silver usage can be fabulously helpful and healthful, if you don't use the stuff *abusively*, over long periods of time.

You might already know that I sign every article I write about colloidal silver like this:

"Yours for the safe, sane and *responsible* use of colloidal silver."

And I've advocated that safe, sane and responsible usage, over and over and over again. I've done so now for 26 years.

But people prefer to listen to, and believe, the lunatic fringe colloidal silver "gurus" who say you can never turn blue "as long as your colloidal silver is properly made."

Go figure.

Chapter 5: First-Ever Colloidal Silver Human Ingestion Study

Several years ago, American Biotech Labs released what is believed to be the first ever human ingestion safety study on a colloidal silver supplement.

The published abstract for the study states that ingestion of the patented ABL nanosilver product showed no negative effects on any tested system in the body.

One of the charges commonly laid against colloidal silver supplements by critics and natural health skeptics is that there have been no “double-blind, placebo-controlled human ingestion studies” conducted on the substance.

Well, *now* one has.

American Biotech Labs has just released the preliminary data from a double-blind, placebo-controlled cross-over phase study conducted by researchers at the University of Utah, at Salt Lake City.

Study Details

The new **study** is titled *An In Vivo Human Time-Exposure Investigation of a Commercial Silver Nano-Particle Solution*.

In the study, healthy volunteer subjects ingested American Biotech Labs 10 ppm colloidal silver solution for periods of three days, seven days and 14 days.

There were 36 subjects in all, 12 per each of the three time-exposures studied.

The study subjects took one tablespoon of the American Biotech Labs colloidal silver product per day (15 mL/day) for their assigned period.

Afterwards, at the end of each phase, they underwent extensive tests for:

- Metabolic rate
- Blood and platelet count

- Urinalysis
- Sputum hyper-responsiveness and inflammation evaluation
- Physical examinations
- Vital sign measurements

Plus, the researchers conducted magnetic resonance imaging (MRI) examinations of the chest and abdomen at baseline, and at the end of each phase.

According to the study authors:

> *"No clinically important changes in any metabolic, hematologic, or urinalysis measure identified were determined.*
>
> *No morphological (or structural) changes were detected in the lungs, heart (cardiac function) or abdominal organs.*
>
> *No changes were noted in sputum reactive oxygen species or in pro-inflammatory cytokines."*

Important Data

These results are important, because critics often charge that colloidal silver ingestion harms blood cells, kidney function or function of other organs in the body.

And some critics even falsely charge that ingestion of colloidal silver boosts the body's production of potentially dangerous free radicals and inflammatory cytokines.

Of course, in previous *in vitro* clinical studies (i.e., laboratory test-tube studies), colloidal silver has actually been demonstrated to **protect human nervous system cells** from harm.

Colloidal silver has also been demonstrated in *in vitro* clinical studies to **prevent blood clots** without causing harm to red blood cells.

What's more, in another *in vitro* clinical study, researchers found that instead of colloidal silver causing an increase in pro-inflammatory cytokines, it actually ***reduced* them**.

And on page 235 of ***The Ultimate Colloidal Silver Manual***, I write extensively about a recent *in vitro* clinical study demonstrating silver's ability to significantly *quench* free radical activity in brain cells, rather than cause it as critics so often charge.

Finally, a 2011 oral ingestion **study** and a 2012 oral ingestion **study**, both using animals, demonstrated that even relatively high doses of silver nanoparticles taken over short periods of time caused no mortality or acute toxic signs in the animals tested.

So the shrill cries of the skeptics, critics and colloidal silver naysayers remain *completely unfounded* to date.

Now, the positive results determined by this University of Utah human ingestion study constitute another milestone in negating the hyperbolic accusations of the critics of colloidal silver.

As the study authors conclude:

> *"In-vivo oral exposure of a commercial 10-ppm silver nano-particle solution over 3, 7, and 14-day exposures does not exhibit clinically important changes in metabolic, hematologic, urine, vital sign changes, physical findings or imaging changes visualized by MRI.*
>
> *Further study of increasing time-exposure, dose, and additional organ systems, including cytochrome P-450 enzymes, is warranted."*

In short, this first preliminary study demonstrated that the daily consumption of the colloidal silver product tested was safe for the time exposures studied, and indicates that longer-term human ingestion studies need to be conducted for further insight.

No Silver Deposition

As a prelim to the human ingestion study, Keith Moeller, a managing director at American Biotech Labs who has been taking small amounts of colloidal silver almost daily for over 15 years, volunteered to be checked for silver deposition in his body.

The researchers did an array of blood tests, as well as a full body MRI scan that took nearly two hours while they checked each organ looking for evidence of silver deposition in his body.

No silver residue was found anywhere in Moeller's system. No harm to his bodily functions was discovered. No abnormalities were found.

In short, properly made colloidal silver, used responsibly in small daily amounts, appears to be abundantly safe even over the long-term.

The Bottom Line: Widely Used With Amazing Safety!

The bottom line is that hundreds of thousands of oral colloidal silver doses are used every month in the United States with no significant adverse effects or detrimental consequences.

Now, for the first time ever, a double-blind, placebo-controlled, crossover phase study has demonstrated conclusively what's already been demonstrated for the past 60-plus years in uncountable numbers of real-life situations, i.e.:

> *Colloidal silver when properly made and **responsibly used** has one of the safest toxicological profiles of any nutritional supplement.*

In contrast, prescription drugs, even when properly used, result in an average of 106,000 deaths per year, plus untold adverse reactions and side effects, according to the *Journal of the American Medical Association*.

While the critics ignore the above data and tout the very small handful of cases in which negative effects were attributed to colloidal silver after it was used abusively over long periods of time, they will now have to admit that *responsible* use of colloidal silver has no serious clinically discernible negative consequences.

Chapter 6: What Real Medical, Scientific and Clinical Experts Have to Say About Colloidal Silver Usage

So-called "skeptics" and "quack busters" groups claim colloidal silver usage is little more than "quackery" and "snake oil" being promulgated by "charlatans."

Often, these groups use well-known medical or science personalities to spread anti-colloidal silver propaganda throughout the popular media. In other cases, they apparently work together to manipulate Google's internet search engine results so that only negative articles about natural health topics such as colloidal silver appear at the top of the results.

But in spite of the negative propaganda against colloidal silver, many bona-fide doctors, clinical researchers and scientists have actually studied the science behind colloidal silver, and have even used colloidal silver and other silver-based substances in their practices. And as a result, they know for a fact that silver's infection-fighting qualities are beyond dispute.

In this article we'll take a look at what some of the most prominent medical, science and clinical research experts in the world today have to say about colloidal silver and its usage. And, in the process, we'll see why the so-called "skeptics" and "quack busters" are all-too-often truly the real charlatans…

Several years back, I **wrote** about Canada's "Mr. Science," Dr. Joe Schwarcz, who in a recent article in the *Montreal Gazette* has publicly decried colloidal silver usage as "quackery"…and who stated in that article, in no unequivocal terms, that colloidal silver simply doesn't work in the human body. In his own words:

> *"*[Colloidal silver] *may well have an antibacterial effect in a petri dish, but that is a long way from having an antibacterial effect when taken internally. No scientific evidence supports the benefit of ingesting any form of colloidal silver."*

I also wrote about some of the interesting people and organizations with which Dr. Joe Schwarcz is infamously associated, including Lorne Trottier, who sits on the board of the notorious atheistic and anti-natural health "skeptics" group, CFI Canada…

…and who, according to the *Montreal Gazette*, has contributed $5.5 million dollars to the efforts of Dr. Schwarcz to put natural health remedies and their proponents "out of business."

Yes, folks. It's true.

So called "skeptics" groups and "quack buster" organizations are quite literally spending *millions upon millions of dollars* to make sure that the only opinion the public can form of natural healing and nutritional substances like colloidal silver is a *decidedly negative* one.

In this article, however, you'll discover what some of the *real* medical, science and clinical research experts have to say about the many documented, infection-fighting benefits of colloidal silver and other silver-based remedies.

And you'll see why natural health "skeptics" like Dr. Joe Schwarcz of Canada are dead wrong in their negative assertions against colloidal silver usage.

The Experts Disagree With Canada's Mr. Science!

So, let's get started. Here's an interesting quote from Dr. Kent Holtorf, M.D., of the Holtorf Medical Group, from his medical White Paper, "Safety and Efficacy of Intravenous Oligodynamic Silver":

> *"Hundreds of thousands of doses of oral colloidal silver and thousands of doses of intravenous colloidal silver are given every month in the United States.*
>
> *This is usually done to treat acute and chronic infections including those associated with chronic fatigue syndrome (CFS) and fibromyalgia (FM).*
>
> *The effectiveness of the use of oral and intravenous colloidal silver in the treatment of chronic fatigue syndrome and fibromyalgia was presented at the 38th Annual Meeting of the American Academy of Environmental Medicine…*
>
> *…(Identifying the Causes and Exploring the Newest Treatment Options for Chronic Fatigue Syndrome, Fibromyalgia and Environmental Sensitivities) in October 2003…*

> *The extremely low level of colloidal silver used at 23 parts per million (ppm) has been shown to have little or no potential for toxicity while having the significant potential for clinical benefit.*
>
> *The effectiveness of oligodynamic silver's antimicrobial action at extremely low doses in combination with its potential immune stimulating actions, makes oligodynamic silver an ideal naturally occurring substance in the treatment of CFS and FM."*
>
> **— Dr. Kent Holtorf, M.D., Holtorf Medical Group, *"Safety and Efficacy of Intravenous Oligodynamic Silver"***

So, according to Dr. Holtorf – a bona-fide and highly respected M.D. – not only is colloidal silver effective in the treatment of chronic fatigue syndrome and fibromyalgia, it's effective at such low levels there's "little or no potential for toxicity."

In other words, it's about as safe as you can get. Hmmm. This Dr. Holtorf must be some kind of quack, right? Well, no. He's actually the founder and medical director of Holtorf Medical Group, which specializes in innovative evidence-based therapies for hard-to-treat and poorly understood illnesses such as…

….hypothyroidism, complex endocrine dysfunction, chronic fatigue syndrome, fibromyalgia and chronic infectious diseases including Lyme disease and chronic viral illness. What's more, he's published a number of peer-reviewed endocrine reviews, and is a guest editor/peer-reviewer for a number of medical journals including the journal *Endocrine*.

He received his doctorate of medicine from St. Louis University, with residency training at UCLA. He's also the Endocrinology Expert for AOL Health. And he's regularly featured as a medical expert in major magazines and on TV news, including Fox News and others.

So, this must be some kind of anomaly, right? A bona-fide medical doctor who touts colloidal silver usage? Surely there aren't any *other* bona-fide medical doctors who advocate for the use of colloidal silver.

Errr…wrong!

Here's another interesting quote on colloidal silver usage, this one from Dr. Jonathan V. Wright, M.D., a graduate of Harvard, as well as the University of Michigan Medical School, and who now runs the famous Tahoma Clinic in Washington state:

> *"Colloidal silver just might be the next germ-fighting wonder drug. And not just for the serious threats making headlines: It's also effective against bacterial infections like strep throat, viruses like the flu, and fungal infections like Candida.*

No matter how much a germ mutates, it can't change enough to escape the damaging effects of colloidal silver. And in the process, the silver doesn't harm human tissue or kill off the good bacteria in the intestine the way antibiotics and other medications do…

…Beginning in the 1970s, several independent researchers found that silver ions easily destroy Candida and other fungi. But it wasn't until a pilot study during the mid-1990s that included human patients suffering from terminal AIDS that medical researchers established solid evidence showing just how quick and effective silver ions can be in the treatment of Candida as well as HIV.

In this study, nine individuals who were near death were divided into two subgroups. One group suffered from HIV and a terrible Candida infection. The other group suffered from both HIV and an extreme form of malnutrition (known as Wasting Syndrome).

The researchers found that in both groups the colloidal silver was capable of killing pathogens and purging the bloodstream of germ defenses in order to restore the immune system."

— Dr. Jonathan V. Wright, M.D., Tahoma Clinic, WA

Do you think Canada's "Mr. Science," Dr. Joe Schwarcz, should have balanced out his **anti-colloidal silver diatribe** by quoting the views of someone like Dr. Jonathan V. Wright, M.D.…a bona-fide medical doctor and Harvard graduate, who actually knows the medical science behind the use of colloidal silver, and who's actually *used* colloidal silver in his clinical practice, and has personally *witnessed* its effectiveness first-hand?

Ahhh…I guess that's just too much to ask for. After all, I think we all know that fairness and balance is not even remotely a part of the equation when it comes to the propaganda efforts of "skeptics" and "quack busters."

Here's another interesting quote on colloidal silver from a high-powered medical expert, Dr. Joseph Weissman, M.D., a board-certified immunologist and Assistant Clinical Professor at the University of California Medical School:

"Today, many antibiotics are losing the battle with germs. Fortunately, the best germ killer, which was discovered over 2,000 years ago, is finally getting the proper attention from medical science – natural silver. I sincerely recommend that everyone have electrically generated colloidal silver in their home as an antiseptic, antibacterial and antifungal agent."

— Dr. Joseph Weissman, M.D. board certified immunologist and Assistant Clinical Professor at the University of California Medical School

I wonder if Dr. Weissman realizes how much trouble he could be in with the so-called "quack busters" and "skeptics," for holding the view that the *entire general public* should "have electrically generated silver in their home" for "antiseptic, antibacterial and antifungal purposes"?

Well, truth be told, I don't think Dr. Weissman is too darned worried about their self-serving views. Do you?

Okay…that's *strike three* for the quack busters and their ilk. Should I keep going? Ahh… *why not*?

We'll give them another chance or two. Here's a quote from the Toxic Metals Research Program of the prestigious Dartmouth University. Surely, *they'll* agree with Canada's "Mr. Science," and decry silver as being horrifically unsafe and unfit for the human body. Let's see:

> *"Trace amounts of silver are in the bodies of all humans and animals. We normally take in between 70 and 88 micrograms of silver a day, half of that amount from our diet.*
>
> *Humans have evolved with efficient methods of dealing with that intake, however. Over 99 percent is readily excreted from the body.*
>
> *Is silver harmful to humans? Unlike other metals such as lead and mercury, silver is not toxic to humans and is not known to cause cancer, reproductive or neurological damage, or other chronic adverse effects."*
>
> **— Dartmouth University Toxic Metals Research Program**

Oops…my bad! Obviously, those guys over at Dartmouth are a bunch of snake oil peddlers, right? Ahhh…not so fast. Actually, the Dartmouth University Toxic Metals Research Program is known to be one of the best research programs of its kind…*in the world*.

Hmmm. That's strike *four* for the so-called "quack busters" and their ilk. Are you even *allowed* four strikes?

Well, when you're dealing with the mentality that says natural health products and regimens are "quackery" and synthetic chemicals and drugs are "real medicine," you cut them a little slack by throwing them a few extra slow pitches, right?

Here's a quote from a very popular best-selling health book written by two of the top natural health experts in the United States today, Dr. James F. Balch, M.D. and his wife, Phyllis A. Balch, CNC. Let's see what they have to say about colloidal silver:

> *"Taken internally, colloidal silver can be used to fight infection. It has been shown to be effective against more than 650 disease-causing organisms, including Escherichia coli (E. coli) bacteria and the fungus Candida albicans."*
>
> **— *Prescription For Nutritional Healing* by Phyllis A Balch CNC and James F Balch, M.D., pg 66**

Blasphemy! You *can't* say that, Dr. Balch. After all, it goes against the orthodox medical view. Oh? What's *that* you say? You *are* a medical doctor? Ahem! Excuse *me*, sir.

Well, now that we're clearly on a roll, let's see if any *other* bona-fide medical physicians use colloidal silver to good effect. Here's a quote from another medical doctor, author and educator, discussing one of his colleague's clinical experiences inhaling colloidal silver into the lungs to treat pneumonia, through a device called a nebulizer:

> *"Dr. Marcial-Vega has had considerable clinical experience with a colloidal silver preparation that contains between 20 and 25 parts of silver per million parts of water.*
>
> *This preparation has proven effective in patients with HIV in quickly resolving pneumonias due to pneumocystis, streptococcal, staphylococcal, klebsiella and fungal infections. In the hospital, the therapy is administered by a special nebulizer as well as orally."*
>
> **— *Physicians Guide To Natural Health Products That Work*, by James Howenstine, M.D., pg 262**

"Considerable clinical experience"? "Proven effective in patients with HIV"? "Quickly resolving pneumonias due to pneumocystis, streptococcal, staphylococcal, klebsiela and fungal infections"?

This must be some kind of mistake, right? Surely Dr. Howenstine is misconstruing Dr. Marcial-Vega's clinical experience with colloidal silver. After all, this Dr. Marcial Vega sounds like some kind of charlatan, right?

Let's see what the famous Health Science Institute had to say back in 2001 about Dr. Marcial-Vega's clinical work with colloidal silver. Maybe they'll set the record straight on this topic:

"Just in his last decade of medical practice, Dr. Marcial-Vega has treated hundreds of people with a variety of viral, fungal, and bacterial pneumonias. And of all the available treatments, he has seen the greatest success with nebulizer treatments using a colloidal silver preparation.

Silver has long been known for its anti-bacterial properties, and the nebulizer allows the mineral to reach the lungs and kill harmful bacteria. Now, in the face of the anthrax threat, he believes it can do the same thing with anthrax spores.

'We are constantly filtering all kinds of bacteria through our lungs,' explained Dr. Marcial-Vega. Normally, a healthy body is able to kill off any dangerous bacteria on its own. But in the case of illness, like pneumonia, or an especially lethal bacteria like anthrax, the body may need some extra help.

For anthrax prevention, he recommends a daily nebulizer treatment with 4 cc's of colloidal silver. By following this protocol, Dr. Marcial-Vega says your body can likely kill off the anthrax spores before you even know you were exposed.

Colloidal silver may even be useful to treat cutaneous anthrax with the preparation being directly applied to the affected skin. Dr. Marcial-Vega says there are no concerns about using this treatment because colloidal silver has no toxicity and no side effects.

He has used the colloidal silver nebulizer treatments on infants, the elderly, and AIDS patients with pneumonia and has seen great results. All have responded quickly to the treatment even when no other approach seemed to help, and no one reported any adverse reactions."

— *Health Science Institute e-alert*, October 2001

Well, that proves it. This Dr. Marcial-Vega is clearly just another quack. A real snake oil salesman of the highest order, claiming to have cured all kinds of potentially deadly infections with colloidal silver.

Ahhh…once again…*not quite*. In fact, he's a bona fide M.D. He interned at Johns Hopkins Hospital and School of Medicine. And he was an instructor at the Washington University School of Medicine from 1988 to 1990. What's more, he was also a Clinical Assistant Professor at the University of Miami School of Medicine from 1990 to 1994.

Dang…maybe there really *is* something to this colloidal silver stuff, after all, huh? Dr. Marcial-Vega seems to think so. This is from the section of his web site titled "Colloidal Silver":

"Orally, take one teaspoon three times a day for any type of infection.

Nebulization– Excellent for respiratory tract infections such as pneumonia and bronchitis. Get a nebuliser machine and a mask. These can be found at most pharmacies.

Put 15 cc (two teaspoons) in the included receptacle, turn on the machine and breathe deeply and slowly for approximately 15 minutes or until all the liquid is gone. Repeat three times a day for colds, pneumonias, bronchitis and sinusitis.

If it makes you cough too much, add 20-30 grains of sea salt to the liquid just before nebulizing and shake.

This is a natural antibiotic that contains water and silver in a colloidal suspension. It is effective against bacteria, viruses and fungi."

— Dr. Victor Marcial-Vega, M.D.

Well, there you have *another* well-known, licensed and bona-fide medical doctor and medical instructor with credentials out the ying-yang, affirming the benefits of colloidal silver usage.

Could all of these people possibly be quacks? Here's *another* medical doctor who agrees that colloidal silver is a wonderful remedy for pneumonia-type illnesses:

"I have a friend who has suffered for years from chronic pneumonitis, caused by Pseudomonas. Sputum cultures were consistently positive, despite massive doses of horribly expensive antibiotics.

Then colloidal silver was suggested, and taken. Sputum cultures since have been negative, and the patient's general health and vitality greatly improved.

Her internist can't deny the improvement, but won't attribute it to the silver, of course! It would have occurred anyway; the silver just happened to come on the scene at the right time. Uh-huh."

— Dr. Paul Hine, M.D.

As Dr. Hine points out, among certain members of the orthodox medical community there seems to be a deep and abiding disregard for the use of antibacterial colloidal silver. Could it be they've read too many negative propaganda reports from the so-called "quack busters" and "skeptics" like Dr. Joe Schwarcz?

Fortunately, there are many, *many* more doctors like Dr. Hine who actually understand the science behind the substance, and who have witnessed with their own eyes the amazing healing benefits of colloidal silver.

Here's another one:

> *"Silver ions stimulate the lymphatic system by cleaning out the dead cells and bringing oxygen to the healthy cells."*
>
> **— Dr. Stephen West, DL, PMD (son of Dr. C. Samuel West, DN, ND, renowned chemist and internationally recognized lymphologist)**

Oh, shit…can you actually *say* that? After all, according to the FDA, there's *no evidence whatsoever* that colloidal silver has any purpose in the human body, or is effective at doing *anything*.

So, says the FDA, absolutely *nobody* should be ingesting it for healing illnesses or diseases, or even for cleaning dead cells out their lymph glands!

And of course, the so-called "skeptics" and "quack busters" always toe the FDA line, claiming colloidal silver is little more than "quackery," "snake oil" and "charlatanism," and that there's "no scientific evidence" for benefits from ingesting it.

So how can prestigious doctors, clinical researchers and scientists such as those above claim that colloidal silver is such a phenomenally beneficial healing substance? After all, I thought you weren't *allowed* to disagree with the FDA? Isn't that against the law, or something?

Let's try another expert, and see if we can find somebody who will actually agree with the so-called "quack busters" like Dr. Joe Schwarcz and assure us that colloidal silver use is unsafe:

> *"Few things in life are as cut-and-dried as the fact that silver is completely safe when used within normal limits."*
>
> **— Herbert Slavin, M.D., director of the Institute of Advanced Medicine in Lauderhill, Florida**

All right, that just about *does* it! You just can't *say* things like that, even if you are an M.D. and director of a well-known medical institute. It's just *not* right, according to the FDA. After all, they and their "quack buster" followers have *assured* us that colloidal silver is "all risk and no benefit."

Maybe an expert from the Center for Drug Research, and former director of a major city Poison Control Center, will set the record straight for us, once and for all times:

> *"Common substances like table salt and aspirin are harmless with normal use, but excessive intake can become toxic and even life-threatening. With normal responsible usage, silver supplements are entirely harmless to humans."*
>
> **— Jeffrey Blumer, M.D., Ph.D., director of the Center for Drug Research, former director of the Greater Cleveland Poison Control Center**

Entirely harmless? Are you kidding me? Surely the so-called "skeptic" groups and "quack busters" wouldn't continue to assure us that colloidal silver is dangerously toxic, if it wasn't so. *Right*?

Let's see if we can find a more reasonable, *orthodox* view of colloidal silver and its safety and effectiveness. This time we'll go to a medical practitioner with over 37 years of bona-fide medical practice…

…including a Hero in Medicine award from the Palm Beach County Medical Society, an Outstanding Service Award from the National Association of Medical Examiners…and former Board President of the Florida Osteopathic Medical Association.

Surely someone with such prestigious medical credentials and sterling character as Dr. Ron Surowitz, D.O., M.D., will finally set us straight on the use of colloidal silver. Let's see:

> *"Sometimes a treatment can be worse than the illness, but not in the case of Colloidal Silver.*
>
> *I have my patients spray or swish Colloidal Silver in their mouths from one to three times daily, depending on the severity of their condition…or, in a dose of one quarter to one teaspoon, and even up to one tablespoon, one to three times daily for situations that are more problematic.*
>
> *I also have them use it in small amounts daily as a preventative…It's interesting how many of my patients improve with the use of Colloidal Silver. It enhances the immune system where other antibiotics cause yeast overgrowth…*
>
> *…[As an example] one patient had persistent yeast infections. Having had no success with both prescription and non-prescription treatments, she called me, at her wit's end.*

> *I suggested that she try a douche of two teaspoons of Colloidal Silver in a quart of water. Three days later she was evaluated in my office. The symptoms of her yeast infection had vanished, and there was no visible sign of infection."*
>
> **— Dr. Ron Surowitz, D.O., M.D., former head of the Florida Osteopathic Medical Association**

Are we starting to see a *trend* here, yet? I sure hope so. It sure seems like there's a LOT of bona-fide medical, science and clinical research experts who believe colloidal silver usage is…well… *beneficial as all get-out*!

Here's another interesting quote, this time from the author of a popular book on colloidal chemistry:

> *"…metallic silver in colloidal suspension…yield silver ions in such a quantity as to have a detrimental effect on microorganisms but slowly enough not to be irritating to the tissues.*
>
> *The colloidal silver particles provide a continuous source of these ions, yet the particles are not absorbed by the body tissue taken en masse in true solution by the body fluids;*
>
> *consequently, colloidal silver can be applied directly to delicate mucous membranes, such as those in the eye, with no irritation and with beneficial results…The colloidal particles diffuse gradually throughout the blood and give prolonged therapeutic action."*
>
> **— Robert J. Hartman, in his book, *Colloid Chemistry***

"Diffuse gradually through the blood"? "Give prolonged therapeutic action"?

Now hold your horses! Didn't Canada's "Mr. Science" assure us, in no uncertain terms, that colloidal silver has no benefit whatsoever in the human body? And that it's unsafe to boot?

Hmmm. The world seems to be full of quacks.

So, let's keep looking. Surely if we continue to look hard enough, we'll find an expert who will get us back on track. After all, there must be someone out there who will stand with Canada's "Mr. Science," Dr. Joe Schwarcz, and verify for us the utter uselessness of colloidal silver. Let's try a pharmacist:

> *"Many strains of pathogenic microbes, viruses, fungi, bacteria or any other single celled pathogen resistant to other antibiotics are killed on contact by colloidal silver, and are unable to mutate. However, it does not harm tissue-cell enzymes and friendly bacteria."*
>
> **— Ron Barnes, PhD., Pharmacist, Capital Drugs**

Well, apparently you just can't trust a pharmacist. Right? After all, they're not medical practitioners. They're just pill pushers.

So, let's ignore that quote, too, and see what a team of bona-fide clinical medical researchers have to say about colloidal silver:

> *"Study Synopsis: 88 patients with peptic ulcers orally ingested tablets containing colloidal silver oxide over a period of 9 days. Within 6 weeks, all cases except one were healed. The particle size of the silver oxide was "three-tenths of a micron and smaller."*
>
> **— Rendin, Larry J, Gamba, Carl L., and Johnson, Walllace M. 1958. *Colloidal oxide of silver in the treatment of peptic ulcer.* Pennsylvania Medical Journal. 61: 612-614.**

Well, *that* oughta give the so-called "skeptics" and "quack busters" an ulcer or two, wouldn't you say?

Alright. The "debunkers" keep striking out today. But let's not give up. Instead, let's continue our search for an expert who will agree with Canada's "Mr. Science," Dr. Joe Schwarcz, and assure us that colloidal silver usage is pure bunk.

This time we'll go with a board-certified clinical nutritionist. Surely a highly trained clinical nutritionist would know that colloidal silver is so worthless and so risky it has no place whatsoever in the human body, right?

> *"Colloidal silver is the product the FDA and many mainstream medical people love to hate. Listening to them you would think every person taking colloidal silver is going to turn gray with silver accumulation in their skin (argyria).*
>
> *Their worst nightmare is people taking colloidal silver to combat the H1N1 swine flu – the nightmare for them is that it might actually work.*
>
> *…The high efficacy in the use of silver to kill bacteria and fungus is not in question by anyone. This does not mean it kills every type of bacteria or fungus. And in the ones it does kill it does not mean it kills all of them.*

> *It simply means that the antibiotic properties of silver are quite potent – and the risk to human health in terms of toxicity is negligible.*
>
> *This is a far better risk/benefit profile than commonly used antibiotics."*
>
> **— Byron J. Richards, CCN, Board-Certified Clinical Nutritionist, charter member of the International & American Association of Clinical Nutritionists**

Okay, fine. Nutritionists are all quacks anyway, right?

Just like those medical doctors, clinical researchers, pharmacists, chemistry experts and drug researchers we've been reading about above. All completely nutzo!

So, let's see what a bona-fide microbiologist – a professor from a major university, no less – has to say. Surely, he'll tell us there's no possible human use for colloidal silver:

> *"The data suggests that with the low toxicity associated with colloidal silver, in general, and the broad spectrum of antimicrobial activity of this colloidal silver preparation, this preparation may be effectively used as an alternative to antibiotics."*
>
> **— Dr. Ron Leavitt, Ph.D., Professor of Microbiology, Brigham Young University**

Oh, oh. Did he just say colloidal silver may be used effectively "as an alternative to antibiotics"? Well, maybe ALL of these experts are quacks.

Let's try a dentist. Surely a dentist would know that colloidal silver can't possibly be helpful for treating disease conditions.

> *"Colloidal silver is very effective in treating periodontal disease (gum disease). My patients enjoy the clean fresh breath as colloidal silver immediately cleanses the mouth and destroys odor-causing bacteria. I would recommend that colloidal silver solutions be used after each dental procedure or surgery to eliminate infection and speed healing."*
>
> **— S.R. Cobble, D.D.S.**

Well, that didn't work out the way I thought it would. But I know if we just keep looking, we'll find someone to back up the views of Canada's "Mr. Science," Dr. Joe Schwarcz, who swears colloidal silver is a useless sham.

Let's try another medical doctor, this time a Board-Certified M.D. with over 30 years of practice in internal medicine who runs his own medical institute and has hospital privileges. Undoubtedly, he'll back up the contention of the so-called "quack busters" and

"skeptics" like Dr. Joe Schwarcz, and assure us that that colloidal silver usage is worthless:

> *"…Ionic silver is increasingly being recognized for its broad-spectrum antimicrobial qualities and the fact that it presents virtually none of the side-effects related to antibiotics.*
>
> *Ionic silver is entirely non-toxic to the body…Reports of any pathogens developing resistance to ionic silver are rare. Some reports indicate it even kills drug-resistant strains of germs.*
>
> *Ionic silver is also a powerful tissue-healing agent, so much so that it has been used topically for decades in burn centers and currently represents one of the fastest growing sectors – if not the fastest growing sector – in wound care today.*
>
> *The fact that ionic silver is effective against a very broad range of bacteria is well established and, due to recent advances in the delivery of ionic silver together with the problems associated with antibiotics, it is being used in a rapidly growing range of dietary-supplement, medical, and industrial products.*
>
> *…A study at the University of Arizona recently showed ionic silver to be effective against the coronavirus that researchers use as the surrogate for SARS."*
>
> **— Herbert Slavin, M.D., founder and director of the Institute of Advanced Medicine, Lauderhill, Florida**

Okay. *Another* quack, obviously. The world must be absolutely brimming over with them. But here's a pair of well-known medical doctors who will *surely* let us know if colloidal silver is quackery, or the real deal. After all, their medical reputations are at stake:

> *"…the collective authoritative medical literature has documented efficacy of silver's virotoxicity against over 24 viruses…A broad-spectrum anti-viral agent that really works is needed to combat over 200 viruses that cause Upper Respiratory Tract Infections.*
>
> *Undoubtedly oligodynamic silver fits this bill…Emerging medical studies confirm the stellar, broad-spectrum virotoxic efficacy of oligodynamic silver both in vitro and in vivo."*
>
> **— Dr Eric Gordon, M.D. and Dr. Kent Holtorf, M.D., *Townsend Letter for Doctors*, "A Promising Cure for Upper Respiratory Tract Infection Pandemics"**

Wow…did they just say that both in the test tube and in the body (*in vitro* and *in vivo*), silver has proven itself to display broad-spectrum toxicity to disease-causing viruses?

(See **www.ColloidalSilverKillsViruses.com** for more information on studies demonstrating colloidal silver to be effective against viruses.)

If it's beginning to look to you as if the so-called "skeptics" and "quack busters" who constantly rail against colloidal silver usage don't know what the heck they're talking about…you're absolutely right!

For example, the prestigious American Academy of Anti-Aging Medicine also disagrees with Canada's "Mr. Science," Dr. Joe Schwarcz.

Let's see what they have to say about colloidal silver usage:

> *"Often called the 'penicillin of alternative medicine,' colloidal silver disables the enzymes that bacteria, parasites, viruses, and fungi rely on to use oxygen. Unable to 'breathe,' the organisms die and are eliminated from the body.*
>
> *While an antibiotic drug may kill several types of disease organisms, colloidal silver delivers the kiss of death to at least 650 disease organisms. In addition, colloidal silver can be taken over long periods of time because microorganisms cannot develop a resistance to it.*
>
> *…Among the conditions colloidal silver has controlled are severe burns, acne, boils, candida and yeast infections, chronic fatigue syndrome, digestive problems and colitis, ear and sinus infections, herpes, shingles, lupus, malaria, viral and fungal infections, blood parasites, rheumatoid arthritis, and ringworm.*
>
> *Colloidal silver also has been effective in treating cancer and AIDS if used at certain point in the disease cycle when infected cells have reverted to a more primitive way of using oxygen, however these uses of colloidal silver are not clinically proven.*
>
> *…The recommended dosage of colloidal silver depends upon the concentration of the product you are using, which is expressed as "ppm" or "parts per million."*
>
> *Concentrations range from 5ppm to 500ppm. In general, the greater the ppm the larger the colloidal silver particle size. This variable is important because it takes a smaller particle size to kill a virus vs. bacteria.*
>
> *Some companies have developed technology that allows increased ppm while preserving a smaller particle size.*

Colloidal silver can be taken internally in a small amount of distilled drinking water. It also can be applied topically to cuts and open sores and can be inhaled or sprayed using an atomizer."

— The American Academy of Anti-Aging Medicine, Physician & Practitioner Administered Procedures and Therapies

Okay. I admit it. I'm stumped. I just can't find anyone of any repute whatsoever who will agree with Canada's "Mr. Science," Dr. Joe Schwarcz, about colloidal silver. But wait. Here's one. Since "Dr. Joe" used the topic of skin staining (argyria) as a means of scaring people away from colloidal silver usage in **his article** in the *Montreal Gazette*…

…let's find out what a member of the New York Academy of Sciences and the American Association for the Advancement of Science, who happens to have some very in-depth scientific knowledge on this specific topic, has to say:

"…you should be advised that we recently completed an extensive review of the scientific literature on the safety of silver, especially as it relates to its one known potential side effect, namely, Argyria.

Argyia is an irreversible discoloration of the pigment (skin) caused by excessive silver intake or chronic exposure to silver by certain tissues. The amount of silver required to develop Argyria is estimated [by the EPA] to be 3.8 grams per day.

By comparison standard 10 ppm colloidal silver contains silver in amounts equaling less than 1 milligram of silver (1,000 micrograms = 1 milligram; 1,000 milligrams – 1 gram)…

…which therefore represents an amount approximately 1/500th to 1/1000th of the amount of silver considered to be a risk in the development of Argyria.

Most cases of Argyria reported in the medical literature over the last 100 years involved chronic intravenous or intramuscular use of the silver preparations, most often involving a silver drug prescribed by physicians which in most cases contained silver nitrate.

Other cases of Argyria reported in the medical literature involve application of silver preparations used for many months or years in the treatment of the eye or vagina for certain diseases.

We could not locate a single case of orally consumed colloidal silver manufactured in the last 25 years causing Argyria in our review of the literature.

This is probably due to the low levels of silver contained in such preparations, since only very small amounts of silver are needed for its antiseptic effect.

Humans consume approximately 100 micrograms of silver every day in the diet. Additional amounts within this range would be considered safe by all reasonable estimates, especially if the amount needed to develop Argyria would be the equivalent of 380,000 micrograms (or 3.8 grams) of silver a day.

As for the efficacy of silver preparations, we found considerable scientific evidence published over the last 75 years that a number of silver compounds can be effective germicidal (antiseptic) agents against several hundred pathogenic organisms."

— Alexander G. Schauss, Ph.D., Emeritus member of the New York Academy of Sciences, member American Association for the Advancement of Science, former Chairman of the Food Policy Council of the National Council for Public Health Policy, member of the Government's Commission on Dietary Supplements

The Final Word...

As you can clearly see, there are a LOT of bona-fide science, medical and clinical research experts who have diametrically opposite views about colloidal silver usage and safety than those of Canada's intrepid "Mr. Science," Dr. Joe Schwarcz.

Of course, so-called "skeptics" like Schwarcz would probably not hesitate to label the above authorities as "quacks" and "charlatans" and "snake oil peddlers" since that's what they do with just about *anyone* who disagrees with their bought-and-paid-for views against nutritional supplements and natural health regimens.

In my humble opinion, the entire agenda of the so-called "debunkers" like Dr. Joe Schwarcz and their "quack busters" compadres is to use cleverly designed propaganda, combined with an aura of authority to confuse and befuddle the public into believing natural substances like colloidal silver are nothing more than "snake oil."

And they spend *millions* of dollars doing so – even in the face of knowing that huge numbers of their peers in the worldwide medical, science and clinical community completely disagree with them.

If you didn't know better, you'd almost have to think these so-called "quack busters" are working behind-the-scenes for Big Pharma, or the big multi-national chemical corporations, or some other nefarious bunch.

But of course, we all know they're just spending those millions of dollars out of their own pocketbooks and out of the goodness of their hearts, to "educate" the public about the nefarious hidden dangers of completely natural substances…

…while promoting the wondrous benefits of the chemical-laden foods, toxic chemical food additives and synthetic drugs brought to us by the big multi-national corporations behind Big Pharma and Big Farma.

It's Up to YOU…

So I'll have to leave it to you, dear reader, to decide between **"Dr. Joe's" denigration of colloidal silver**, and the expert opinions of the real-life scientists, medical doctors and clinical researchers cited throughout this article.

Do your own research. Conduct your own due diligence on **colloidal silver** and its usage. And decide for yourself who's right and who's wrong.

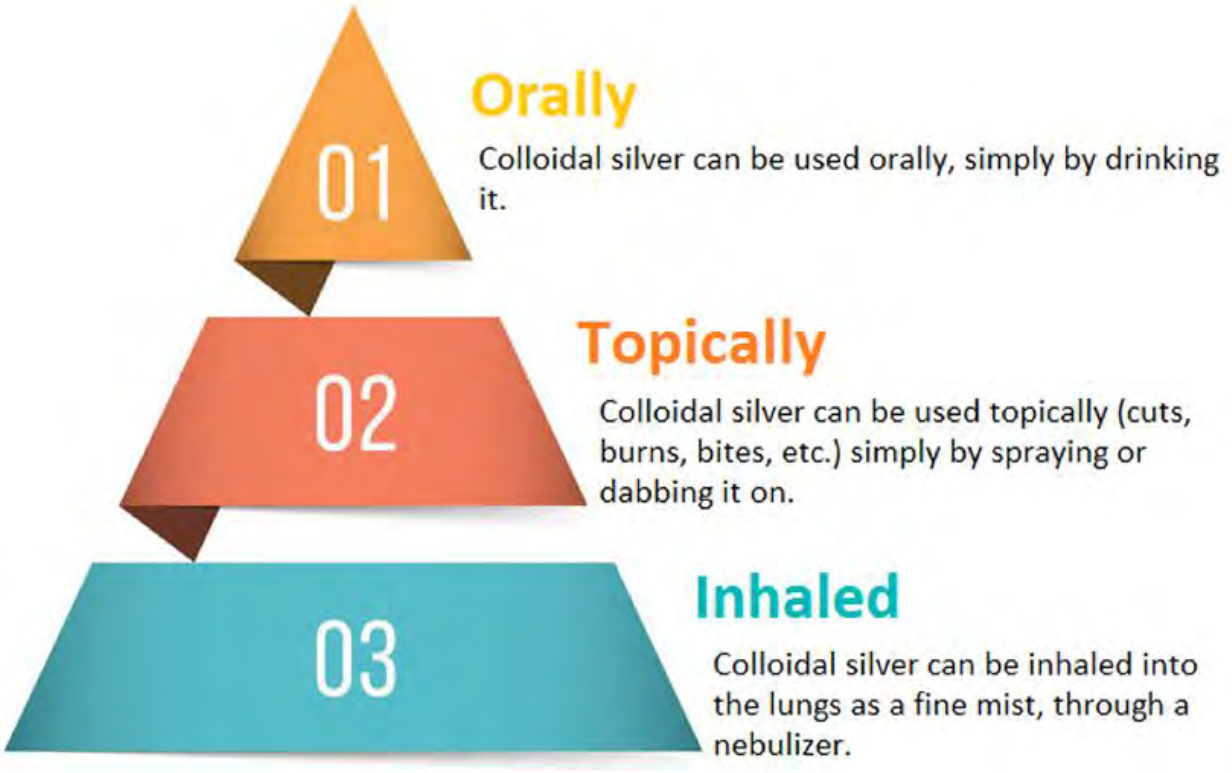
But *always* understand that there are paid mouthpieces out there who claim to have the "public interest" at heart, but who in reality are nothing more than paid shills for special interests like Big Pharma, Big Farma, and other huge multi-national commercial conglomerates…

…and who therefore have a *vested financial interest* in frightening the public into abandoning relatively safe and effective *natural* substances like colloidal silver, and instead, paying through the nose for synthetic chemical concoctions and drugs that are so very often toxic, unsafe and decidedly *unnatural*.

So, the next time you run across an article by a public figure or celebrity of some type denouncing and denigrating the use of colloidal silver, don't just accept the sensationalistic claims at face value.

Do yourself a favor and dig a little bit deeper like I did. You just might discover information that would lead you to believe the public figure is actually a paid propaganda mouthpiece hired because his aura of authority and skills at misdirection are exactly what his financial benefactors want from him.

Chapter 7: The 3 Most Effective Ways to Use Colloidal Silver



Colloidal silver is a liquid nutritional supplement with powerful antimicrobial properties. It's known as the world's most effective all-natural antibiotic.

Best yet, colloidal silver can be used three ways:

1) Orally (for internal infections).

2) Topically (for topical infections, plus burns, cuts, bites, and more).

3) And it can even be inhaled into the lungs as an atomized mist, for colds, flu, pneumonia, and other upper respiratory infections and lung conditions.

Let's take a quick look at all three of these proven methods of administration:

Oral Ingestion of Colloidal Silver

Experienced colloidal silver users most often ingest small amounts of colloidal silver orally each day to help prevent infections and to boost immunity.

As a daily mineral supplement, millions of Americans take anywhere from a tablespoon to an ounce a day of a standard 10 ppm concentration of colloidal silver.

Others use it in higher amounts, but only when they're feeling sick or particularly run down.

When sick with an active infection, such as a cold, flu, or even food poisoning, people have been known to drink as many as four to 12 ounces (or sometimes even more) daily, of a standard 10 ppm concentration.

Such high doses are usually taken for very short periods of time only, such as a day or two, to a week or two, depending upon the situation.

In the stomach, colloidal silver is taken into the bloodstream and then distributed throughout other tissues and organs of the body where infections might be setting in.

Users claim that taking colloidal silver, orally, will generally clear up a mild to moderate infection in only a few days, while more serious infections may take longer.

Some of the different types of infections that people have successfully used oral ingestion of colloidal silver for include:

- **Doctor Uses Colloidal Silver to Beat Common Cold**
- **Using Colloidal Silver for a Vaginal Candida Yeast Infection**
- **Using Colloidal Silver for Mononucleosis (Kissing Disease) and Other Epstein- Barr Virus Infections**
- **Avoid the Flu with Colloidal Silver (And Beat It If You're Already Sick)**
- **Colloidal Silver and Lyme Disease**
- **Colloidal Silver Cured Head and Neck Cancer in a Human**
- **Using Colloidal Silver for Kidney Infections**
- **Colloidal Silver Heals Parasite Infections**
- **Colloidal Silver for Urinary Tract Infections and Bladder Infections**

On **the Articles page** at The Silver Edge website, you can read almost 500 more articles like those above, documenting the powerful infection-fighting qualities of oral use of colloidal silver.

Topical Application of Colloidal Silver

Colloidal silver can also be sprayed topically (or dabbed with a cotton ball) onto cuts, scrapes, burns or other skin conditions, to help speed up healing and prevent infection from setting in.

Here are just a few of the ways colloidal silver can be used, topically:

- **Colloidal Silver Heals Troublesome Skin Conditions FAST!**
- **Colloidal Silver for Burn Relief Beyond Belief**
- **Treating Painful Bug Bites with Colloidal Silver**
- **Colloidal Silver for Fever Blisters and Other Topical Viral Skin Outbreaks**
- **Dandruff: Don't Scratch It, Spray It with Colloidal Silver!**

- **Colloidal Silver Beats Psoriasis**
- **Colloidal Silver Heals Stubborn Open Sore Under Eye**
- **Colloidal Silver Heals One-Year-Old Boy 'Riddled With Eczema'**
- **Colloidal Silver Heals Dermatitis (Eczema) Skin Inflammation**
- **Colloidal Silver Heals Dog's Infectious Skin Condition**
- **Colloidal Silver Heals Warts**
- **Using Colloidal Silver for Hemorrhoids**

What's more, colloidal silver works great for eye infections such as styes and Pink Eye. Many users put several drops of colloidal silver directly into their eyes, to help eradicate budding eye infections within 48 hours.

Many colloidal silver users also use it in a pump spray bottle to help eliminate sore throats. They simply spray colloidal silver into the throat eight or ten times a day. Others simply gargle with it four or five times a day to eradicate sore throats.

One of the most popular topical uses for colloidal silver is to put several drops in the ears at the very first sign of an ear infection. The key is to lie on your side, with your infected ear up. Then put three to five drops of colloidal silver into the infected ear, and allow it to seep down into the ear for seven minutes before draining. Repeat on the other ear, if necessary.

Many colloidal silver users swish colloidal silver around in their mouth as a daily mouthwash in order to help prevent or eliminate teeth and gum infections, while others actually spray it onto their toothpaste before brushing, to achieve the same purpose.

Inhaling Colloidal Silver Mist into the Lungs

And finally, for upper respiratory infections (i.e., bronchitis, pneumonia, asthma, COPD and more) many people use colloidal silver in a standard medical nebulizer.

That allows them to inhale colloidal silver as a fine mist into their lungs, where it kills pathogens, reduces inflammation and helps speed up healing time.

You can read about nebulizing colloidal silver directly into the lungs (including a few important warnings), in the first detailed article below. Plus, there are more articles on nebulizing colloidal silver into the lungs for specific lung conditions:

- **Using Colloidal Silver in a Nebulizer**
- **Colloidal Silver Heals Chronic Lung Infections in Sick Child**
- **Inhalation of Silver Nanoparticles Results in "Miraculous" Protection Against Pneumonia**
- **Nebulizing Colloidal Silver for COPD: Anecdotal Accounts**
- **Colloidal Silver, Allergies, Asthma and Inflammation**
- **Colloidal Silver for Animals with Upper Respiratory Infections**
- **Colloidal Silver and Airborne MRSA Pathogens**
- **Tuberculosis Cases Increase: Colloidal Silver to the Rescue!**
- **Using Colloidal Silver in a CPAP Machine**
- **Using Colloidal Silver in a Cool Mist Vaporizer**
- **Use Colloidal Silver to Deal with Pesky Sinus Problems (Including Sinus Cough)**

As you can see, colloidal silver provides amazing protection against infections and other health issues, and it can be used *orally*, *topically* or even be *nebulized into the lungs*, if needed.

It's quite literally one of the most versatile (and astonishingly effective) of all-natural antibiotics.

Chapter 8: How to Determine a Safe, Daily Nutritional Supplement Dosage of Colloidal Silver

The most frequently asked question I get is "How much colloidal silver can I take safely each day?"

Of course, the answer varies from person to person. It depends upon a number of factors, including body weight, overall health, and even antioxidant levels.

I personally like the Silver Safety Guideline published by the Silver Safety Council, which I discuss below. They have a very conservative method for calculating your maximum daily safe dosage level for a lifetime of colloidal silver usage.

In other words, this is the dosage you'd take, daily, if you want to ingest small amounts of colloidal silver on a regular basis, as a preventive against infection and disease.

This is not the dosage you'd take if you were fighting an active infection or disease. In the forthcoming chapters, you'll learn about larger dosages that can be used for shorter periods of time when fighting an active infection or disease. But we'll start first with the Silver Safety Council's recommendations for regular daily nutritional supplement usage.

Here's what they recommend…

According to the **Silver Safety Council**, the formula for determining your maximum safe dosage level if you plan on using colloidal silver DAILY as a nutritional supplement is as follows:

First, multiply your body weight by 12. And then divide that total by the ppm of the colloidal silver solution you're using.

$$12 \times \frac{\text{____ lbs}}{\text{____ ppm}} = \text{____ drops per day}$$

This will tell you how many DROPS (i.e., from an eye dropper) of colloidal silver you can take each day, safely, for a lifetime, without fear of ending up with argyria (i.e., skin-staining).

For example, if you're 125 pounds, and you're using a 10 ppm colloidal silver suspension, you'd multiply 12 times 125 = 1,500. Then divide 1,500 by 10 (ppm), which is 150.

So, at a bodyweight of 125 pounds, you can safely take 150 drops of colloidal silver per day, for your entire life, according to the Silver Safety Council. That's a little bit over a teaspoonful a day.

Once you've found out how many drops of colloidal silver you can take each day on a nutritional supplement basis, here's **a link to a web page** where you can easily convert drops to the equivalent number of teaspoons, if you need it.

And here's a helpful chart covering 10 ppm colloidal silver dosages for various body weights:

10ppm Nano Silver Usage Guidelines

Weight		Daily				Short Term		Lifetime	
Lbs	Kg	Drops	Tsp	Ounces	Ml	Ounces	Liters	Pints	Liters
80	37	96	2	0.2	5	2	0.1	260	123
100	46	120	2	0.3	6	3	0.1	324	154
120	55	144	2	0.3	8	3	0.1	389	184
140	64	168	3	0.3	9	3	0.1	454	215
160	73	192	3	0.4	10	4	0.1	519	246
180	82	216	3	0.4	11	4	0.2	584	276
200	91	240	4	0.5	12	5	0.2	648	307
220	100	264	4	0.5	14	5	0.2	713	338
240	109	288	4	0.5	15	5	0.2	778	368
260	118	312	5	0.6	16	6	0.2	843	399
280	128	336	5	0.6	17	6	0.2	908	430

Instructions: Select the line that matches or exceeds your body weight. Read across to find 10ppm nano silver dosage suggestions for **Daily**, **Short Term**, (i.e. up to 10 sequential days when dealing with a particular issue), or **Lifetime** use.

This chart is based on formulas from http://silversafety.org that calculate a very conservative 25% of the US Environmental Protection Agency Reference Dose guidelines. Note: Suggested dosages are rounded upwards.

NOTE: This chart has not been evaluated by the FDA. Nothing herein is intended to diagnose, treat, cure, or prevent any disease.

What if you only use 5 ppm colloidal silver? Easy. Here's a chart:

5ppm Nano Silver Usage Guidelines

Weight		Daily				Short Term		Lifetime	
Lbs	Kg	Drops	Tsp	Ounces	Ml	Ounces	Liters	Pints	Liters
80	37	192	3	0.4	10	4	0.1	519	246
100	46	240	4	0.5	12	5	0.2	648	307
120	55	288	4	0.5	15	5	0.2	778	368
140	64	336	5	0.6	17	6	0.2	908	430
160	73	384	6	0.7	20	7	0.2	1037	491
180	82	432	6	0.8	22	8	0.3	1167	552
200	91	480	7	0.9	24	9	0.3	1296	614
220	100	528	7	0.9	27	9	0.3	1426	675
240	109	576	8	1	29	10	0.3	1556	736
260	118	624	9	1.1	32	11	0.4	1685	798
280	128	672	9	1.2	34	12	0.4	1815	859

Instructions: Select the line that matches or exceeds your body weight. Read across to find 5ppm nano silver dosage suggestions for **Daily** use, **Short Term** use (i.e. up to 10 sequential days when dealing with a particular issue), or **Lifetime** use.

This chart is based on formulas from http://silversafety.org that calculate a very conservative 25% of the US Environmental Protection Agency Reference Dose guidelines. Note: Suggested dosages are rounded upwards.

NOTE: This chart has not been evaluated by the FDA. Nothing herein is intended to diagnose, treat, cure, or prevent any disease.

My Personal Daily Dosage

Obviously, people have taken more colloidal silver than that, daily, for years on end – and have done so without incurring any harm.

For example, I'm tall and nearly 240 pounds. So, my daily dosage should be about four teaspoons full, based upon the Silver Safety Council's conservative calculation. But I take about an ounce of colloidal silver daily, and I've done so for nearly 26 years as part of my ongoing nutritional supplement regimen.

However, I also take regular "colloidal silver holidays" during which I purposely abstain from colloidal silver usage for a week or two – sometimes even for a month or two.

And regardless of whether or not I'm taking colloidal silver, I always drink plenty of fresh, pure water each day to help flush any excess silver from my system.

What's more, I always take a daily multivitamin/mineral supplement that includes 400 IU of Vitamin E, 200 mcg of selenium, and about 500 mg of NAC (N-acetyl cysteine).

Why? Because cutting edge medical practitioners like Dr. Jonathan V. Wright, M.D. say these particular antioxidant supplements are necessary to help process silver out of the body effectively.

As Dr. Wright has written previously:

> *"Silver belongs to the family of metals that also includes copper and gold (both of which can also have numerous health benefits when they're used properly).*
>
> *One of the primary concerns people tend to have about using these metals is the risk that they'll accumulate in the body and lead to heavy metal toxicity.*
>
> *But if you have plenty of antioxidants in your diet, such as selenium, vitamin E, and amino acids like N-acetyl cysteine, you're safe from any harmful effects from this family of metals. Germs, however, are not."*
>
> **— Dr. Jonathan V. Wright, M.D.**

Naturally, Dr. Wright is not saying you can take all of the colloidal silver you want, as long as you have plenty of antioxidants in your diet.

He's simply saying the body requires antioxidants in order to process silver effectively. And if you're low on antioxidants, you're at greater risk of silver accumulation, even at *normal* daily dosage levels.

The bottom line is that I take great pains to make sure my regular colloidal silver usage – though slightly above average for my body weight – does not become *abusive*.

Just Trying to Make a Point

So please understand: I'm not trying to dictate how much colloidal silver anyone can use. It's *not* my business. Some people tell me they're taking anywhere from four ounces, to six ounces, to eight ounces, or even 16 ounces of colloidal silver a day. If you want to abuse your body and take big risks by ingesting astronomically larger than recommended dosages like that, that's up to you.

Just be sure you're willing to take *personal responsibility* for it. Once you end up with argyria – the blue-gray skin-staining that typifies long-term excessive usage of colloidal silver – you can't switch gears and start blaming others for it.

So, what I <u>am</u> trying to do is this: Make the point that when people say they're taking 4 ounces, or 6 ounces, or 8 ounces or in some cases even 16 ounces of colloidal silver per day…

…and they've been doing this for months on end when a responsible daily dosage would be closer to somewhere between a teaspoonful and an ounce a day…

…then it's clear to me they're operating WAY outside of the bounds of safety (and sanity) in terms of the very real risk of ending up with argyria.

Those kinds of overly-high dosage levels – which are 400%, 600%, 800% and even higher than normal recommended levels – are not just excessive. They're downright *abusive*, particularly when taken regularly, over long periods of time.

Another Colloidal Silver Blue Man

I spent nearly a half-hour on the phone today with an elderly colloidal silver user whose face and neck are now colored, in his own words, "pastel blue."

It was heart-breaking. He says children snicker at him in the stores. People stare at him in wonderment everywhere he goes and point fingers at him.

And nurses have actually stopped him on the street and asked if they can call him an ambulance, thinking he's suffering from cardiac hypoxia – i.e., lack of oxygen to the body when the heart isn't pumping strongly enough, which can cause the face to turn blue.

How did he end up in that condition? Well, his heart is just fine. But he drank a quart of colloidal silver a day, he told me, for two years straight.

And why? Because someone told him you can drink all of the colloidal silver you want and it can't hurt you.

Listen to me, please. Argyria from excessive, daily long-term colloidal silver usage is very real. It's *not* a joking matter. And it will change your life forever, and most definitely *not* for the better.

What's more, it doesn't matter what kind of colloidal silver you're taking. Don't let *anyone* ever tell you they have a special kind of colloidal silver that "can't cause argyria." It's a crock.

There's simply no such thing as a form of colloidal silver that can't cause argyria if used at excessive levels for long periods of time.

The key to successful colloidal silver usage – regardless of which kind you use – is the *responsible* use of the substance.

Safe, Sane and Responsible Usage

I've been a very vocal advocate for the *safe*, *sane* and *responsible* usage of colloidal silver for nearly 26 years now, ever since **colloidal silver saved my wife's toes** from amputation after she came down with a nasty bone infection called osteomyelitis.

Colloidal silver has also been a very successful mainstay in my **daily nutritional supplement regimen for chronic fatigue syndrome** – a condition I had previously suffered horrifically from.

What's more, I've seen colloidal silver used as a nutritional adjunct to help the body heal literally *hundreds* of incidences of infection and disease over the past 26 years, like those you'll find at the **Colloidal Silver Success Stories** website.

But over these past 26 years, I've also seen a handful of cases of argyria – sometimes in people who drank as little as four or five ounces of colloidal silver a day, for only a few short years in a row.

Listen, there's ZERO need to take such excessive daily amounts of colloidal silver for months and years on end. A few days here and there, when really needed, perhaps.

But if you have a health condition and you're taking huge amounts of colloidal silver as a nutritional adjunct for it, and you're doing so for months and years on end, and it *hasn't* helped your body heal itself of that condition…guess what? It *ISN'T* going to!

You're taking the silver for NOTHING. And you're putting yourself at big risk for argyria. And if you'll just be honest with yourself, you'll see that you really need re-evaluate your obsessive desire to take so much of this otherwise very beneficial substance.

I'm Staggered

I don't know what else I can say.

I'm absolutely staggered by some of the things I've seen posted on the internet lately from people taking huge amounts of colloidal silver on a daily basis for months or even years on end, and worse yet, *urging other people to do the same*.

When I gently chastised one of these abusive users of colloidal silver, recently, I was brusquely informed by him, "*I've done my research. I know what I'm doing. I'm convinced taking this much colloidal silver is safe for me*."

Well, so be it. As Forest Gump says, "Stupid is as stupid does."

In another instance, a man who was clearly in the beginning stages of argyria on his face and neck was confronted by a friend of mine and handed a copy of the **Colloidal Silver Safe Dosage Report**. The man threw the report down and said, "*I've read that. It's crap. I know what I'm doing*."

Well, *I* know what he's doing, too. He's turning himself blue from taking huge daily dosages of colloidal silver.

Very Real Dangers

As a long-time vocal advocate of *responsible* colloidal silver usage, I've written emphatically about the dangers of excessive colloidal silver usage **over** and **over** and **over** again.

And I've even posted the well-known clinical study on argyria, titled *"Exposure-Related Health Effects of Silver and Silver Compounds: A Review,"* **here**.

I've also repeatedly tried to make the point that if you started taking two vitamin tablets a day, and they helped you feel better, you're not going to increase your dosage to *half a bottle* of vitamin tablets a day, right?

I think just about everyone would agree it would be crazy to take such an excessive amount of vitamins. So why in the world would you take 100 or 200 times the normal amount of colloidal silver each day?

That's NOT safe, NOT sane, and NOT responsible. It's *obsessive*.

So, if you're one of those people who are taking such large daily amounts of colloidal silver, and intend to keep on doing so, *please* reconsider. That's all I can ask of you.

Chapter 9: How Much Colloidal Silver to Take for the Flu

The flu has been with us for thousands of years. And quite frankly, it's here to stay until the end of time.

In the U.S. alone, some 36,000 to 60,000 people per year die from the effects of the flu.

The vast majority of these deaths are among elderly folks who have other health and medical issues that have worn down their immunity, and the very young who have not yet developed a stable immune system.

With that in mind, directly below I'll explain how experienced colloidal silver users establish a daily "flu season" dosage for themselves and their family members. Here's the straight scoop…

Experts generally agree that the first step in establishing a colloidal dosage for the flu is to first find your daily nutritional supplement *baseline* dosage. That means the dosage you can safely take every single day for the rest of your life with no chance of ending up with argyria (i.e., silver deposits in the body).

To determine your baseline dosage, simply read the previous chapter (chapter 6) of this report, and follow through on the very simple calculation outlined there.

Then, after you've established your daily nutritional supplement baseline daily dosage, you simply multiply it by four or five times when using colloidal silver to help your body fight off an active infection.

Once you've found out how many drops of colloidal silver you can take each day on a nutritional supplement basis, here's **a link to a web page** where you can easily convert drops to the equivalent number of teaspoons, if you need it.

Once Your Daily Baseline Dosage is Calculated…

Once your daily baseline nutritional supplement dosage has been calculated, then, during times of infection, such as a cold or flu, many experienced colloidal silver users will increase their dosage to as much as *four or five times* their daily nutritional supplement baseline dosage.

So, for example, if you're a 125 pound person who would normally take a teaspoon and a half full of colloidal silver per day for nutritional supplement purposes, you might increase that to a teaspoon and a half four or even five times a day, for up to a week or ten days, if necessary, when battling an active case of flu.

That's just a general rule-of-thumb. I'm not "prescribing" it for anyone. I'm just reporting on what thousands of other colloidal silver users have told me they do as I've conducted research for my book, ***The Ultimate Colloidal Silver Manual***, which is the world's best-selling book on colloidal silver and its usage.

Taking a "Vacation" Away from Colloidal Silver Usage, Afterwards

As I've mentioned in Chapter 1, whenever I've been sick with an unexpected or stubborn infection, and I've chosen to taken larger-than-normal amounts of colloidal silver, afterwards I always try to take a short "vacation" away from colloidal silver consumption for a few days to a week or more.

And during the course of that "vacation" away from colloidal silver usage, I always start drinking lots of fresh, pure water in order to help flush any excess or accumulated silver particles out of my body through the liver, kidneys and sweat glands.

I also start taking specific supplements known to help the liver and kidneys clear any excess silver particles and prevent oxidative stress inside the body (such as Vitamin E at 400 IU, N-acetyl-cysteine at 500 mg. and maybe some selenium at 200 mg., as suggested by Dr. Jonathan V. Wright, M.D. in his articles on colloidal silver usage).

Finally, in case the high doses of colloidal silver I've been taking have killed off any of the beneficial digestive microbes in my intestinal tract, I also start taking a good probiotic supplement with a full "grid" of active cultures of beneficial digestive microbes (such as Dr. Langer's Ultimate 16 Strain Probiotic supplement, or NOW brands GR8dophilus with eight probiotic strains), in order to help my body re-establish its internal micro-flora.

Or, sometimes I'll just start eating a good, high-quality yogurt or kefir product that contains large numbers of active beneficial bacterial cultures. And I might do this daily for several weeks.

Only after doing those three things, usually for a good week to 10 days after ceasing to

take the larger colloidal silver dosages, do I return to my normal daily adult baseline nutritional supplement dosage of colloidal silver.

Beating the Flu: Additional Resources

Here are some short but insightful articles you might want to read through in order to see how others have used colloidal silver in order to avoid getting the flu, or, to dramatically shorten the intensity and duration if they already have the flu:

- **Colloidal Silver: Your #1 Best Antidote to Winter Flu Season**
- **Beating the Winter Cold and Flu Season With Colloidal Silver**
- **Colloidal Silver versus Cold and Flu Viruses**
- **Colloidal Silver and the Flu Epidemic**
- **If Colloidal Silver Is Not Helping Your Flu Symptoms**

These articles are important, because they give *specific examples from experienced colloidal silver users* who explain how they used colloidal silver in order to either avoid catching the flu altogether, or to beat it in short time once they've caught it.

A few additional related articles you might want to glance through are these:

- **Colloidal Silver and Colds: A Safe, Simple and FAST Way to Stop Colds Before They Get Started!**
- **Using Colloidal Silver in a Nebulizer for Upper Respiratory Infections**
- **Colloidal Silver and Strep Throat**

Chapter 10: Rule-of-Thumb Dosage Guidelines for Varying Conditions Based on Experiential Accounts

When it comes to oral colloidal silver consumption and trying to figure out the proper dosages for different situations you might encounter, it's pretty much the Wild West out there in internet land.

You'll find crazy people claiming you can "drink all of the colloidal silver you want every single day and it can't harm you."

And you'll find cautious people claiming you should never use colloidal silver on a regular daily basis, but only when you have an active infection you want to help the body resolve.

Finally, you'll find people on the far end of the fear spectrum claiming you should never consume colloidal silver orally at all, but only use it topically as an antiseptic for cuts, scratches, burns and more.

And virtually everybody disagrees with everybody else on how to determine an effective dosage for varying conditions or situations. So in this short article I'm going to attempt to provide a brief overview of the basic "rule-of-thumb" guidelines for oral colloidal silver consumption under four different circumstances.

Admittedly, it's just a rough sketch. And admittedly, I'm not a doctor. So please don't take this article as being "prescriptive" in nature. It's just my journalistic account of what's seemed to work best for the thousands of experienced colloidal silver users I've interviewed over the course of the past 22 years.

Also, it's important to note that this article is not nearly as extensive as the dosage information provided in my book, ***The Ultimate Colloidal Silver Manual***, which has been the #1 best-selling book on colloidal silver usage for the past 15 years. But I think you'll get a good rule-of-thumb idea of what experienced colloidal silver users are doing for the basic situations colloidal silver is being used for.

Here's what you need to know…

There are basically four different types of dosing situations when using colloidal silver. They are:

1.) Daily nutritional supplement dosage

2.) Dosage for stubborn, long-term, underlying "stealth pathogen" infections

3.) Dosage for sudden onset infections, such as food poisoning.

4.) Dosage for other infections such as colds, flu, bronchitis, pneumonia, etc.

We'll talk about all four below. But first, what does the FDA have to say about colloidal silver dosages for fighting active infections?

The FDA on Colloidal Silver Dosages

Before the FDA intervened, most of the big bottled colloidal silver manufacturers stated right on their labels that a normal daily adult nutritional supplement dosage of colloidal silver is about one teaspoon to one tablespoon per day, depending upon body weight.

Most labels also stated that up to four or five times that amount, or more, can be taken during the course of a day when using colloidal silver to help the body fight an active infection such as a cold, flu, tummy bug, or other minor infection.

You'll no longer find that information for fighting infections on most labels of commercially bottled colloidal silver. Why?

Because the FDA claims such information turns colloidal silver into an "unapproved drug." They've come down hard on colloidal silver manufacturers in recent years for mentioning colloidal silver's infection-fighting uses.

That's kind of odd, because the same FDA that claims you can only sell colloidal silver commercially as a nutritional supplement, also claims (erroneously, in my opinion) that colloidal silver has no demonstrable nutritional benefit to the human body whatsoever.

In other words, the FDA won't let manufacturers sell colloidal silver as an infection-fighting agent. They only allow it to be sold as a nutritional supplement. Yet they claim that it has no nutritional value.

Go figure. The Bible says "*A double-minded man is unstable in all his ways*." And I think the FDA pretty much qualifies as being double-minded over the colloidal silver dosage and usage issue.

My point being, this is why bottled colloidal silver manufacturers today simply print on their labels the much lower daily nutritional supplement dosage – one teaspoon to one tablespoon per day – and leave off the significantly higher oral dosages for helping the body fight off common infections.

Thanks to the FDA, colloidal silver manufacturers legally cannot provide information on higher dosages for fighting active infections.

And that's okay. The bottom line is that with high-quality colloidal silver, less can certainly be more. Under normal circumstances, it doesn't take huge doses of colloidal silver to impart its healing benefits to the human body.

Moving Past Daily Nutritional Supplement Dosages

As mentioned earlier, in addition to the relatively low daily nutritional supplement dosage for colloidal silver, there are varying types of infections colloidal silver has been proven to be helpful with in experiential accounts, such as:

- ✓ Underlying, long-term "stealth pathogen" infections that might be triggering chronic degenerative diseases such as Lyme disease, Chronic Candidiasis, Chronic Fatigue Immune Deficiency Syndrome (CFIDS), Multiple Sclerosis, Lupus, Rheumatoid arthritis and many other stubborn conditions which conventional medical science claims either have no known cause, or are caused by an auto-immune response in the body, but cutting edge researchers believe to be caused by hidden infections.
- ✓ Sudden onset infections such as a nasty case of food poisoning.
- ✓ Other infections such as colds, flu, bronchitis, pneumonia, etc.

These additional types of infections might require completely different dosage amounts than the standard nutritional supplement dosage mentioned above. But since the FDA won't allow colloidal silver manufacturers to print dosages for various types of infections on the labels of their bottled colloidal silver products, people have had to experiment on their own with dosages.

So what are experienced colloidal silver users doing, in terms of dosage, when they use colloidal silver to help their bodies overcome underlying, long-term infections, sudden onset infections, or other types of infections?

I've interviewed thousands of experienced colloidal silver users over the course of the past 22 years, for my book, ***The Ultimate Colloidal Silver Manual***, as well as for my DVDs and other publications. And this is what I've learned…

"Four Up and Four Down" Pyramid Dosage Method for Helping Stop Long-Term Underlying Infections

Many experienced colloidal silver users, when wanting to use colloidal silver to fight an underlying long-term infection caused by what cutting edge researchers are calling "stealth pathogens" – i.e., for example, the Lyme spirochete, the mycoplasmas pathogen, the Epstein Barr virus or Cytomegalovirus, systemic Candida yeast infections and more – use what's called the "four up, four down, pyramid method" which is also called the "incremental dosage" method.

That's where the individual suffering from a long-term underlying infection starts with a relatively small amount of colloidal silver, say, for example, one ounce per day of 10 ppm colloidal silver and takes it once a day for several days. Then he or she might go to two ounces per day for several days. Then to three ounces per day for several days. Then to four ounces per day for several days.

After those four steps, the individual then goes back down the other side of the pyramid, i.e., three ounces per day for several days, then two ounces per day for several days, then one ounce per day for several days.

Then the individual either stops taking colloidal silver altogether if the results were satisfactory, or many people simply resume their normal daily nutritional supplement dosage regimen of colloidal silver if they're already on one.

Again, a normal daily colloidal silver nutritional supplement dosage for most adults is widely considered to be about one teaspoonful of colloidal silver per day to one tablespoonful per day, depending upon body weight.

"Depending upon body weight" simply means bigger people take a little bit more, and smaller people take proportionately less. So while a 200 pound man might take a tablespoonful of colloidal silver a day (or perhaps a bit more), a 120 pound woman might take a teaspoonful of colloidal silver, or so, per day.

(To learn how to calculate your safe, daily, nutritional supplement dosage of colloidal silver, based on your body weight and the ppm of the colloidal silver product you're taking, refer back to Chapter 6.)

Now, please understand: I'm not a doctor. So I'm not "prescribing" the incremental dosage method described above. I'm only a natural health journalist. And I'm just reporting what hundreds of experienced colloidal silver users have told me they've done, quite successfully, to aid their body in defeating (or at least subduing and getting under control) stubborn or long-term underlying infections which, in many cases, had triggered chronic degenerative diseases.

And yes, I've used this incremental dosage method myself, quite successfully, nearly 26 years ago when I was first diagnosed with Chronic Fatigue Immune Deficiency Syndrome triggered by underlying long-term infections with Epstein Barr virus and Cytomegalovirus.

But many colloidal silver users have told me the same method has worked, as well, for conditions such as Lyme disease, Multiple Sclerosis, Lupus, Rheumatoid arthritis and many other conditions that can be caused or triggered by a wide variety of underlying "stealth pathogen" infections.

And in many cases, the results from using the "incremental dosage method" (aka "four up, four down, pyramid dosage method") have been life-changing. You can read about hundreds and hundreds of such results on the Colloidal Silver Testimonials page of The Silver Edge website.

For example, I recently heard from an individual who had been diagnosed with leukemia, who stated that he'd tried the incremental dosage method (i.e., the "four up, four down, pyramid method described above), and suddenly had a "spontaneous remission" that astonished his cancer specialist!

I should point out here that there are always going to be cases where a bit more, or a bit less, colloidal silver than described above might be needed when using the incremental dosage method. And there might be instances in which the incremental dosage method might need to be repeated if the underlying infection is particularly stubborn. In other words, the individual might decide to "run through the pyramid," so to speak, a second time in order to put the final kibosh on an underlying long-term "stealth pathogen" infection.

But that's the general "rule-of-thumb" most people have touted as being effective for these kinds of hidden, underlying, long-term "stealth pathogen" infections that many cutting edge researchers say act as triggers to a variety of chronic degenerative diseases.

Dosage Method for Helping Stop Sudden Onset Infections

It's important to understand that the above incremental dosage method (i.e., "four up, four down, pyramid dosage method") is quite different than, say, using higher dosages of colloidal silver to stop a sudden onset infection, like, for example, an unexpected case of food poisoning.

It probably goes without saying that most people want an infection like food poisoning, which might strike suddenly and completely out-of-the-blue, to be over with as quickly as possible.

So they might, for example, at the first sign of food poisoning symptoms – i.e., projectile vomiting, explosive diarrhea, etc. – take three or four ounces of 10 ppm colloidal silver at once. And then they might take a couple of ounces every hour throughout the remainder of the day, until the food poisoning symptoms subside.

And then they generally quit taking the higher dosages of colloidal silver altogether as soon as they're clearly on the mend.

So the difference is that long-term underlying "stealth infections" that can trigger chronic degenerative diseases are often dealt with using the incremental dosage method (aka the "four up, four down, pyramid dosage method" described above) because they're stubborn, underlying infections and thus often require more time to effectively get under control using colloidal silver. In many cases these hidden infections might have been active in the body for years, or even for decades, and are thus well-established and "fortified," if I can use the term.

But most experienced colloidal silver users I've interviewed over the years tell me they've dealt with "sudden onset infections" such as a nasty case of food poisoning or other sudden infection, by using a more abrupt and immediate "carpet bombing" approach, as described above, i.e., taking four or five ounces of 10 ppm strength colloidal silver at the onset of infection, and the following up with an ounce or two every hour until the infections has stopped.

This heavy colloidal silver usage should not go on for days, of course. This is for infections that can be knocked out in a day or so. If the infection persists in spite of the colloidal silver usage, then the solution is simple this: Go to the doctor.

Dosage Method for Helping Stop Other Infections

There are many other kinds of infections, of course.

For example, colds, flu, bronchitis, pneumonia and other upper respiratory infections are often dealt with by experienced colloidal silver users by taking three or four ounces of colloidal silver per day, orally, in divided doses throughout the day (i.e., one ounce, morning, noon, evening and before bed).

If the upper respiratory infection is particularly stubborn, they might also try inhaling aerosolized colloidal silver into the lungs through a medical nebulizer for six or eight minutes at a time, three or four times a day. You can read more about nebulizing colloidal silver for upper respiratory infections, in chapter 10.

MRSA infections are another type of infection that experienced colloidal silver users have had phenomenal success with. MRSA generally starts out on the skin as a staph infection that doesn't respond to common antibiotic drugs and causes painful boils or even open sores and lesions. It then tries to go bloodborne, at which point it can actually become deadly.

People with MRSA infections have reported phenomenal success simply by soaking gauze bandages in colloidal silver and applying the bandages to the affected area of the skin. To help prevent serious problems in case the skin infection tries to go bloodborne, they might also drink three or four ounces a day of 10 ppm colloidal silver in divided doses throughout the day, for up to a week or 10 days. You can read more about using colloidal silver for stubborn MRSA infections, **here**.

There are many, many other kinds of infections that colloidal silver has been demonstrated in experiential accounts to be effective against. And again, you can read about hundreds of these reported cases on the **Colloidal Silver Testimonials** page of The Silver Edge website.

Or, consider scrolling through the nearly 500 article topics about colloidal silver and its usage on the **Articles page** of The Silver Edge website and read about the vast plethora of conditions colloidal silver has successfully been used for by experienced colloidal silver users.

Or consider obtaining a copy of the ***Ultimate Colloidal Silver Manual***, which, at over 547-pages, is the most comprehensive book on colloidal silver and its many uses ever published. It's virtually encyclopedic in scope. And there are two in-depth chapters on specific dosage amounts that have been used by experienced colloidal silver users for dozens of specific diseases – over 25 pages of specific dosage information including dosages for germ warfare and biological terrorism agents!

Helping the Body Clean Up, Afterwards

I'm a large man. I weight about 240 pounds, so I generally take between a tablespoonful to an ounce of colloidal silver per day, as a nutritional supplement dosage. I've done so for about 26 years now. (As I mentioned earlier, smaller people would take proportionately less if using colloidal silver on a daily nutritional supplement basis.)

But when I've been sick with an unexpected or stubborn infection, and I've chosen to taken larger-than-normal amounts of colloidal silver for some reason, afterwards I always try to take a short "vacation" away from colloidal silver consumption for a few days to a week or more.

And during the course of that "vacation" away from colloidal silver usage, I always start drinking lots of fresh, pure water in order to help flush any excess or accumulated silver particles out of my body through the liver, kidneys and sweat glands.

I also start taking specific supplements known to help the liver and kidneys clear any excess silver particles and prevent oxidative stress inside the body (such as Vitamin E at 400 IU, N-acetyl-cysteine at 500 mg. and maybe some selenium at 200 mg., as suggested by Dr. Jonathan V. Wright, M.D. in his articles on colloidal silver usage).

Finally, I also start taking a good probiotic supplement with a full "grid" of active cultures of beneficial digestive microbes (such as Dr. Langer's 16-strain probiotic supplement), in order to help my body re-establish any colonies of beneficial microbes that might have been affected by the higher dosages of colloidal silver. Or, each day I'll start eating a good, high-quality yogurt or kefir product that contains large numbers of active cultures.

Only after doing those three things, usually for a good week to 10 days or more after ceasing to take the larger colloidal silver dosages, do I return to my normal daily adult nutritional supplement dosage of colloidal silver.

The Gist of It

So that's that gist of it.

- ✓ You've got the daily nutritional supplement dosage, which for most adults is considered to be anywhere from a teaspoonful to a tablespoonful per day, depending upon body weight (get a copy of the Colloidal Silver Safe Dosage Report here to learn how to calculate your own daily safe dosage based on your body weight and the ppm of the colloidal silver product you're using.)

- ✓ You've got the "incremental dosage method" (aka the "four up, four down, pyramid dosage method") for deep-seated, stubborn, long-term infections, which I've explained above.
- ✓ You've got the "sudden onset dosage method," also described above, for infections that strike suddenly, like food poisoning.
- ✓ And finally you've got the general dosage guidelines for other types of infections, such as colds, flu, bronchitis, pneumonia, etc.

Again, all of the dosage ideas mentioned in this article are just general guidelines, based upon the experiences of thousands of colloidal silver users I've interviewed over the course of the past 22 years.

And once more, let me repeat, I'm not a doctor, so please don't take these ideas as being "prescriptive" in nature. For serious situations in which you choose to use colloidal silver, you should always do so in conjunction with the supervision and guidance of an experienced natural health doctor (i.e., a naturopath) who can help monitor your condition and adjust your dosages appropriately.

Chapter 11: Giving Colloidal Silver to Young Children: Why It's Important to Use Caution

I'm frequently asked what the safe and appropriate oral dosages of colloidal silver are, for children.

To be perfectly truthful with you, no one has done any clinical studies to determine what might be safe or appropriate oral dosages of colloidal silver for children.

The big colloidal silver manufacturers used to print the following dosage information on their labels:

- **For adults,** one teaspoon per day as a nutritional supplement. If fighting an active infection, up to four to seven teaspoons per day, for up to a week.
- **For kids 12 years old and up,** one-half teaspoon per day as a nutritional supplement. If fighting an active infection, one-half teaspoon up to three or four times a day, for up to a week.

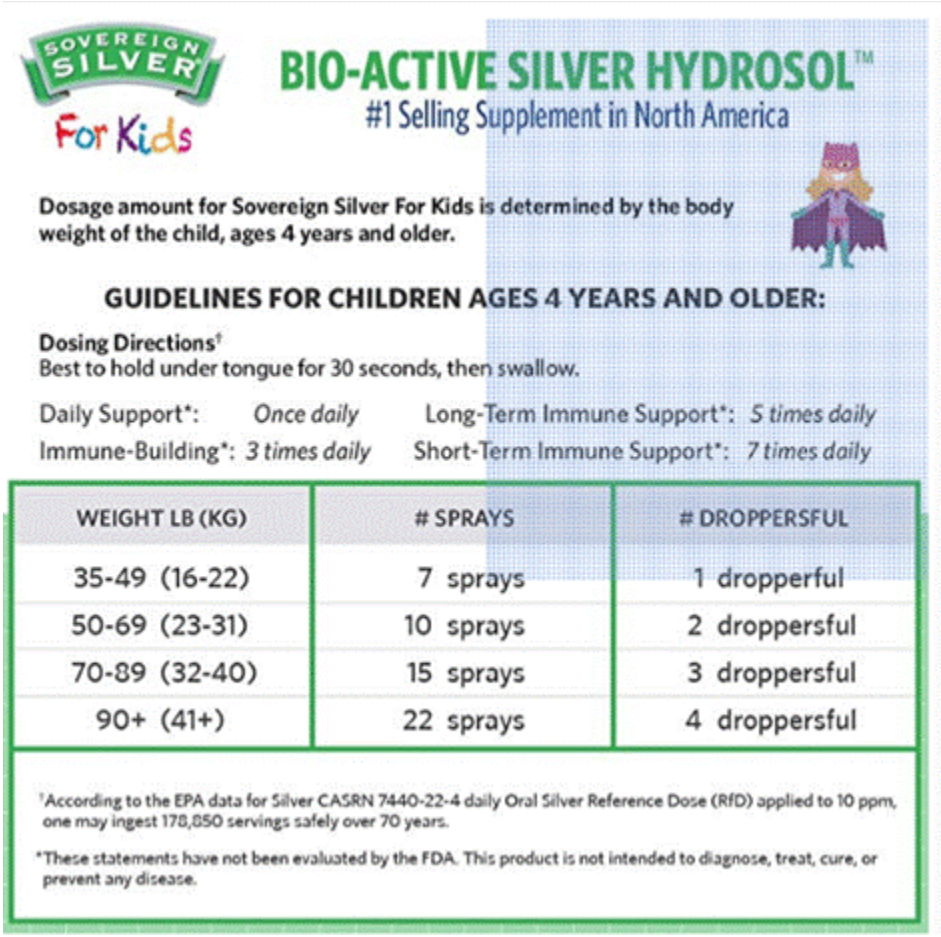
- **For kids younger than age 12,** one-quarter teaspoon per day as a nutritional supplement. If fighting an active infection, one-quarter teaspoon up to three or four times a day, for up to a week.

But now, most of the big colloidal silver manufacturers have removed that information on children's dosages from their labels, because of the very important fact that there's *zero* clinical research to determine what dosages are really safe for children, and what are not.

Still in Development

This is further confounded by the fact that children's bodies are still in development, so they're quite different from an adult body.

Functions that are fully formed in an adult – such as the mechanism for transporting, assimilating and afterwards excreting silver – might not be fully formed and fully functional in children. We just don't know, because it hasn't been studied.



SOVEREIGN SILVER For Kids

BIO-ACTIVE SILVER HYDROSOL™
#1 Selling Supplement in North America

Dosage amount for Sovereign Silver For Kids is determined by the body weight of the child, ages 4 years and older.

GUIDELINES FOR CHILDREN AGES 4 YEARS AND OLDER:

Dosing Directions†
Best to hold under tongue for 30 seconds, then swallow.

Daily Support*: *Once daily* Long-Term Immune Support*: *5 times daily*
Immune-Building*: *3 times daily* Short-Term Immune Support*: *7 times daily*

WEIGHT LB (KG)	# SPRAYS	# DROPPERSFUL
35-49 (16-22)	7 sprays	1 dropperful
50-69 (23-31)	10 sprays	2 droppersful
70-89 (32-40)	15 sprays	3 droppersful
90+ (41+)	22 sprays	4 droppersful

†According to the EPA data for Silver CASRN 7440-22-4 daily Oral Silver Reference Dose (RfD) applied to 10 ppm, one may ingest 178,050 servings safely over 70 years.

*These statements have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure, or prevent any disease.

Sovereign Silver, one of the top brands of colloidal silver in the world, used to give the following guidelines for children's dosages on their website.

Another issue is that many people want to give colloidal silver to their babies, when they're sick. But there's no way to know if a baby has a silver allergy. Silver allergies are *extremely* rare – some estimate only one out of every 10 million people have such an allergy. But should a very young child have one, and be given colloidal silver, it could be quite uncomfortable, i.e., itching, mild skin rash, possibly hives, etc.

For all of these reasons, and more, I generally recommend parents NOT give their young children colloidal silver, except under the guidance and direction of a good, licensed, holistic-oriented practitioner who's experienced in such matters, and who can monitor the child, make dosage adjustments as needed, and decide when to discontinue the usage.

I'll discuss some additional very important cautions in just a moment. So please bear with me. You don't want to miss the cautions.

But first, recognizing that parents have been giving their young children colloidal silver for decades, in small amounts, during times of illness, let's take a look at what some parents say about their method for doing so, their reasons for doing so, and their results:

What Some Parents Do

I recently received the following testimonial from a parent of a six children who's an herbalist studying to be a naturopath. She wrote:

- ✓ **Used Only When Ill, and Dosed According to Body Weight –** "I'm an herbalist and currently working towards my B.S in Alternative Medicine. I'm quite comfortable using colloidal silver for my 6 children, including my youngest who is 4 1/2 months. I dose the colloidal silver accurately, based on the ppm and the child's body weight, and only use it 3 times a day for a few days at most on the rare occasion they're ill."

That's wise. Very low amounts of colloidal silver, tailored to the child's body weight, because a child's body is very small compared to an adult's body. And it's only used for *a short duration*, instead of regularly, because no one really knows the potential long-term consequences of giving a child – especially a very young child – colloidal silver on an ongoing basis.

Another parent wrote to say:

- ✓ **Stubborn Cough Caused by Mold in Home –** "My son was 6 years old and developed a cough that would not go away. After 4 visits to the doctor and a trip to the emergency room due to an inner ear infection he was diagnosed as becoming asthmatic and was sent home with a puffer.

  I started doing research. Mold causes asthma… I discovered the water filtration

system I installed under my sink in my kitchen was leaking and lo and behold there was black mold.

After extensive research I ordered 15 parts per million colloidal silver nasal spray off of Amazon, and when we got it I give it to him four times a day spaced out throughout the day, and I swear to the Lord above at knocked it completely out of him within 2 days and he has not been sick since. So obviously a 6 year old can you use colloidal silver nasal spray.

I also used to buy 40 part per million bottles of colloidal silver. I would put a shot glass worth in a glass of water and have them drink it daily for a week and lay off of it for a month then do it again. None of us have had any adverse effects nor have we turned blue from argyria. LOL"

Another parent wrote as follows:

- ✓ **Breathing Problems –** "Colloidal silver saved my 3 month old grandson. He had breathing problems. They even bought a machine to help with his breathing. Then someone gave my daughter some colloidal silver to try on my grandson. They gave him 1 teaspoonful, 3 times a day for around a month, then reduced it to 2 times, a day and then to once a day.

  After the first week they never had to use the nebulizer again. They had just purchased one because he was on it so much. I can get more exact details from my daughter's if needed. He is 18 now, healthy as ox, plays football, basketball and the picture of health. Thanks to whoever gave my daughter the colloidal silver. We use it for everything."

Here's another testimonial I was sent, about giving children colloidal silver when they're unusually sick with something like food poisoning:

- ✓ **Nasty Tummy Bug Infection –** "Colloidal silver helped my family of 13 get through a nasty tummy bug infection. My older daughter got it first and was sick for 24 hours straight, throwing up every 30 min and was in a ton of pain.

  So I started everyone on the SILVER, figuring it was food poisoning or something. Adults got 1 tsp 7x a day. Kids got 1tsp 5x a day.

  The next kid was sick for maybe only 8 hours. The next one threw up only once and was better within 4 hours. Everyone else was built up on the silver by this time and got maybe sore joints but no more throwing up.

  So 9 kids in all, but only the oldest who hadn't received the colloidal silver before getting sick took it hard.

  I swear by this stuff. It kills bugs if taken right away…it attaches to the germ virus and destroys them…Love it, I take one tsp a day for maintenance now! HOPE THAT HELPS."

One more testimonial, this one from a grandmother who gives her grandkids colloidal silver, from time-to-time:

- ✓ **Reducing Frequency of Illness –** "My grandchildren are 8, 6 and 4 and I give them a quarter teaspoon when they are sick two to three times a day. In my personal experience it has helped them quite a bit…In fact they are sick far less often which I attribute in part to the silver."

As you can see, parents and grandparents alike have given their children (or grandchildren) small amounts of colloidal silver for a variety of reasons, and often with very favorable results.

We'll take a look at some *more* testimonials from parents and grandparents shortly. But first, let's take a quick look at this published account of an 11-year old child with the lung disease, Cystic Fibrosis, whose parents began giving him small amounts of colloidal silver:

Medical Account: An 11-Year Old Child with Cystic Fibrosis

There's very little *clinical* information about the use of colloidal silver for children.

But there is *one* case I've **written about previously**, which is quite intriguing. In that case, an 11-year old boy had been battling Cystic Fibrosis – a serious lung disease – since he was two years old. He had grown worse and worse over the years, in spite of intensive medical treatment by his specialists.

Eventually, his prescription medications began to fail, and his constant lung infections became so pronounced, and so uncontrollable, his parents took to the internet and discovered information about colloidal silver.

After familiarizing themselves with colloidal silver, they soon began treating their son with small daily amounts, approximately 1/2 teaspoonful, twice a day.

As the boy's condition appeared to improve, his doctors decided to monitor his colloidal silver usage. They would later write in a **an article** published in the *Journal of the Royal Society of Medicine*, titled Colloidal Silver for Lung Disease in Cystic Fibrosis:

> *"Over the next three months the patient achieved a sustained improvement in symptoms, which persisted following weaning from oral steroids, nebulized antibiotics and regular asthma medications."*

In other words, thanks to the success of the colloidal silver usage, the boy's parents were able to start weaning their child off of the harsh prescription drugs. As I wrote in my previous article about this case:

The boy enjoyed what his doctors called “a sustained improvement in symptoms,” and was able to enjoy a skiing holiday, full participation in school rugby matches and even “significant improvements in his golf handicap.”

In other words, the boy went from being barely able to breathe, to returning to an almost normal, active boyhood life!

The child apparently had one further relapse after experiencing a “temporary interruption of colloidal silver [usage] for a month.” Then, according to the doctors, “He has remained well for a further six months after resuming colloidal silver, with no other changes in his routine care.”

In the medical journal article, the doctors, of course, were duly cautious about recommending colloidal silver usage for Cystic Fibrosis patients, even though it was they who had clinically documented the 11-year old child’s startling recovery from the severe symptoms of the disease.

But the case does show that colloidal silver can be helpful even in very serious situations. And some doctors have had the courage to clinically document such examples.

A Interesting Story from Down Under: Pneumonia

Emily, from Australia, wrote me to say she had initially been very skeptical about giving colloidal silver to her children, who had experienced frequent illnesses.

But after a particularly disconcerting instance in which her children’s pediatrician failed to diagnose a case of pneumonia in one of her four kids, she switched gears and gave colloidal silver a try. Here’s what she wrote:

> *“I have four children, sons almost 10, 7, 4 and a daughter not quite 3 years old. Friends have always said to me when my children have been sick ‘oh you should give them some colloidal silver.’ I never listened to them.*
>
> *Unfortunately, last year was one of the worse years for my kids being unwell. My daughter got a chest infection in August to the point that I took her to the E.R of our local hospital where they told me it was only a virus and sent us home.*
>
> *About 3 weeks later she went downhill to the point that for one week she had temps of 41 celsius [105.8 degrees – ED) and she was sleepy all the time and when she was awake she was crying and miserable.*
>
> *I took her to the doctor on a Wednesday and she was miserable, high fever, nasty cough, wheezy etc. He checked her out and said ‘Hmmm, well her chest is clear,*

she has no redness in her ears or throat, so I'm not going give her antibiotics, but if she still has the temps by Friday please bring her back.'

So Friday comes and at 8:30am I am back at the medical centre seeing the doctor. My daughter still has the high temps and this time he says he can hear a slight crackle in her chest, and there is some redness in her throat and ears. He prescribes antibiotics.

By Sunday (I had to go to work) I said to my husband 'If she doesn't have any happy moments today we'll take her to hospital this afternoon. She didn't improve at all and so we took her before I even finished work. We got to the hospital and they diagnosed pneumonia. We were in hospital for 4 days. I was utterly disgusted that the doctor failed to diagnose it previously.

The icing on the cake was we were hit with a gastrointestinal bug this past Christmas. A few weeks after this my little girl developed a nasty cough and my 4 yr old woke with a high temp.

It was then that I decided to turn to colloidal silver. I gave it to them both. Overnight my son's high temperature vanished and he was fine.

My daughter, on the other hand, got quite sick in a short period, and my observations can only describe it as the illness was fast-forwarded. I'm talking about an 8 hr course in which she cried nonstop, coughed wheezed and then vomited.

But by the next day she just had a minor cough. As I stated this was my first experience with colloidal silver. Usually an illness like this with her would last weeks, but this time she was only severely ill for the 8 hours, and within a week she was absolutely cough-free and healthy again.

I have also used colloidal silver on my children's skin (topically). My 4 yr old had been dragged on the carpet by another small child and ended up with carpet burn. I applied colloidal silver and the next morn it was just a graze, no redness or angriness about it.

Basically, I give my kids a tablespoon of colloidal silver in their water 3 times a day when I notice they have a runny nose or sniffle or temperature. If one of them has a sore, I apply it directly to the sore. By giving it orally as I have been, the illness is so minor and lasts for maybe 48 hours.

…I can't talk highly enough about colloidal silver. We've now used it since the beginning of the year, and we've not been to the doctor in all of this time. On the other hand, my good friend has taken her son, who is the same age as my daughter,

to the doctor countless times and had antibiotics countless times and has even been hospitalized.

I feel 100% confident that we will not be in that situation this year, or ever again. I've told my friend about this magic stuff, but she won't listen. I've now gotten to the point that I don't bother talking about it. I see my Facebook friends state their kids are so sick, or their friends have the flu and are so sick, but now I just don't bother sharing with them the success we have had in colloidal silver because they don't bother taking the advice."

— Emily from Australia

Even More Testimonial Accounts

Here's a testimonial from a grateful mother who used colloidal silver to help heal her children of strep throat:

- ✓ **Strep Throat –** "Three of my little ones got healed from strep thanks to colloidal silver. They're ages three years old, and above.

  I gave them four eye-droppers full of colloidal silver, five or six times a day.

  They gargled with it, then swallowed. Their gargling was pretty fast, since they're so small. But it still worked!

  The infection went away quickly. With colloidal silver we always get healed in less than five days. Colloidal silver has been our ONLY antibiotic for the last 4 years."

  — N.L., Scottsdale, AZ

Many others have also attest to the powerful strep-fighting qualities of colloidal silver. For example, Kathy W. for Kansas wrote to say she'd used colloidal silver to help conquer a nasty case of Swine Flu her granddaughter contracted:

- ✓ **Swine Flu –** "My granddaughter who was with us in church tonight had the swine flu 3 weeks ago, and it was tested and verified at the Drs.

  She had a 103 fever, and the Dr gave her a prescription for antibiotics on Friday that they couldn't get filled until Monday when the pharmacy opened.

  Friday night, her temp spiked again at about 2:30 a.m. Her RN mom was at work, and I personally checked her temp.

  It didn't seem right to wait, so I gave her a 1 oz shot glass of fresh micro-particle colloidal silver and a dose of Tylenol. Her fever was gone at 2:45 a.m. and she slept well.

  When she was checked again at 6:30 a.m. when her mom got off work, her fever

was gone, her sore throat and cough were gone, all lung congestion gone…never came back.

…This is the 12 year old who traditionally went right into strep throat and pneumonia every year in flu season.

She got the prescription filled Monday, but didn't take it, she was totally cured thanks to the micro-particle colloidal silver!!"

— Kathy W., KS

Will H., from Texas, wrote me to say colloidal silver worked on a three year old child who was chronically sick with bronchitis, despite many courses of antibiotic drugs. He stated:

- ✓ **Chronic Bronchitis –** "A lady in Oregon that I met has been taking her now 3 year old daughter to the same doctor since she was 6 months old.

  Her daughter was diagnosed at that time with chronic bronchitis and was given antibiotics off and on about 15 times.

  AND I'M NOT BSing YOU! It wouldn't clear up no matter what. She was sick with bronchitis for about 2 1/2 years. It never went away and that child was always sick.

  I tried telling her about colloidal silver but she wouldn't listen. FINALLY in December I couldn't take it anymore and I gave her an 8 oz bottle free of charge.

  I told her to give the baby half a teaspoon at least twice daily. She followed directions and it worked for her…in about 3 weeks her daughter's condition completely cleared."

  — Will H., TX

Debbie M. wrote to tell me the following brief story about her 10-year old with fever and swollen tonsils:

- ✓ **102 Degree Fever –** "When my daughter was 10 years old she came home with a 102 degree temperature, and her tonsils were swollen. The doctor's office was closed and we lived in the country over an hour away from the nearest hospital.

  I gave her a glass of colloidal silver to drink and waited with bated breath for her father to get home to take her to the hospital. But in half an hour's time the swelling had gone down and so had her fever. Colloidal silver is great and I've seen no bad after effects."

  — Debbie M.

Madeline V. from Florida, wrote to tell me about two amazing accounts of healing children with colloidal silver:

- ✓ **Difficulty Breathing and Sore Throat –** "I have two testimonials regarding children and colloidal silver:

  The first is regarding a three week old infant, the grandchild of a friend, had difficulty breathing and when grandmother opened baby's mouth wide the throat was red. She called me for help.

  I gave her a two ounce dropper bottle of 10 ppm micro-particle colloidal silver, advising her to put one half drop into each nostril. Then wait a minute or two, and put two drops in the baby's mouth, one drop at a time.

  My friend called me later that day and said she was seeing an improvement. I suggested she continue the regimen once every twelve hours for at least three days. That would be six doses. Then call me.

  She never called me back. Of course, I was on pins and needles. When I saw her in church that following Sunday, I said, 'Hey! How's the baby?' She said, 'Oh, just fine. She's not having any more problems. I got so busy sewing hats while she was sleeping, I forgot to call you.' I was so relieved and just laughed.

  The second story is about a four year old girl, the granddaughter of my former hairdresser. One day, the little girl was visiting my hairdresser, and complained about her throat hurting. My hairdresser called me and asked if colloidal silver was okay to give a four year old. I said, "Why not?" I instructed her to give the child a teaspoonful every time she complained about her throat.

  But the child, having taken drugstore products in the past, did not want to try colloidal silver, and ran out of the room. Wise grandmother followed explaining it was just water, but the child shook her head 'no.' She explained that it tasted just like water but the child shook her head 'no' again. She explained it's a good kind of water, but the child shook her head 'no' again.

  Grandmother patiently said, 'OK, will you just come and smell it?' The child slowly walked toward grandmother and then smelled the dropper. She looked at grandmother and said, 'I no smell it.'

  Grandmother then said, 'Can I put one drop on your tongue?' and showed her the amount in the dropper. She said, 'If you don't like it you won't have to take more, okay?' The child agreed.

  Since the first drop was tasteless, she agreed to take a few more drops and before you know it she came back a few hours later for a teaspoonful asking for "the special water" for her throat. The sore throat was healed, and now, every time the grandchild visits, she asks for a few drops of "the special water" and grandmother complies."

  — Madeline V., Florida

Another person – a grandfather who is familiar with colloidal silver usage – wrote to tell me her two favorite stories of using colloidal silver on children. She stated:

- ✓ **Facial Rash and Hot Water Scald –** "I actually have two colloidal silver stories to tell you. The first is one about my granddaughter, who is five years old. She kept getting rashes on her face and hands. We tried many things and nothing seemed to clear it up. So before my daughter took her to the doctor, I suggested we try a topical colloidal spray. I make it myself at 6-7 ppm.

  I sprayed her rash, and it started to clear up a bit. So I decided to look for the source. Well, her cat Mittens would play in the back yard, and I discovered a weed killer got on the cat's fur, and in turn, passed it on to her. So whenever the cat came in to the house, I sprayed it with colloidal silver…and the girl's rash soon disappeared. Both are doing fine.

  My second story is about my neighbor's little boy. He was scalded with hot water in the bath tub. I heard him scream from next door. I rushed over with my trusty bottle of colloidal silver and sprayed him good. Within minutes he was healing. Two days later, you would never know that he had been injured.

  I always keep a small pump spray handy. I've sprayed it on cuts and scrapes and there is 100% healing every time. If you spray it on burns, there will be no blistering.

  Thanks for listening."

  — William T.

Dawn S. wrote to tell me about her child's ear infection. She stated:

- ✓ **Ear Infection –** "My daughter had an ear infection when she was a toddler and we put colloidal silver into an eye dropper and administered a few drops directly into her ear every 4 hours or so, for a couple of days, until the infection subsided.

  Never took her in to the doctor, but I've had four children (she was my tail ender) and I know how to recognize the symptoms of ear infections in kids this age. In addition to the daily drops, I also gave her a teaspoonful orally at the same time."

  — Dawn S.

Suzanne S. wrote to tell me about her 14-year old daughter with cold sore flare-ups. She stated:

- ✓ **Cold Sores –** "My 14 year old niece and I both get cold sores. When I have a flare-up, I have been taking 2 ounces of colloidal silver, 1,500mg of L Lysine and 500mg of olive leaf extract a day to get rid of the sores.

  I swish with the colloidal silver and swallow it down. I also use a cotton swab

soaked with colloidal silver on the infected lip two-three times/day. The sore is usually gone in about a week or so – sometimes up to two weeks.

My niece on the other hand has to take Valtrex to get these to clear up. The last time she got a cold sore, I called to tell my sister-in-law about my treatment and how it works for me. She finally gave in and allowed me to give the silver, lysine and olive leaf to her daughter. It worked as I promised it would. She's a believer now in the power of silver. Now I need to buy a silver machine to make my own."

— Suzanne S.

James T., wrote to tell me how wonderfully colloidal silver had worked to help clear up his daughter's acne. He stated:

- ✓ **Teenage Acne –** "My daughter, in her middle teenage years, has been plagued with acne on her face for 2 to 3 years. In the last year it has gotten worse. Her face is dotted with large, angry, red, open wounds because she won't quit picking at it.

  After I received my colloidal silver generator, I thought to give her 3 oz. of about 25 ppm once daily to see if it would be effective against her acne.

  Within 3 or 4 days the large red pustules disappeared. Though her acne has not been totally eradicated, what is left are fine pimples across her forehead, a much better improvement that before.

  An unexpected event also happened upon starting her daily dosage of colloidal silver. She is very prone to bladder infections and the telltale signs were evident just prior to receiving her first dose of the colloidal silver – stinky urine smell, itchy crotch, etc.

  We noticed that about 24 hours after drinking CS, her symptoms started to disappear and have not been a problem since in the 3 months she has been taking the Colloidal Silver.

  We are very pleased with her health improvement. This has been a God-send for us."

  — James T.

Here's an unusual use sent in by D.L. Hamilton:

- ✓ **Bleeding Gums –** "A six year old friend had been eating popcorn. Apparently a kernel had cut her gum between her teeth, we tried floss to remove the kernel but she was still experiencing pain & slight bleeding.

  I then gave her a weakened dose of colloidal silver & asked her to swish it around in her mouth for 2 minutes. After which she had no complaints. We love our generator & the product it makes, thank you."

— D.L.Hamilton

Maria, from Queens, NY, wrote in to say:

- ✓ **Stuffy Nose, Body Aches, Vomiting, Nausea and a 101.5 Fever** – "I'm from Queens, New York and last April (2010) my then; 9 year old niece Alex was home from school not feeling well. She had a stuffy nose, body aches, vomiting, nausea and a 101.5 fever.

  My sister took her to the doctor and he did a nasal swab (due to the fact that swine flu was going around at that time), the swab did confirm she had the swine flu and the doctor gave my sister a prescription for antibiotics.

  When my sister got home, she told me what the diagnosis was and that she did not want to give her the antibiotics. So I started giving my niece colloidal silver; one tablespoon three times a day for 3 days and then one teaspoon 3 times a day for 2 days.

  I noticed results right away. The first day the vomiting stopped and by the third day she was feeling 100% better. By the 5th day there were no signs of her even being sick. I love my colloidal silver and I don't think anyone should be without it."

  — Maria, Queens, NY

Jill S. wrote in to say:

- ✓ **"Kid's Diseases" – "**We use colloidal silver on my granddaughter who is 6 years old. Actually we've been dosing her for at least a year, but only when she needs it.

  It has really helped her get through all the 'kids' diseases, ranging from sore throats, earaches, fevers, etc.

  It even helped with the chicken pox sores. She loves the "special water" from grandma. We just give her a ounce or two a day while sick and it really does the trick…"

  — Jill S.

Pam C. wrote in to say that she's amazed by how quickly colloidal silver healed her five year olds ear infection. She stated:

- ✓ **Ear Infection –** "I had never heard about Colloidal Silver until I took my 5 year old to the natural Doc with a double ear infection. He said to go buy some colloidal silver and put drops in her ears and mouth. It healed her ears completely! I was amazed!"

  — Pam C.

Samantha S. wrote in to say that colloidal silver and chicken soup helped her two year old. She stated:

- ✓ **Mystery Ailment –** "About a month ago my 2 year old was starting to come down with something ,so along with her vitamin C etc. I gave her 2 small squirts of colloidal silver in the morning and again in evening and she was fine the next day…oh and of course homemade chicken soup with stock!! I don't recommend silver internally for children to others but in strict moderation I use it."

  — Samantha S.

Jennifer D. wrote me to say that her five kids are doing great, thanks to colloidal silver:

- ✓ **Chicken Pox and Other Childhood Ailments –** "I have 5 children, and started using colloidal silver about a year ago now. It cured my daughter's chicken pox in less than two days (they appeared as spots but never blistered and broke like chicken pox always do).

  My kids have not been on antibiotics in over a year, and trust me, with five kids, it always seemed like one of them was getting something. Now we are just healthy people.

  My infant daughter had never had a diaper rash since birth and I use colloidal silver in a spray bottle at each diaper change instead of diaper wipes.

  My step son flew out for a visit in the summer, and when he got off the plane his eye was so infected that he couldn't open it. I immediately put silver drops into his eye, and by morning it was fine.

  So many cuts and scrapes have been completely healed with colloidal silver, I have never even had a tube of polysporin in my house in over a year. I've never experienced that in my parenting career LOL.

  I have helped out numerous friends when their kids have been sick, and it makes me feel so good knowing that I have a gift now that can truly provide help to those I love.

  I don't fear sickness anymore. I know that we can handle anything that comes our way. BTW…even though everyone around us was dropping like flies from the H1N1 swine flu, not one member of our 7 person household got sick."

  — Jennifer D.

Another mother wrote in to say that colloidal silver helped with a staph infection on her 7 year old son's nose. She stated:

- ✓ **Staph Infection on Nose –** "When my son was about 6 or 7 he got staph from a sunburn on his nose. We live on Maui and staph is prevalent.

He scratched his sunburn and it got very infected. His entire nose quickly became swollen and red. Staph multiplies very rapidly. The opening on his nose closed over.

I didn't waste time – I sat his head on my lap and put a hot compress on his nose. When it opened I drained it as much as I could then I took a dropper and sat there for a long time slowly dropping silver into his open wound.

I also gave him 2 tablespoons every hour, for probably about 4 hours or so. I made him hold the silver in his mouth for 30 seconds each time.

Within 12 hours my friends, who had seen his nose the day before, were astonished. The next 3 years, whenever I saw a red itchy bump on his leg or torso I gave him 1 Tbs. of silver.

Eventually, the bumps stopped coming. I do not give him silver on a regular basis but when I need it, it works for us."

— Stephanie C.

A very happy Grandmother wrote in to say that colloidal silver works wonders for her granddaughter's earaches:

- ✓ **Earaches –** "On 2 different occasions my 8 year old granddaughter complained that her ears were hurting her. Both times her mother just put 3 drops of colloidal silver in each ear, (made with the Micro-Particle Colloidal Silver Generator).

  She had Breanna lay on her side for at least 10 minutes with each ear facing up so that the silver had time to work and not just run right back out. This was done twice a day for 2 days and the problem was gone."

  — Happy Grandma

A grateful mom wrote to tell me how she used colloidal silver on her 12 year old son who had a nasty case of the flu. She wrote:

- ✓ **Nasty Flu –** "My 12 year old son, Ron, came home from school with what appeared to be the flu. He was vomiting, had swollen glands in his neck, and had a fever of 101 degrees. He had lost all sense of appetite, and was unwilling to eat or drink due to the vomiting.

  I had read about colloidal silver being helpful with viruses, so I decided to try it. I had a bottle from the local health food store that said the concentration was 10 ppm. I started out by giving my son one tablespoon.

  Later that night, I gave him another tablespoon full. And then another a few hours later. He seemed a little better, but not much. At least the vomiting had stopped.

  In the morning after he awoke, I gave him another tablespoon. Then I proceeded to

give him a teaspoonful every two hours. About halfway through the day his fever broke and he was feeling much better. I didn't need to give him any more colloidal silver after that, as his recovery was rapid."

— Grateful Mom

Here's a short account from a mom who's oldest son had a large, angry boil:

- ✓ **Terrible Boil –** "My oldest son had a boil the size of a fist causing extreme stabbing pain and the doctor gave him a low grade antibiotic and refused to lance it despite appearance looking ready to explode.

  I received the colloidal silver generator in the mail the next day and immediately made a batch and soaked large gauze pads in the Colloidal Silver to cover the boil.

  The next morning a hole had opened the size of a nickel and a mass of infection pulled out with the gauze (also all swelling was gone) – reapplied this treatment several times a day for the next 2 days and the hole that had been a inch deep completely healed over."

  — Beth H.

Here's an account from a lady who gives her homemade colloidal silver away to her neighbors:

- ✓ **Chronic Croup –** "My husband and I make colloidal silver for people when they ask us to. One of them saw us the other night and made a point to tell us that since we started giving her the colloidal silver (a little over a year now) her son hasn't been sick.

  Previously he had chronic croup, and was catching every cold that came along. She was just twinkling when she told us…obviously getting plenty of sleep since she is no longer up all night with a sick little one."

  — Marie B., CA

Here's a short account of a woman's daughter who stopped a stye from developing in her eye, with colloidal silver:

- ✓ **Stye –** "My daughter felt a sty coming on so she put 2 drops of colloidal silver, twice a day in her eye for a couple days, and the sty never developed!"

  — Diane L

Here's a very interesting account from a grandmother who used colloidal silver to help her granddaughter beat a swollen, pus-filled eye:

- ✓ **Swollen, Pus-Filled Eye, Plus Earaches –** "I make my own colloidal silver with a Micro-Particle Colloidal Silver Generator from The Silver Edge. One morning my 8

year old granddaughter woke up with her left eye all swollen and full of pus, it was almost totally closed up.

Her mother soaked a wash cloth in the colloidal silver I keep them generously supplied with. Breanna held the wash cloth on her eye for 20 minutes, when she removed it the swelling was gone and her eye was all cleared up and the problem did not return.

On 2 different occasions my 8 year old granddaughter complained that her ears were hurting her. Both times her mother just put 3 drops of colloidal silver in each ear, (made with the Micro-Particle Colloidal Silver Generator). She had Breanna lay on her side for at least 10 minutes with each ear facing up so that the silver had time to work and not just run right back out.

This was done twice a day for 2 days and the problem was gone."

— S. Glentz

Here's an account of using colloidal silver to help stop a long-term earache that doctors couldn't heal:

- ✓ **Six-Month Long Earache –** "Mary's son, 9 yrs. old had a recurring ear infection. Doctors tried for about 6 months to clear it up. Nothing happened.

  I put 3 drops of colloidal silver in his ear (1 ear) and stuffed a cotton ball in it gently and saturated it with another 3 or 4 drops silver.

  3 days later there was no pain so we removed the cotton and gently swabbed the ear with a cotton tip to clean it out and it has been over a year and never had an infection again."

  — L. L., Merced, CA

Here's an account from a mom who has found colloidal silver to be a godsend for her family:

- ✓ **Pink Eye, Bleeding Gums, Colds, Brown Recluse Spider Bite –** "I'd like to tell you about our use of colloidal silver. We are a family. My husband, myself, our daughter and her son, our son, and our son and daughter-in-law have used colloidal silver for many years.

  … I make batches for all family members, all of whom have different purposes for it. For example, our grandson got pink eye. A few drops of silver in each eye had an immediate effect and the pink eye was gone in 48 hours.

  I recommended it to a friend whose son's eyes were swollen shut with pink eye and within 48 hours, his eyes were clear.

  Our son takes a swallow daily, swishing it in his mouth to end bleeding gums. Our

daughter-in-law tried mixing it with herbs, and it cleared her shingles in just days.

At the first sign of a cold, we all begin taking swallows of colloidal silver and it minimizes all symptoms in days.

Our granddaughter was treated for MRSA in the hospital with poor results, so she used the colloidal silver, keeping a saturated patch on it until complete clearing.

Our daughter was bitten by a brown recluse spider. We treated her with a combination of silver and herbs both externally and internally to combat the poison. She lost a little skin and has a small scar, but completely recovered.

There are so many things we all use silver for in our every day lives that I cannot begin to enumerate them all. Just let me say, it is a travesty of justice that the world isn't informed about the safe, easy use of such a wondrous product."

— R.D., AL

And here's an account from a mom who's teaching her grown children how to use colloidal silver for their kids:

- ✓ **Chest Cold and Congestion –** "I'm teaching my grown children how to use 'silver' for their families.

  Our latest family success story was my daughter's six-year old son. He had a chest cold with lots of congestion. He also has asthma. My daughter had been treating him with nebulizer treatments and running his humidifier at night.

  His congestion was not loosening after several days, so my daughter added 1 cup of 'silver' to the humidifier water (1 gallon size), and the next morning my grandson was coughing up loosened mucous.

  I've also used the 'silver' for sore throats, gargling with 1/4 cup every couple of hours; for colds setting in, gargling as previously mentioned, and nasal drops, 2 drops each side every couple of hours; for upset stomach, swallowing 1/8 c every time the cramping or nausea hit.

  It's amazing. It gives me hope for being able to care for my family as healthcare in this country is becoming more controlled by government."

  — C.R., Highland, UT

This nice lady says colloidal silver stopped the horrific earaches her Down Syndrome son was tortured with for years:

- ✓ **Earaches in Down Syndrome Son –** "I have a Down Syndrome son, Christopher, now 17. It was always doctors, doctors, doctors – GOODBYE!!!!!!!.

  He was always sick, he does not feel pain like we do so by the time he got an ear infection, the eardrum would blow puss and an odor that was really scary.

Now I just use three or four drops of the colloidal silver in his ears, and magic, no side effects and it clears up in a couple of days."

— Rosemary F.

This dad says he gave his son colloidal silver and stopped a nasty case of Strep Throat:

- ✓ **Strep Throat –** "One of our earliest experiences with colloidal silver was when our then-16 year old son came home from school with a red, inflamed throat that had huge white pus pockets. His doctor took a throat culture and diagnosed it as strep throat.

  He gave us a prescription of some kind of penicillin derivative. But we took Ron home and had him drink 4 ounces of our homemade colloidal silver and gargle with an ounce of colloidal silver every hour. By the next day the pus pockets were nearly gone, and the inflammation was in retreat. Three days later he was fine. We never did have to give him the antibiotics."

  — S.B., CA

This mom gave her daughter colloidal silver as eye drops to heal a case of Pink Eye:

- ✓ **Pink Eye –** "My daughter had Pink Eye. We had looked online to see if there was anything that the Colloidal Silver could do. I read some articles that people posted online.

  We tried putting the colloidal silver water into her eyes like eye drops, and half an hour later, the discomfort had eased up, and she felt much better. The next morning I had her take and put some more on some cotton and wipe her eye once more, like she did the night before, now her eye was perfectly fine. And she went back to school that morning."

  — G. Maki, MI

This grandmother gave her granddaughter some colloidal silver for Swine Flu, and this is what she had to say:

- ✓ **Swine Flu –** "My granddaughter who was with us in church tonight had the swine flu 3 weeks ago, and it was tested and verified at the Drs. She had a 103 fever, and the Dr gave her a prescription for antibiotics on Friday that they couldn't get filled until Monday when the pharmacy opened.

  Friday night, her temp spiked again at about 2:30am. Her RN mom was at work, and I checked her temp. It didn't seem right to wait, so I gave her a 1 oz shot glass of fresh micro-particle silver and a dose of Tylenol. Her fever was gone at 2:45m and she slept well.

  When she was checked again at 6:30 am when her Mom got off work, her fever

was gone, her sore throat and cough were gone, all lung congestion gone… never came back. She had only been sick since Wednesday.

This is the 12 year old who traditionally went right into strep throat and pneumonia every year in flu season. She got the prescription filled Monday, but didn't take it, she was totally cured!!"

— Kathy W., KS

This gentleman wrote in to say that he gave some colloidal silver to a woman whose daughter had gum disease, and it cleared up in about a week:

- ✓ **Major Gum Disease and Severe Sinus Infection –** "A lady I work with had a young daughter that had some major gum disease (to the tune of over $6000 of her Mom's money in dental bills).

  The daughter kept getting a gum infection, maybe partially due to bad dental habits and the failure of the medicines given.

  I told her about colloidal silver and had her do some reading of it, offering her some of the liquid if she then decided to try it.

  About a week later she asked for some colloidal silver, and her daughter's mouth has now pretty much cleared up from the infection, simply by taking some twice a day and holding it in her mouth for several minutes."

  — Todd, OH

This mom used colloidal silver in her girl's ears when they were leaking fluid from around their ear tubes; here's what happened:

- ✓ **Ears Leaking Fluid – "**I used drops of colloidal silver in my girls ears when they were leaking fluid (they both have tubes and ear issues), and they cleared. I also gave them both several teaspoons full for no more than one day and each got well, like nothing had ever happened."

  — Kammy

As you can see, many parents (and grandparents) give their children (or grandkids) colloidal silver, in reasonable, responsible amounts, and have experienced tremendous results. But it's not all a bed of roses; here's a brief warning all parents should heed:

New Trend: Doctors Turning Parents In for Giving Kids Colloidal Silver

On the other hand, not all doctors are amenable to natural health care, and some are especially antagonistic toward colloidal silver usage.

Indeed, not too long back a young mother wrote me to about her grueling ordeal with a doctor who had reported her to Child Protective Services (CPS) for giving her young asthmatic daughter colloidal silver to help with her lung condition.

It was winter, and the youngster had been having serious breathing problems, including constant wheezing and difficulty drawing a breath. And her pulmonologist, who worked at a major university, had put the youngster on 50 mg. per day of prednisone, plus other powerful prescription drugs such as albuterol.

But the child's condition showed zero signs of improvement. Plus, the inhalers the doctor put the child on were giving the young child massive headaches. So the child's mom went online, read up on colloidal silver, and began giving her young daughter small daily doses of colloidal silver.

Miraculously, her daughter began to recover. The wheezing and difficulty drawing a breath gradually resided. And the child was even able to return to school.

But at her child's next doctor's appointment, the young mom, thinking her doctor would be interested in knowing why the child's condition had miraculously gotten better, explained to the doctor that she'd began giving her child colloidal silver, and felt that the colloidal silver was responsible for the child's recovery.

The doctor, of course, didn't feel the same way. He told the mom to put the child back on the prescription drugs, which hadn't been helping at all. When the mom tried to reason with the pulmonologist, he told the mom he was no longer willing to treat, or even monitor the child. In other words, the doctor abandoned them.

Then, the doctor did the unforgiveable: He called Child Protective Services and reported the young mom for "child endangerment."

Yes, even though the doctor's own medical treatment was not working – which was *truly* putting the child in mortal danger – and even though the colloidal silver usage was clearly working, the doctor claimed its use constituted child endangerment. And he called CPA on the mom, which promptly had an agent phone to demand the mom come in to the office for an "interview" (read: interrogation).

Thankfully, although the young mom was quite distraught, she kept her wits about her and called a lawyer. She also called a local holistic M.D. and explained everything that was happening.

The holistic M.D., who was familiar with colloidal silver usage, as well as with childhood diseases like asthma, took over the little girl's case and *prescribed* colloidal silver for her, along with other nutritional supplements. This left Child Protective Services in a lurch

because now there was a bona-fide medical doctor saying the child could indeed use colloidal silver for her condition.

When I wrote the mother to ask how her young child was doing now that she was being allowed to use the colloidal silver, she wrote back:

> *"She's doing great Steve! It's a miracle how well she's breathing. March and April she's usually in ICU with asthma attacks. This is the first year she hasn't! Now time for me to start filing complaints against those doctors."*

I'm not sure what's happened since then, as I've lost touch with the young mom who had been put through this awful ordeal. But that's the kind of thing that can happen simply because some doctors are so over-protective of what they consider to be their "turf," they can't accept any kind of holistic treatment being helpful at all.

Indeed, around the same time this incident happened, I came across another doctor – this one from the mid-west – who actually brags openly, online, about helping the Department of Family Services in his state take children away from their parents for giving them colloidal silver – a nutritional supplement that's been around for over 100 years, is sold in just about every health food store in America, and has millions of people using it worldwide!

In another case, a gentleman called into the Alex Jones radio talk show (Jones sells his own brand of colloidal silver) and explained that he'd been reported to Child Protective Services for giving colloidal silver to his children – in this case, by his own ex-wife.

The gentleman said CPS was threatening to take all four of his children from him, even though they were perfectly healthy and had not in any way been harmed by their colloidal silver usage, which he attributed to their excellent health and well-being.

So this appears to be a new trend starting:

Doctors are sick and tired of their patients using nutritional supplements as an adjunct against various ailments, instead of using prescription drugs or other medical treatments. So they're fighting back – particularly against parents – by using the raw power of government to enforce the status quo.

This is just one reason why so many natural health advocates urge parents to get a good, local, licensed, *holistic* health care doctor to take their children to when they're sick, and, in fact, any time when natural remedies are being used.

A good holistic doctor will certainly cost you a few bucks you might think you can't afford. But he or she can monitor the child's condition for improvement (or lack thereof) and

adjust dosages as needed, or even try other supplements if the case calls for it – things which many parents don't have the expertise to deal with appropriately.

Plus, having a good holistic-oriented doctor on hand is great insurance against the alternative – doctors who despise natural health remedies and who have no compunction against trying to make parents look neglectful or incompetent simply for giving their children a natural substance.

Children with Gray Skin from Excessive Colloidal Silver Usage

I'd be remiss if I didn't mention that some parents are indeed idiots, as there have been a very small handful of cases in which children have ended up with argyric skin-staining from being given abusive amounts of colloidal silver.

For example, a lady from Poland wrote me some time back to say:

> *"Hello Steve. I am the administrator of a group about colloidal silver in Poland. One mom from the group gave her children colloidal silver every day for 2.5 years. First with just spoon-sized dosages, but later with whole glasses of colloidal silver.*
>
> *For more than a year she gave her children a glassful per day. Now the children have gray skin. It's not very visible. But they are nevertheless gray. I am asking for help so that these children can get out of it if they can? Will the visual effect deepen when the sun comes out? How long can this deepen?*
>
> *Of course, all other medical results are ok, kidneys, liver, etc., and the children did not get sick. But they are gray. Please, give me some tips. Children are 5 and 6 years old. What to do? Can the color of the skin at least be reduced a bit?"*

I later wrote back to say:

> *"For the life of me, I'll never understand why parents give their children such high dosages of colloidal silver. That's very irresponsible, especially since there have been no clinical studies to determine safe dosages for young children.*
>
> *When my kids were young, I never gave them more than a teaspoon to a tablespoon of colloidal silver a day, and then, only when they were sick with some kind of infection.*
>
> *In the United States there are several doctors who can perform a type of laser treatment that helps get rid of the gray skin caused by excessive silver ingestion, by breaking up the little silver particles that have become imbedded in the skin.*

I don't know if you have anyone in Poland who can perform this same treatment. But it's very much like tattoo-removal treatment, which also uses laser.

In the U.S., Dr. Alison Vidimos of the Cleveland Clinic has pioneered this treatment, and teaches it to other doctors. I don't have contact information for her, but you might try to search for her contact information using an internet search engine like Google.

I've heard it takes multiple treatments with the laser to get the skin looking normal again, and it can be a bit painful.

Also, if the skin discoloration is very dark, the laser treatment won't work as well as it would if the discoloration was lighter. In other words, the darker the argyric skin discoloration, the less effective the laser treatment is at removing the discoloration.

All of which is good reason to err on the side of caution from the start, and never take colloidal silver in excessive amounts for long periods of time – especially never give excessive amounts to children over long periods of time."

In 1989, an **account** was published in a French pediatrics journal (i.e., Archives Francaises de Pediatrie) describing the case of a 14-year old child who had contracted argryia "caused by abuse of silver-containing pulveriser for sore throat."

In other words, instead of seeking medical care, the child's parents had repeatedly used silver to treat the child's persistent and recurring sore throat. *Indeed, they did so for six straight years*.

And, unfortunately for the child, the excessive number of treatments with silver resulted in the typical blue-gray discoloration of the skin common to excessive, long-term use of silver.

This case demonstrates something I've stated many times:

If you choose on your own to try colloidal silver to help the body overcome a specific symptom, and the silver doesn't do the trick, *stop using it*.

What's more, if you have to continue using silver just to keep symptoms at bay, and the symptoms return as soon as you stop using silver, *get medical treatment rather than continuing to use silver*.

This should be common sense. But some folks seem to lose all common sense when it comes to colloidal silver. I'll never understand why. But it's true.

In Conclusion

Again, if you want to give colloidal silver to one of your children, my official position is to take the child to an experienced, licensed, holistic-oriented doctor who will not only diagnose, but prescribe proper dosage and then monitor the child to make sure the dosage is working well and there are no other problems developing.

I know that many, many parents give their children colloidal silver as a “go to” remedy for infections. I have hundreds of testimonials to that effect, from very happy parents and grandparents.

But please…please…please… use colloidal silver *responsibly*. Especially with your children. The lowest amount possible. And under a holistic-oriented doctor’s care whenever possible.

Don’t get caught up in the “You can drink as much as you want and it can’t hurt you” nonsense that’s so common on the internet today. It’s just *not* true. In fact, it’s a total fabrication.

As with *any* natural substance or nutritional supplement, taking abusive amounts can eventually be harmful. Colloidal silver is not exempt from this simple truism, no matter what anyone else tells you.

Its safety profile is similar to any other nutritional supplement on the market today. In other words, when used responsibly colloidal silver is very safe.

But as with any other supplement, if you use it abusively, or give it to others – including your children – indiscriminately and without regard to moderation and common sense, you will eventually pay a price. Or your children. So be smart. And always use colloidal silver responsibly.

Chapter 12: Using Colloidal Silver with a Nebulizer

Is nebulizing colloidal silver a safe and effective method of colloidal silver usage? Some colloidal silver advocates say it is. Many of them cite dramatic instances of profound healing they've experienced by using this method.

Others, like myself, tend to be enthusiastic about the effectiveness of nebulizing colloidal silver, but very conservative regarding the use of this method until clinical studies can demonstrate conclusively the long-term safety of inhaling minute silver particles into the soft tissues of the lungs.

After all, there have been ZERO human safety studies conducted on inhaling colloidal silver. And "safety first" should always be your motto when it comes to your long-term health and well-being. With that in mind, here's what you need to know about nebulizing colloidal silver…

Back in October 2001 the prestigious Health Sciences Institute pointed out that nebulizing **colloidal silver** directly into the lungs is one of the fastest ways of effectively eliminating serious upper respiratory infections, including bronchitis and pneumonia.

One of their well-known health symposium panelists, Dr. Victor A. Marcial-Vega, M.D., had discovered, while dealing with pneumonia patients, that colloidal silver can be quickly and easily atomized into a fine mist and inhaled into the lungs using a device called a nebulizer. The silver is then easily carried into the human blood stream and from there directly into the body's cells and tissues.

The apparent result was rapid and highly effective remission of pneumonia symptoms, as the tiny silver particles in the colloidal silver killed the infectious agents causing the pneumonia.

What's more, a **clinical study on animals** was conducted several years ago in which inhalation of silver nanoparticles appeared to provide miraculous protection against pneumonia infection.

In fact, in the above-linked article on this study, it was reported that mice purposely infected with pneumonia bacteria easily survived the infection when they were allowed to inhale silver nanoparticles once per day, whereas mice with the same infection but which were *not* allowed to inhale silver nanoparticles all died.

While this is one of the very few clinical studies to date conducted on inhaling antimicrobial silver, it does seem to offer profound hope that a safe, natural way has been discovered to help staunch the devastating effects of serious upper respiratory infections.

Not so Fast…

However…additional safety studies on animals have found that long-term inhalation of silver into the lungs can lead to accumulation of silver in the soft tissues of the lungs, as well as inflammation, reduced lung function and other problems.

While these animal studies are not conclusive regarding the safety of nebulizing colloidal silver into the lungs, they do indicate that until *human* safety studies are conducted, significant caution and common sense should be utilized when considering such a means of delivering colloidal silver into the body.

In just a moment we'll take a look at those animal safety studies, and discuss their significance to humans. But first, for those who may be unfamiliar with the idea of nebulizing, here's a brief overview:

Nebulizing: The Short Course

The process of “nebulizing” certain liquid medications is chiefly used by asthmatics who need to get their medications deep into the lungs as rapidly as possible during the course of an asthma attack, or to prevent one from taking place.

But it can also be used with other liquid medications, as well as natural liquid substances such as certain homeopathic remedies, or even colloidal silver.

Here’s how it works: A liquid medication is poured into a small basin, or water well that’s generally located in the neck of a device called an ultrasonic nebulizer.

When the nebulizer is started, the liquid is *aerosolized* into a super-fine mist. And depending upon which type of nebulizer you own, the mist gently emits through a small mouthpiece, or through a mask that goes over the face.

As the fine atomized mist comes out of the mouthpiece, or the mask, it can then be easily inhaled directly into the lungs. And from the lungs the body can efficiently and effectively distribute the medication straight into the blood stream, cells and tissues.

Obtaining a Nebulizer

Nebulizers are considered to be medical devices, so most commercial drug stores or medical outlets want a prescription from your doctor before they’ll sell you one. However, people often sell them on eBay and other web sites, with no requirement of a medical prescription.

So, if you’re adventurous, and you understand that this is highly experimental and you’re *willing to take personal responsibility for your own decisions*, you can easily pick one up for under $40 or so by going to eBay.com or Amazon.com and using the search engines on those sites.

Just search under the term “nebulizer” or “Omron nebulizer” and you’re sure to find one. (Omron is one of the top manufacturers of commercial nebulizers. I have the Omron brand, but there are others you can get if you like.)

One Doctor's Successful Results

Here's what the Health Sciences Institute told their members about nebulizing colloidal silver back in 2001. (This was directly after the 9-11 attacks on New York City and Washington D.C., and subsequent anthrax mailings; hence the references to anthrax):

> *"Just in his last decade of medical practice, Dr. Marcial-Vega has treated hundreds of people with a variety of viral, fungal, and bacterial pneumonias. And of all the available treatments, he has seen the greatest success with nebulizer treatments using a colloidal silver preparation.*
>
> *Silver has long been known for its anti-bacterial properties, and the nebulizer allows the mineral to reach the lungs and kill harmful bacteria. Now, in the face of the anthrax threat, he believes it can do the same thing with anthrax spores.*
>
> *'We are constantly filtering all kinds of bacteria through our lungs,' explained Dr. Marcial-Vega. Normally, a healthy body is able to kill off any dangerous bacteria on its own. But in the case of illness, like pneumonia, or an especially lethal bacteria like anthrax, the body may need some extra help.*
>
> *Dr. Marcial-Vega says there are no concerns about using this treatment because colloidal silver has no toxicity and no side effects. He has used the colloidal silver nebulizer treatments on infants, the elderly, and AIDS patients with pneumonia and has seen great results. All have responded quickly to the treatment even when no other approach seemed to help, and no one reported any adverse reactions."*

Dr. Marcial-Vega further explains how he recommends his patients use colloidal silver in a nebulizer:

*"**Nebulization** – Excellent for respiratory tract infections such as pneumonia and bronchitis.*

Put 15 cc (three teaspoons) in the included receptacle, turn on the machine and breathe deeply and slowly for approximately 15 minutes or until all the liquid is gone. Repeat three times a day for colds, pneumonias, bronchitis and sinusitis.

> *If it makes you cough too much, add 20-30 grains of sea salt to the liquid just before nebulizing and shake.*
>
> *This is a natural antibiotic that contains water and silver in a colloidal suspension. It is effective against bacteria, viruses and fungi."*

— Dr. Victor Marcial-Vega, M.D., former Clinical Assistant Professor at the University of Miami School of Medicine from 1990 to 1994.

Unfortunately, Dr. Marcial-Vega doesn't state on his website the specific concentration of colloidal silver he uses when nebulizing colloidal silver.

But from what I've read on the internet, most people who nebulize colloidal silver are using between 5 ppm and 10 ppm, with some daring souls going as high as 20 ppm.

Use Caution and Common Sense!

In spite of Dr. Marcial-Vega's comment that "no one reported any adverse reactions" during the numerous times he's used colloidal silver with a nebulizer to treat various forms of pneumonia, you should always remember that nebulizing colloidal silver is a HIGHLY EXPERIMENTAL procedure.

And just because "no one reported" any adverse reactions during short terms of treatment, doesn't mean there won't be any over the longer-term if inhalation of colloidal silver is continued on a regular basis. As we now know, silver toxicity from excessive intake and long-term accumulation can take years to show up.

I say that because literally ZERO clinical safety studies have been conducted on this method of treatment with colloidal silver. In other words, in the short-term, nebulizing colloidal silver may be perfectly safe. But in the long-term, no one really knows what the cumulative effects of nebulizing tiny silver particles directly into the soft tissues of the lungs may be.

Experimenting on Yourself...

This is why I always state that if you intend to nebulize colloidal silver, you should do so only with the clear and distinct understanding that you are *experimenting on yourself*, and that nebulizing excessively (and no one at this point knows what "excessively" is) might produce negative consequences somewhere down the road.

Considering this, it makes sense to conclude that if you decide to nebulize colloidal silver *you should limit your use of nebulized colloidal silver to only those times when you feel it's absolutely necessary*, such as for short periods of time during an upper respiratory infection.

And even then, proceed only with due caution and common sense, and preferably with your doctor's oversight.

Nebulizing colloidal silver should NOT be done on a regular basis as a standard means of consuming colloidal silver. Until clinical research demonstrates otherwise, the potential risks are just too great.

Dangers of Inhaling Silver into the Lungs Over Long Periods of Time

"The lung is another major target of silver nanoparticle exposure, particularly through inhalation.

Silver nanoparticles (15-18 nm) may bind to lung epithelial cells and alveolar macrophages, producing reactive oxygen species, potentially limiting function of cells.

Histopathological examination from inhaled 18 nm silver nanoparticles for 90 days in Sprague-Dawley rats shows dose-dependent alveolar infiltration, thickened alveolar walls and small granulomatous lesions.

These histology changes were associated with reductions in tidal and minute volumes.

…Congruence of results from multiple in vitro and a single in vivo animal models supports cellular and functional toxicity from inhaled nanoscale silver particles.

However, orally dosed nanoscale silver from our study failed to induce detectable changes in reactive oxygen species or pro-inflammatory cytokine RNA from induced sputum samples."

— *Nanomedicine*, "In vivo human time-exposure study of orally dosed commercial silver nanoparticles," October 2014

Perfectly Safe?

I know there are folks on the internet who say nebulizing colloidal silver as a regular means of intake is "perfectly safe" as long as your colloidal silver is made correctly.

There's even a gentleman who sells a conventional colloidal silver generator along with a cheap nebulizer, who advocates the regular ongoing use of nebulized colloidal silver.

But do yourself a favor: Write and ask the advocates of this process to show you a *single* clinical study on humans demonstrating that regular, long-term use of nebulized colloidal silver causes no harm to the lungs.

Be sure to ask them to show evidence that nebulizing colloidal silver regularly over long periods of time will not create argyria of the lungs, or harm the cilia of the lungs. And finally, ask them for proof that colloidal silver inhaled regularly over long periods of time will not pass through the blood-brain barrier and accumulate in the brain.

They won't answer you, of course, because they have no such clinical evidence. They just continue to tout the same, tired old canard that as long as the colloidal silver is "properly made," there's no harm whatsoever no matter how of it much you nebulize, or how often.

But remember, that's exactly what was said by cavalier colloidal silver advocates

about argyria back in the late 1980's and early 1990's, i.e., "You can't get argyria as long as your colloidal silver is made correctly."

Well, a lot's been learned since that time. We now know that ongoing use of even the very highest quality colloidal silver in the world can cause argyria and other toxicity problems *if it is used in excess, daily, for long periods of time*.

Unfortunately, it has taken nearly two decades – and a number of unhappy argyria victims – to come to this realization.

And yet there are *still* people on the internet claiming you can drink as much colloidal silver as you want on an ongoing basis and it "can't harm you as long as it's properly made." Geesh.

My fear is that eventually we're going to find out the same thing about nebulizing colloidal silver regularly, over long periods of time, directly into the tender, soft tissues of the lungs.

Maybe this fear is an unfounded one. That's quite possible. But to date no one has yet satisfactorily allayed it with *solid clinical evidence* that would prove otherwise. And I certainly don't want to be the first colloidal silver user with "blue lung syndrome."

Animal Studies Demonstrate Problems

The only two clinical safety **studies** I'm aware of dealing with the inhalation of silver into the lungs were conducted on laboratory rats.

Both studies used laboratory engineered silver nanoparticles, rather than commercial colloidal silver. But the idea of what happens to silver when it's inhaled daily into the lungs for long periods of time is what was looked at.

The first study was a 28-day study which concluded there was no significant long-term harm to laboratory rats that were forced to inhale various levels of silver nanoparticles for varying periods of time on a daily basis for four weeks. That's *definitely* good news. Very exciting!

The second study, however, was conducted on rats over a period of 13 weeks (i.e., 90 days). It concluded that there were "*dose-dependent increases in lesions related to silver nanoparticle exposure, including mixed inflammatory cell infiltrate, chronic alveolar inflammation, and small granulomatous lesions. Target organs for silver nanoparticles were considered to be the lungs and liver in the male and female rats. No observable adverse effect level of 100 μg/m3 is suggested from the experiments."*

In other words, at higher daily doses for longer periods of time there were significant negative results including chronic inflammation of the alveolar, i.e., the delicate air sacs deep within the lungs where oxygen is taken into the bloodstream.

Also observed by the researchers were increases in inflamed cells, and small nodules, or tiny lumps of inflamed tissue. And silver nanoparticles apparently accumulated in the lungs and liver of the rats.

Interestingly, in this study there were no observable adverse effects at 100 ug/m3, or 100 micrograms of silver per cubic meter of air. Once again, that's at least *somewhat* encouraging news because it indicates that when silver is inhaled daily, there apparently are levels of silver inhalation which – *at least in the rat model* – are relatively safe even when used for weeks on end. But beyond those levels significant negative results were indeed observed.

The study researchers wrote:

> *"The results…indicated that lungs and liver were the major target tissues for prolonged silver nanoparticle accumulation.*
>
> *…Based on the test article-related effects (minimal bile-duct hyperplasia in males and females, chronic alveolar inflammation and macrophage accumulation in the lungs of males and females, and erythrocyte aggregation in females) reported in this study, we found a NOAEL of 100 ug/m3.*
>
> *…lung function changes previously reported from this study (Sung et al., 2008) indicate significant physiological decreases in tidal volume for* ***all dose levels in males*** *and minute volume decreases for all dose levels in females. The origin of the difference in effects measurements remains to be resolved."*

This basically means that over the course of 90 days of inhaling the silver nanoparticles each day, the tiny silver particles accumulated in the lungs and livers of the rats.

What's more, the tiny air sacs in the lungs known as the alveoli became inflamed, and as a result lung function was *significantly reduced*. The reduction in lung function was higher for male rats than it was for female rats in the study. The researchers don't know why.

Finally, macrophage accumulation in the lungs of these rats would seem to indicate the body was attempting to remove foreign substances from the lungs, i.e., the accumulated silver.

A macrophage is a form of phagocyte. And a phagocyte is a cell, such as a white blood cell, that engulfs and attempts to eliminate toxic substances, waste material, harmful microorganisms, or other foreign materials in bodily tissues as well as in the bloodstream.

Remember, these rats were *not* sick. They were simply inhaling silver nanoparticles. So there would have been no reason for the body to send macrophages into the lungs except to remove accumulated silver particles from the lung tissues.

This is similar to what's observed when people are exposed to inhalation of asbestos on a chronic basis. The asbestos lodges in the lungs. And the body sends in macrophages whose job is to attempt to rid the area of the accumulated foreign objects by engulfing them.

In short, macrophages are the "clean-up crew" of the human body, and they're *only* called in when there's something to clean up.

This demonstrates pretty much beyond any shadow of a doubt that silver particles, when inhaled regularly, over long periods of time, can become embedded in the soft tissues of the lungs and cause a decrease in lung function.

The Great Unknown…

Now let me emphasize these were animal studies, *not* human studies. People are not rats (well, *most* of them, anyway), and therefore you cannot necessarily extrapolate a straight across correlation between what happened to the rats, and what might happen to humans when nebulizing colloidal silver every day for 90 days.

In humans it could result in no damage to lung function at all…or less damage…or significantly *higher* damage. We simply don't know for sure because *human studies have not been conducted.* And really, that's my entire point; the long-term safety of inhaling silver into the lungs is simply *unknown*.

Also, it's important to note that these rats were exposed to what appear to be ungodly levels of silver nanoparticles – up to six hours a day in an inhalation chamber.

Even the study authors admit the concentrations of silver nanoparticles used in this animal study were "difficult to relate to human exposures." That usually means they were *excessive*.

So, you can't take the study as "proof positive" that inhaling silver directly into the lungs each day for 90 days is going to be as harmful in humans as it was in the rats.

But then, when a person is nebulizing colloidal silver regularly, is there really any way to know how much might be accumulating in the lungs over time?

Again, *that's* the problem. Without human clinical safety testing, there's no way to know for sure what's going on when you nebulize colloidal silver regularly. At what degree is it safe? And at what degree is it potentially harmful?

To a reasonable observer, the study should confirm my hypothesis that nebulizing colloidal silver is still a *highly experimental* procedure with no significant human safety data behind it, and that if undertaken, it should only be done so with much caution, on a limited basis (if at all) *until more is known*.

Contraindicated for Serious Lung Disease

Finally, it's very important to understand that nebulizing colloidal silver may actually be *contraindicated* for some people with certain serious lung conditions or diseases, or in late-stage COPD or other conditions. So always check with your bona-fide licensed medical practitioner before nebulizing colloidal silver, particularly if you have a chronic lung disease of any sorts.

Nebulizing colloidal silver could actually cause a serious (and perhaps even fatal) decrease in lung function for some people, under certain rare but very possible conditions.

As an article on SilverMedicine.org points out:

> *"If an individual is incredibly weak due to a severe lung condition to the point that breathing is laborious, do NOT use a colloidal silver oxygen nebulizer or humidifier without a fully qualified medical staff present…It is possible that the first treatment could arrest the breathing of the individual being treated."*

Finally, SilverMedicine.org warns never to inhale a silver product that may have been combined with proteins, salts or other chemicals as it could lead to silver poisoning. They don't give any citations for this claim, but it seems reasonable to take it into consideration. In some forms, such as silver nitrate and other silver salts, silver can be very caustic to any soft tissues it comes into contact with.

Please Don't Shoot Me, I'm Only the Piano Player…

I know some of the above opinions will leave me on the outs with many colloidal silver advocates who see nebulizing colloidal silver on a regular basis as a safe and highly

effective way to get more silver directly into the bloodstream, tissues and organs faster and more effectively than using colloidal silver orally.

As I've already pointed out, some colloidal silver advocates – such as Dr. Victor Marcial-Vega – apparently even build the bulk of their upper respiratory treatment program around nebulizing colloidal silver. (Which is fine, as long as the nebulizing is stopped after the treatment proves to be either successful or unsuccessful. It is the *long-term daily* nebulizing of silver that appears to be potentially problematic.)

And as I've also pointed out, at least one colloidal silver generator manufacturer has been building his entire program chiefly around nebulizing colloidal silver, even supplying a cheap nebulizer with his generator and telling people the best way to use colloidal silver is to inhale it directly into the lungs.

I think this is potentially dangerous advice, however, because it encourages people to nebulize colloidal silver *as a matter of course,* rather than only occasionally, on an "as needed" basis, if at all.

In my humble opinion, it is bordering on the irresponsible to recommend inhaling colloidal silver into the lungs as a normal, *everyday* way to use colloidal silver. Doing so tends to negate the highly experimental nature of the procedure, making it seem "mainstream" when indeed it is clearly potentially dangerous until proven otherwise.

My Own Nebulizer Usage

For the record, I've personally nebulized colloidal silver for upper respiratory infections, and generally to good effect. So have other friends and family members. Indeed, on several occasions over the past 10 years nebulizing colloidal silver has kept my wife – who suffers on occasion with a swollen and infected voice box – off the prednisone and antibiotics the doctors like to prescribe.

But as I've emphasized in this article, nebulizing colloidal silver is definitely *not* something I'd do on a regular ongoing basis. Through reason and common sense, I recognize it's a highly experimental procedure with very limited clinical testing behind it, and ZERO human clinical safety data.

Indeed, as I mentioned earlier there have been *no* human clinical safety studies whatsoever. And as you've seen, the limited animal safety data available indicates there's at least a *potential* for silver accumulation in the lungs and perhaps even harm to lung function if silver is inhaled into the lungs on a regular daily basis over a period of months.

And therefore, as an experimental procedure, it's something I would do only gingerly and with great restraint, and with the clear understanding in mind that should I make the

choice to nebulize with colloidal silver, any negative consequences to my body are my *personal responsibility.*

After all, knowing it's experimental should help you understand that when you do it, you're *experimenting* on yourself.

Again, I'm very conservative when it comes to nebulizing colloidal silver. Some would say overly-conservative. So be it. I think that's the prudent course considering the dramatic lack of human safety data available.

When I nebulize, I use only 5 to 10 ppm colloidal silver made with a **Micro-Particle Colloidal Silver Generator from TheSilveredge.com**.

I nebulize colloidal silver *only* when I have an upper respiratory infection that feels like it's about to get out-of-control, or when I feel unusually congested, which is rare.

But I don't overdo it. A five or six minutes at a time, three or four times a day, for a few days in a row, and I'm done. I may not nebulize again for several months or even several years if I don't have any upper respiratory issues to deal with.

Now that's just me. I'm not "prescribing" anything here. I'm just reporting what I do. You have to make your own decisions and take personal responsibility for them.

Other people nebulize colloidal silver much more frequently than I ever would, and longer per session, and to date I haven't heard of *anyone* having any negative consequences. But I always like to err on the side of caution with something like this, until I can see some bona-fide clinical research demonstrating human safety.

If It Ain't Workin' Why Keep Doing It?

Finally, I feel it's important to note that on the very few occasions over the past 10 years that I've nebulized colloidal silver for an upper respiratory condition, it didn't always work.

Sometimes nebulizing colloidal silver was *very* effective. And sometimes it was decidedly ineffective. But in every single case I've been able to tell whether or not it was helping *within the very first day.*

When the procedure proved helpful, I experienced rapid remission of the symptoms of upper respiratory infection and was feeling quite well after using the nebulizer for only two or three days, at most.

And when it did not prove helpful right away, continuing the treatment for additional days did not result in any discernible improvement whatsoever.

This demonstrates to me that when it works, nebulizing colloidal silver is a very effective treatment that does not need to be carried on for weeks or months at a time. And when it *doesn't* work, continuing to nebulize colloidal silver is…well…unnecessary and potentially *obsessive.*

Indeed, if there's no sign of relief in the first few days of nebulizing, I simply recognize it's not helping and I stop using the nebulizer and switch to some other natural health protocol. Or go see my doctor if necessary.

Or, if I get some symptomatic relief, but after two or three days of nebulizing colloidal silver it begins to look like the only way I can *maintain* the symptomatic relief is to keep nebulizing indefinitely on an ongoing basis, then for the sake of safety I quit nebulizing altogether and choose another route, i.e., some other natural health protocol, or even go to the doctor and take the darned antibiotic drugs if I have to.

Responsible v/s Irresponsible Behavior

I'm simply not willing to risk nebulizing colloidal silver for long periods of time, considering the fact that nobody knows for sure whether or not there's a potentially *cumulative* negative effect on the lungs from the tiny silver particles.

For me, the bottom line is that no one really knows if the tiny silver particles being inhaled into the soft tissues of the lungs daily, for long periods of time, can ultimately become embedded in the lungs just like they do in other parts of the body when used to excess.

So, if you're nebulizing colloidal silver for weeks and months at a time to keep a health condition under control, please consider that you may well be engaging in *obsessive and irresponsible* behavior.

Hey, it's your health and well-being that's at stake. So, I'm not telling you what to do. And again, I'm not "prescribing" here, I'm only *reporting*, and I'm pointing out what I feel is abundantly obvious for those with wisdom, common sense and discretion.

Chapter 13: Colloidal Silver Dosages for Dogs and Cats

In an article titled **Colloidal Silver for the Healthiest Pets Ever**, journalist and long-time colloidal silver advocate, Angela Kaelin, offers the following dosage information for dogs and cats, based on anecdotal accounts:

Dosages

This is just a general guideline. Adjust the dosages based on your observation of your individual pet's health.

Dosages are in 5 to 10 ppm concentration colloidal silver and can be administered in your pet's food or water to bring them to optimum health and keep them there.

For Daily Maintenance:

- Kittens: 15 drops per day
- Adult Cats and Small Dogs: 20 drops per day
- Medium Dogs: 1/2 ounce per day
- Large Dogs: 2/3 ounce per day

For Sick Pets:

- Kittens: 15 drops twice per day
- Adult Cats and Small Dogs: 20 drops twice per day
- Medium Dogs: 1/2 ounce twice per day
- Large Dogs: 2/3 ounce twice per day.

Also, give your pet extra colloidal silver before and after any surgeries. Apply colloidal silver topically to any incisions or injuries to prevent infection.

Colloidal silver in your pet's drinking water will boost their immune systems. It is a natural cure for diarrhea and other digestive upsets. It can improve your pet's breath, too.

Unfortunately, a lot of pet dosage recommendations constitute little more than "winging it." In other words, it's *guesswork* based on personal experiences. That's because no one has done the clinical research to determine effective dosages for pets, *or* for humans, for that matter.

So, there's a certain amount of guesswork involved in using colloidal silver to help the body heal infections and disease. And that goes for both pets and for humans.

And why hasn't the research been done?

If you think about it, Big Pharma simply doesn't want us using natural substances (for ourselves *or* our pets) in place of their pharmaceutical drugs.

So, a lot of pet dosage recommendations are simply composed of what people have tried on their own pets, and have written about afterwards.

I generally consider these dosage recommendations to be *general guidelines* one can start with, watching the pet closely to see if the dosage is working, and increasing the dosage gradually and incrementally if it's not working.

Another Set of Dosage Recommendations

As an example, here's a completely different set of dosage recommendations from an article on the **CertaPet** website.

These recommendations are for dogs, but in my personal experience with pets and colloidal silver, this same dosage chart could easily apply to cats, as well, since it goes by body weight, which is the appropriate way to determine a colloidal silver dosage.

Here's what they wrote:

> *Colloidal silver dosage for dogs depends on the size of your dog, rather than their age in years. Medium-sized dogs, for example, need a higher dosage of a colloidal silver solution than smaller dogs.*
>
> *The general guidelines are as follows.*
>
> *Note: All treatments all given 2-3 times per day, for ten days.*
>
> - *2 to 10 pounds – 1/16 teaspoons*
> - *11 to 25 pounds – 1/8 teaspoons*
> - *26 to 40 pounds – 1/4 teaspoons*

- *41 to 55 pounds – 1/2 teaspoons*
- *56 to 80 pounds – 3/4 teaspoons*
- *81 to 100 pounds – 1 teaspoons*
- *101 to 150 pounds – 1 1/4 teaspoons*
- *151 to 200 pounds and over – 1 1/2 teaspoons*

My Thoughts:

When my dogs or cats are visibly sick, I give them considerably more colloidal silver than the above dosage charts recommend – maybe triple the recommended amount (based on body weight) if my dog or cat is visibly ill. And I might stick with this higher dosage level for several days, or even for up to a week if the illness seems to be stubborn.

When my pets are doing well, I still give them colloidal silver daily, but in dosage amounts closer to what's recommended in the above two charts.

The bottom line is that there are no "set" dosages for pets because the research to determine such dosages has not been done.

So pet owners do indeed have to experiment a bit to see which dosage levels work for their own pets, and which do not. That's the unfortunately reality. But the two charts above will give you a good place to start.

More Info on Using Colloidal Silver for Pets

There's quite a lot of information available on the internet about using colloidal silver for pets. Much of it is anecdotal, meaning personal accounts from colloidal silver users who have pets.

For example, here's a short "how-to" video which you might want to watch, about different ways of administering colloidal silver to pets:

- **Video: Administering Colloidal Silver to Pets**

And here are some in-depth articles with detailed testimonials on using colloidal silver for sick pets and other animals:

- **Colloidal Silver for Dogs, Cats, Horses, Reptiles and Other Pets**
- **Comfy Cats, Kitties and Colloidal Silver**

- **Using Colloidal Silver to Prevent Fleas on Dogs and Cats**
- **Using Colloidal Silver to Cure Parvo in Dogs**
- **Colloidal Silver for Chickens, Parrots, Parakeets, Cockatiels, Pigeons, Ducks and other Birds**
- **Colloidal Silver for Healthier Horses**
- **Colloidal Silver for Animals with Upper Respiratory Infections**

If you read through the above articles, you'll certainly know more about using colloidal silver to heal sick pets than 99% of the population. And when you see how few of those over-priced veterinarian bills you'll have afterwards, it will be well worth the effort.

Chapter 14: How to Store Colloidal Silver Correctly for Maximum Potency

Whether you use a commercial brand of colloidal silver, or make your own colloidal silver, how long it remains potent during storage depends a lot upon how you store it.

Incorrect storage of colloidal silver can result in the silver particles falling out of suspension and coating the bottom of your storage container like a fine gray silt.

Here's some quick tips on proper storage of your colloidal silver, so you can enjoy maximum potency no matter how long it's stored…

How do you maximize the longevity and prolong the potency of your colloidal silver batches while they're in storage?

There are three basic factors you need to be aware of:

Factor #1: Bright Light

First and foremost, colloidal silver needs to be stored out of bright light.

That's because prolonged exposure to bright light causes silver particles to oxidize, then lose their electrical charge and fall out of suspension, dropping to the bottom of your storage container.

As the silver particles begin to fall out of suspension, they'll coat the bottom of your storage container with a fine gray silt-like coating.

If you see that gray, silt-like coating covering the entire bottom of your colloidal silver storage container, you know that particular batch of colloidal silver is fast losing potency.

That's because, as more and more silver particles begin to oxidize and drop to the bottom of the container, fewer and fewer electrically-charged silver particles will be left suspended in the water. So when you use the batch, not nearly as many silver particles will be available to kill bacteria, stimulate healing and boost immunity.

That's why most people store their colloidal silver in a dark glass storage container. Most people either use dark amber glass storage bottles with plastic lids (like the one shown in the image at the top of the page), or the colored decorative Ball canning jars like the one shown on **this web page**.

Here's the good news: If your colloidal silver is stored in a dark glass container, it can safely be stored on a kitchen counter top instead of in a dark cabinet, because the dark color on the glass bottle filters out the spectrum of light that causes silver particles to oxidize.

Cobalt blue glass storage bottles can also be used, such as the one to the left.

A lot of people also use old dark-colored wine bottles, Bailey's Irish Cream bottles, or other dark glass bottles to store their colloidal silver.

Some people even use inexpensive glass bottles like **these**, which can be found at Walmart.

You can even wrap duct tape around a clear glass storage container to keep the light out, and store your colloidal silver in that.

If all you have available is a clear glass storage container, one of the simplest solutions is to take a dark sock and pull it up over the container to keep the light out (see a quick "how to" example, **here**).

The bottom line is that prolonged or frequent exposure to bright light can begin to oxidize your silver particles and cause them to fall out of suspension. So to extend the potency of your colloidal silver in storage you should always do your best to keep it protected from exposure to bright light.

A *little* bit of exposure to light, such as when you're pouring some colloidal silver out of the storage container to drink or to apply topically is not going to cause a problem. Again, it's *prolonged* or *frequent* exposure to bright light that causes the oxidation issue.

Factor #2: Temperature Control

Colloidal silver should be stored at room temperature (i.e., between 68-85 degrees), rather than, say, in a garage where temperatures can fluctuate dramatically between daytime and nighttime.

Over the course of time, fluctuating temperatures can cause silver particles to fall out of suspension prematurely, resulting in lost potency. Keeping your colloidal silver stored in a

temperature-controlled climate (such as in a dark cabinet, inside your house) can extend its potency dramatically. Properly stored colloidal silver can remain potent or *years*.

As an aside, ***never*** **store colloidal silver in the refrigerator**. That's because the silver particles are in a state of Brownian Motion, which simply means they repel each other in the water. This Brownian Motion helps keep your silver particles from clumping together (i.e., agglomeration) and becoming too heavy to remain in suspension.

Indeed, if you could see the billions of submicroscopic silver particles suspended in the water, it would have the appearance of an elaborate (but erratic) dance, with silver particles appearing to collide or near-collide with each other, and then being repelled away from each other, over and over and over again, many times per second.

That's because the positive electrical charge on each silver particle causes the particles to repel from each other, just as trying to touch the positive ends of two magnets causes them to repel from each other. So the silver particles in your batch of colloidal silver are constantly moving, quite literally every second.

Visually, think of an elaborate ballet with a dozen ballet dancers on stage all weaving in and out between each other in synergism, and you'll pretty much get the picture.

But cold temperatures such as those from a refrigerator will cause that Brownian Motion "dance" to slow down dramatically, which in turn will allow silver particles to begin falling out of suspension.

The bottom line is to keep your colloidal silver batches stored at room temperature, and let the "dance" (i.e., Brownian motion of the suspended silver particles) continue.

Factor #3: Electro-Magnetic Influences

If possible, your colloidal silver should also be stored three or four feet (or more) away from strong electro-magnetic influences such as a microwave oven, or even from a set of large stereo speakers with large magnets in them.

That's because prolonged exposure to strong electro-magnetic influences can, over time, disrupt the potency of a batch of colloidal silver.

This is probably the least worrisome of storage problems. But it's another factor that colloidal silver users have found in the past to influence the longevity and potency of their colloidal silver batches.

Another Important Factor

Of course, there are a number of other factors that can influence how long a batch of colloidal silver will remain potent while in storage.

One of the most important factors is the quality of the water that was used to make the colloidal silver batch.

Only ***steam distilled water*** should be used when making colloidal silver, because all other forms of water have loads of mineral content in them. And over time, the mineral content can rob your silver particles of their electrical charge, causing them to fall out of suspension.

Even water produced by reverse osmosis still has too much mineral content in it for making high-quality colloidal silver.

This is important to understand, because if you fail to make your colloidal silver with steam-distilled water, over time the excess mineral content in the water will begin to bond with the electrically charged silver particles and rob them of their electrical charge, causing them to fall out of suspension.

So if you're making batches of colloidal silver and you're keeping them properly stored as I've explained above, but you're *still* having problems with silver particles falling out of suspension while in storage, then you're likely having a problem with mineral content in your water, and you need to make sure you're using a good, high-quality brand of steam-distilled water.

The Bottom Line

The bottom line is that colloidal silver will retain full potency quite literally for *years* if it's made properly, and stored properly. If not, it will only retain potency for a few months at best before beginning to fall out of suspension and coat the bottom of the storage bottle.

I have a quart of homemade colloidal silver in my cabinet that's nearly five years old now, and it's still just as potent as the day I made it. But that's because it's stored in a dark glass bottle…it's stored indoors at room temperature…it's stored away from powerful electro-magnetic influences such as a microwave oven…and it was made with very high-quality steam-distilled water.

Chapter 15: How Long Will Homemade Colloidal Silver Last Before It Begins to Lose Its Potency?

Tens of thousands of people throughout North America and around the world now make their own home-made colloidal silver using colloidal silver generators.

They do so for many reasons, but chiefly because you can make an entire *quart* of fresh, pure colloidal silver for about 36 *cents* or less with a high-quality colloidal silver generator, rather than paying a whopping $20 or $30 for a comparatively tiny, four-ounce bottle of store-bought colloidal silver.

By far the #1 question I get from users of colloidal silver generators is this: *How long will a batch of homemade colloidal silver last before it begins to lose its potency?*

Rule of Thumb

If you know what sign to look for, colloidal silver will *tell you* when it's beginning to lose potency. The general rule of thumb is to watch for precipitation of silver particles in your storage container.

"Precipitation" means the silver particles are beginning to fall out of suspension in the solution. The resulting residue will begin to visibly coat the sides or bottom of your storage container. That is the sure sign that your batch of homemade colloidal silver (or even store-bought colloidal silver, for that matter) is beginning to lose its potency.

All you have to do is examine your storage container to see whether or not a light silver-gray residue is beginning to form on the sides or bottom of the container.

If you're using a dark glass storage container, such as the amber glass bottles many people like to store their homemade colloidal silver in (see photo above), you may have to hold the bottle up to a bright light, or shine a flashlight through it, and carefully examine the sides and bottom.

If you see a coating or discoloration beginning to form on the glass sides or bottom, then you know your silver particles are beginning to precipitate, the batch is losing its potency, and it's time to make a fresh batch.

Otherwise, if there is no visible residue forming in your storage container, your homemade colloidal silver is likely as fresh and potent as the day you made it.

Why Do Silver Particles Fall Out of Suspension?

There are a number of reasons for the precipitation of silver particles.

For example, if your colloidal silver generator is producing overly large silver particles, you will often see premature precipitation of the silver particles in your storage container. The more silver-gray residue you see beginning to coat the sides or bottom of your storage container, the weaker in potency your homemade colloidal silver solution is becoming.

Also, it's important to note that using salt or baking soda or other additives to boost the speed of the colloidal silver-making process will add to the overall size and weight of the silver particles (due to agglomeration of the particles into larger particle clusters). This will ultimately cause your silver particles to precipitate prematurely and begin forming a residue on the sides or bottom of your storage container. Once again, this is a sure sign that your batch of homemade colloidal silver is beginning to lose its potency.

What's more, if your storage container is exposed to excessive heat or excessive cold or even excessive sunlight or other bright light for prolonged periods of time, then precipitation of the silver particles could begin taking place.

The bottom line is that any time you can see that your silver particles are precipitating out of the solution and coating the bottom or sides of your storage container, then it's time to make a fresh, new batch of colloidal silver. It's that simple.

Over 3 Years, With Zero Precipitation

The new **Micro-Particle Colloidal Silver Generator** produces silver particles so small and so stable in solution, there is generally no precipitation whatsoever – even after months or *years* of storage.

As an experiment, I've stored a quart of micro-particle colloidal silver in my kitchen cabinet for over three years now, and there is still *zero* precipitation of the silver particles – meaning it is still as fresh (and potent) as the day I made it.

That can't be done with most homemade colloidal silver, because quite frankly most colloidal silver generators produce excessively large silver particles. Premature precipitation of the silver particles is generally the rule rather than the exception with batches of colloidal silver produced by conventional colloidal silver generators.

Only true micro-particle colloidal silver, such as that produced with a new Micro-Particle Colloidal Silver Generator from **www.TheSilverEdge.com**, maintains its freshness and potency for months or even years on end.

A Perfect Example

Some time back my wife and I had attended the Mega Book Marketing Conference in Los Angeles with multi-best-selling author Mark Victor Hansen.

Unfortunately, after the second day at the conference, I began to come down with a bad case of the sniffles. Within hours I was completely congested. My nose and ears were clogged, and a sore throat was starting. I knew a nasty cold was coming…fast.

Mark's conferences are always enlightening, but they can be grueling. They generally run from 9am to 9pm every day for three days straight, at breakneck speed and intensity, and with only a few well-timed breaks throughout the day and evening. I knew that if I wanted to finish the conference, I had to stop this cold dead in its tracks, pronto.

So, I immediately left the conference and went up to my room and dug through my suitcase looking for the container of freshly made colloidal silver I always bring with me on long business trips. Unfortunately, in my haste to leave for the conference I had failed to bring it. It was sitting home on the kitchen counter.

The only colloidal silver I had was some micro-particle colloidal silver I had stored in an old glass bottle with a plastic pump spray lid, that had been in my travel shaving kit for the past nine months.

Naturally, I was concerned that the colloidal silver wouldn't stand a chance against my fast-developing cold, due to the poor storage conditions and the age of the batch. But when I checked it closely by shining a flashlight into the bottle, there was no precipitation of the silver particles whatsoever.

Most importantly, when I tried it, it worked like a charm. I drank several ounces, put several drops in each of my eyes and ears at bedtime (many infections enter the body at the eyes and ears) and used the spray pump to spray some colloidal silver into my throat while inhaling deeply at the same time in order to get the micro-particle silver solution down into my lungs (kinda like a makeshift nebulizer).

By the next day, I was feeling much better and was able to continue through the conference with no more sniffles, congestion or sore throat. The homemade micro-particle colloidal silver that had been stored in my shaving kit (from a previous road trip) for over nine months worked just as well as any freshly-made colloidal silver.

That's the beauty of owning a colloidal silver generator that produces true silver micro-particles. Loss of potency is practically non-existent because of the remarkable stability of the very tiny, sub-microscopic silver particles.

Chapter 16: The Micro-Particle Colloidal Silver Generator: The World's #1 Best-Selling Colloidal Silver Maker

Now, you can make your own absolutely awesome, therapeutic-quality colloidal silver… for about 36 cents a quart (no kidding!)…with a brand new high-quality Micro-Particle Colloidal Silver Generator from The Silver Edge…

You probably didn't realize it, but for years, commercial colloidal silver vendors have been ripping you off! The colloidal silver in the tiny four-ounce bottles they sell you for $30 or more costs them only about twelve cents to make!

But now, with a brand-new Micro-Particle Colloidal Silver Generator, you can make your own safe, pure, high-quality *micro-particle* colloidal silver for about *36 cents a quart!*

Compared that to typical health food store prices of $20 to $30 for a tiny 4-oz. bottle, and you'll see that the first one or two batches you make with your new Micro-Particle Colloidal Silver Generator *more* than pays for the entire cost of the generator! Do you know of any other health product that literally pays for itself virtually *the very first time you use it?*

What's the Cost?

The Micro-Particle Colloidal Silver Generator normally costs $349.95. But for the *next 10 days* it's on sale for only $249.95 – a whopping $100 savings!

What's more, the generator comes with a set of pure .9999 fine silver rods that will last you a full year or two (depending upon how often you make colloidal silver).

And your set of silver rods will allow you to make an astonishing *$24,000 worth* of high-quality colloidal silver, or more, based on typical health food store prices of $20 to $30 for a tiny four-ounce bottle.

(After about a year or more, you'll need to obtain a new set of silver rods for about $35, which will allow you to make *another* $24,000 or more worth of colloidal silver. And you can repeat this for the rest of your life!)

The savings are absolutely awesome!

Indeed, you'll save *literally thousands of dollars per year* by making your own colloidal silver with your new Micro-Particle Colloidal Silver Generator from The Silver Edge!

You'll be able to make high-quality colloidal silver so inexpensively you'll be able to *give it away freely* to sick friends, relatives, co-workers, loved ones and more.

Heck, you can even afford to *bathe* in it. In fact, many of our customers simply throw a quart of micro-particle colloidal silver into the bath water and soak in it while bathing, in order to take advantage of its many beneficial healing effects on the skin!

And many people (including me) even use it in their hot tubs or Jacuzzis, in place of harsh chemicals such as chlorine or bromine (just add a quart a week, and say goodbye *forever* to toxic chemicals)

Of course, those are things you *can't do* if you're paying through the nose for your colloidal silver at health food stores or through online vendors. It's just too darned expensive.

But when you can make your own high-quality colloidal silver for just *36 cents a quart* using a Micro-Particle Colloidal Silver Generator, you can use colloidal silver for astonishing number of purposes you've probably never even thought of (but we'll tell you about on this site).

Order Now

As Close to Being "Cost Free" As You Can Get!

Obviously, having the ability to make your own colloidal silver for only pennies per quart is about as close to being "cost free" as you can get.

Best of all, you'll never have to pay those exorbitant health food store prices again! When you order your new Micro-Particle Colloidal Silver Generator, all you have to supply is a one-quart, wide-mouthed glass canning jar (or a simple glass mayonnaise jar) and the distilled water, which is about a dollar a gallon or so at your local supermarket or at Walmart!

And as I mentioned above, about once every year or two (depending upon how often you make colloidal silver) you'll have to spend $35 to replace the set of pure .9999 fine silver rods that comes with your new generator.

(Additional sets of pure silver rods can be purchased inexpensively, at any time, directly from The Silver Edge. Click **here** to see our silver wire price chart.)

That's it. That's your entire investment. It works out to about *36 cents a quart* for the rest of your life! And because this amazing little device uses only a fraction of a single watt of electricity, it takes less power to run it than a tiny single Christmas tree bulb!

It's like being able to make colloidal silver virtually FREE for the rest of your life!

Order Now

Look How Easy It Is to Use!

The Micro-Particle Colloidal Silver Generator is so simple to use, anyone can make high-quality micro-particle colloidal silver *for less than 36 cents per quart!* In fact, we have 80-year old grandmothers who make their own colloidal silver (see **testimonials**)!

And they wouldn't give up their Micro-Particle Colloidal Silver Generators for anything! That's because, unlike conventional colloidal silver generators that include complicated dials, buttons and switches you have to constantly adjust, the Micro-Particle Colloidal Silver Generator is built for *simplicity* and *ease of use*.

There are no switches. No buttons. No complicated dials or adjustments. You just plug it in and let it run. In fact, if you can use an electric coffee pot, you're qualified to use a Micro-Particle Colloidal Silver Generator to make your own high-quality colloidal silver whenever you want. Here's how truly simple it is to use:

It's really *that* easy! You just "Set it, and forget it."

And you get a perfect batch of high-quality micro-particle colloidal silver *every time*! When you're finished, you'll have a full quart of high-quality micro-particle colloidal silver. And you can make quart after quart for the rest of your life, *for less than 36 cents each!*

Why should you ever again pay $20 to $30 for a tiny, four-ounce bottle of colloidal silver at the health food store, when you can make your own *superior*-quality micro-particle colloidal silver for just pennies per quart so quickly and easily?

But in order to take advantage of the special, introductory $100 discount mentioned above, you must act *within the next 10 days*! You can order online, or by phone. The details are below…

Order Now

The World's #1 Best-Selling Colloidal Silver Generator!

The new Micro-Particle Colloidal Silver Generator has been the world's #1 best-selling colloidal silver generator for nearly a decade. No other colloidal silver generator comes close.

Here are just a few reasons why you should own one…

- ✓ It pays for itself after your very first batch or two – your total cost to make your first quart is about *36 cents*, compared to the $240 you'd pay at a health food store if you bought an equivalent amount (i.e., eight of those little 4-ounce bottles they normally sell for $30 apiece)!
- ✓ It's safe and simple to operate…No special skills needed…You just set the handy timer, plug it in, walk away, and three hours later you have a perfect batch of therapeutic quality micro-particle colloidal silver…every time!
- ✓ It produces uncommonly small silver micro-particles as low as .8 nm. That's a fraction of a single nanometer. Compare that to health food store colloidal silver which can contain silver particles as large as 200 to 1,000 nm (or even larger), and you'll see why micro-particle colloidal silver is the very best there is! Smaller particles mean your body can absorb and utilize up to 99% of the colloidal silver you take, compared to maybe 30% to 50% with many health food store brands. So, you'll never again need to take high concentrations of colloidal silver in order to get it to work!
- ✓ It runs on standard household electricity, but uses less power than a tiny Christmas tree bulb – you won't even see a blip on your electric bill!It produces uniform, crystal clear batches every single time that store for months, or even years, without losing potency!

- ✓ It cannot produce silver chloride or unsafe substances – you get pure, therapeutic-quality micro-particle colloidal silver every time!
- ✓ In short, there's nothing else like it on the market today. It's quite literally the world's most unique and astonishing breakthrough in colloidal silver-making technology.

As Close to "Dissolved" Silver Particles as You Can Get!

It's important to understand that while the silver particles produced by a standard colloidal silver generator can usually be seen under an electron microscope at about 20,000x magnification, it requires a whopping *175,000x magnification* using a multi-million-dollar Transmission Electron Microscope to see the silver particles produced by a Micro-Particle Colloidal Silver Generator.

In other words, the silver particles produced with a Micro-Particle Colloidal Silver Generator are about 750% smaller than standard colloidal silver particles, which means they're *hundreds* of times more bioavailable than conventional colloidal silver products.

Indeed, they're just about as close to "dissolved" silver particles as you can get, which means you get nearly 100% bioavailability (i.e., absorption, utilization and excretion), compared to health food store brands in which bioavailability might be as low as 10-40% or lower due to overly-large silver particles!

Perhaps now you can see why there are more of these ingenious little devices being sold every month than any other colloidal silver generator in the world today!

The Micro-Particle Colloidal Silver Generator runs on standard 110 volt household power (you simply plug it into any convenient grounded household wall outlet, just like you'd plug in a toaster), which is then automatically "stepped down" with a built-in transformer to a safe, low-voltage DC current.

And unlike most other colloidal silver generators, the Micro-Particle Colloidal Silver Generator gives you a perfect, *uniform* batch of high-quality micro-particle silver every time.

Order Now

FDA Report: Larger Silver Particles Are Less Bioavailable; Smaller Silver Particles Are More Bioavailable

According to the FDA's National Center for Toxicological Research Annual Report for 2011, in animal studies conducted by the agency only *limited* absorption of silver particles was observed when the silver particles were relatively large.

However, as the silver particle size decreased, *absorption increased proportionately*.

According to the report:

> *"Silver nanoparticles are highly effective antibacterial agents, and this property of silver nanoparticles is being exploited in an expanding number of commercial and consumer products…During fiscal year 2011, Division investigators examined the effect of the size of silver nanoparticles on the bioavailability, tissue distribution, metabolism, and clearance in rats. The results indicated that, after oral administration, only limited absorption occurs, with the extent of absorption increasing as the size of the [silver] particles decreased."*
>
> ***— FDA National Center for Toxicological Research Annual Report, 2011, page 19***

Yes, only the smallest of silver particles were bioavailable when the FDA tested them on animals. That's because the body has a difficult time absorbing and utilizing larger silver particles.

That's why The Silver Edge stopped selling all other types of colloidal silver generators many years ago, and focused solely on the new Micro-Particle Colloidal Silver Generator.

All studies we've seen on antimicrobial *effectiveness* as well as the *bioavailability* of silver demonstrates that the smaller the silver particles ingested, the easier it is for the body to absorb and utilize them and the more effective they are against pathogens.

Larger silver particles are treated by the body much as eating dirt would be treated, i.e., they go in one end and out the other. They are of no nutritional value, from a perspective of bioavailability. But the body is able to absorb and utilize *smaller* silver particles with relative ease. That's why it's so important to focus on silver *particle size* over the concentration of silver in the solution (i.e., "PPM").

What's more, clinical study after clinical study has demonstrated that the smaller your silver particles are, *the more effective they are against pathogens*!

Too many people think higher concentration, or "ppm," means greater efficacy of the colloidal silver solution. But if the silver *particles* are overly large – as they usually are with

concentrated colloidal silver solutions – then bioavailability of that solution can be next to worthless.

The Micro-Particle Colloidal Silver Generator produces the smallest silver particles of any colloidal silver generator on the market we've yet seen, i.e., as low as .8 nm – a fraction of a *single* nanometer! These are *uncommonly small* silver particles, even when compared to those found in some of the most popular bottled brands of colloidal silver. So you can take *less* colloidal silver, and get *more* benefit!

See the laboratory slide at **this link** for a visual comparison of tiny silver micro-particles v/s conventional silver particles. Or, learn more about ppm (concentration) versus particle size at **this link**.

Order Now

You No Longer Need to Take High Concentrations!

Each three-hour batch of micro-particle colloidal silver produces a concentration of approximately 7-10 parts per million (ppm), using a one-quart container.

And while higher concentrations can be obtained simply by letting the generator run longer, one of the major benefits of this unit is that because of the phenomenal bioavailability (i.e., absorption, utilization and excretion) of micro-particle colloidal silver, you no longer have to take high *concentrations* of colloidal silver to achieve the desired results!

You see, "micro-particle" simply means that the tiny particles of silver suspended in the solution are more finely divided than standard colloidal silver particles. This is *very* important to understand, because it means that micro-particle colloidal silver can actually provide up to 750x more silver particles per dose (or even more), than a similar batch of standard colloidal silver.

And *that* means you can take smaller, less concentrated doses, and still get far more of the electrically charged silver particles working in your body! In other words, you get all of the benefits of standard colloidal silver, without all of the risks of having to take high concentrations!

Let's say, for example, that you would normally take a one ounce shot glass full of a 20 ppm concentration of standard colloidal silver, as an integral part of your daily vitamin/mineral supplement regimen. With micro-particle colloidal silver, you could drink one ounce of a lower 10 ppm concentration (i.e., 50% of your normal silver concentration), and you'd still get *hundreds of times* more silver particles to work against pathogens in your body!

That's because the silver particles are so much smaller. You get more, even when you drink less! In short, with the Micro-Particle Colloidal Silver Generator from The Silver Edge, *less* truly is *more*. And that's simply because the silver particles are more finely divided.

It's amazing, I know. But it's absolutely true! And no other colloidal silver generator on the face of the earth allows you to make such small and thoroughly bioavailable silver particles!

But thanks to an astonishing new breakthrough in colloidal silver-making technology, the new Micro-Particle Colloidal Silver Generator allows you to produce *true* micro-particle colloidal silver – quickly and easily, in the comfort and privacy of your own home – *for about 36 cents a quart!*

Order Now

How It's Done

Creating sub-microscopic silver micro-particles with a standard *low-voltage* DC-current colloidal silver generator was initially thought to be impossible.

But The Silver Edge discovered it can be done, *if* you utilize a slower and more stable rate of silver particle production than what is normally used, while simultaneously eliminating excessive electrical conductivity in the water during the entire colloidal silver-making process.

To accomplish this, you must be able to achieve five specific goals:

One, you must start the colloidal silver-making process with virtually mineral-free, non-conductive water, which means using pure, high-quality steam-distilled water only.

Two, you must be able to slow the rate of silver particle production by significantly reducing the generator's voltage-to-amperage ratio;

Three, you must be able to prevent the agglomeration (i.e., bonding) of silver particles into larger particles by constantly aerating and agitating the water (i.e., bubbling).

Four, you must be able to prevent the "bridging" of silver particles between the two silver electrodes.

And five, you must be able to dramatically limit the buildup of electrical conductivity within the solution during the entire colloidal silver-making process.

Here's how the new Micro-Particle Home Colloidal Silver Generator achieves these five specific goals, with the result that staggeringly small silver micro-particles as low as **.8 nm** in size can now be produced with a simple, easy-to-operate, low-voltage DC-current colloidal silver generator:

- ✓ **Built-in water resistance tester** for making sure your water is non-conductive enough to produce silver micro-particles – The built-in water resistance tester in the new Micro-Particle Colloidal Silver Generator allows you to know immediately whether the water you are using is superior non-conductive steam-distilled water, or inferior mineral-laden and highly-conductive water.

If, at the very start of the colloidal silver-making process the green light on the Micro-Particle Generator box glows brightly, then the water is too highly mineralized (i.e., too conductive) for making silver micro-particles.

If the green light on the box glows only dimly or even not at all, then you can rest assured that the water has low-to-no mineral content (i.e., extremely low conductivity) and is thus *perfect* for making silver micro-particles.

In short, the built-in water resistance tester allows you to know *right from the start* whether or not the distilled water you are using is of a sufficiently high-quality to produce silver micro-particles. To our knowledge, no other colloidal silver generator on the market today provides you with this crucial benefit.

- ✓ **Slower rate of production** – One of the most overlooked rules of making high-quality colloidal silver is that the faster your unit produces silver particles, the larger they'll tend to be. Most standard colloidal silver generators are calibrated for greater speed of colloidal silver production, rather than for smaller particle size. The significantly higher voltage-to-amperage ratio used in standard colloidal silver generators literally "blows" chunks of silver off the positive silver electrode, rather than allowing very tiny particles to slowly trickle off.

This automatically produces silver particles that are frequently too large for the human body to properly utilize. What's more, as these larger silver particles accumulate in the solution during the colloidal silver-making process, they vastly increase the electrical conductivity of the solution. This in turn increases the speed at which silver particles leave the positive silver electrode, which results in even *larger* silver particles entering the solution.

In other words, it is a vicious cycle of ever-increasing particle size. This is why the new Micro-Particle Colloidal Silver Generator utilizes a significantly longer running time (3 hrs.) for colloidal silver production, at a fraction of the voltage-to-amperage ratio used by the manufacturers of most standard colloidal silver generators.

By dramatically reducing the voltage-to-amperage ratio, the silver particles merely *trickle* off the positive silver electrode at a much slower rate and at a dramatically smaller particle size *right from the start*. And they stay that way throughout the entire three-hour colloidal silver making process!

- ✓ **Built-in aerator (i.e., bubbler)** – The built-in aerator keeps the water fully aerated and agitated during the entire colloidal-silver making process. This has a very important three-fold purpose:

First, the constant aeration and agitation of the water during the entire colloidal silver-making process helps prevent the agglomeration (i.e., bonding) of silver particles as they leave the positive silver electrode.

With standard colloidal silver generators, the silver particles tend to accumulate in the water not far from the positive silver electrode, because there is no agitation of the water to cause their wider dispersal. From the very outset of the colloidal silver-making process this fosters particle agglomeration (i.e., the formation of larger silver particles through particle bonding).

But with the new Micro-Particle Colloidal Silver Generator, the silver particles are *immediately* dispersed into wide circulation within the solution by the bubbling action of the built-in aerator. This makes it virtually impossible for silver particles to accumulate near the positive silver electrode and form larger particle agglomerates.

Once the individual silver particles are dispersed throughout the solution, the positive electrical charge they carry becomes dominant, and they go into Brownian motion. In

other words, from that point forward they are able to *repel* each other and remain suspended in the solution indefinitely without agglomerating!

Secondly, the constant aeration of the water helps break up the electrical "bridging" that always takes place between the positive and negative silver electrodes. "Bridging" simply means that silver particles tend to get caught in the electrical interplay between the two silver rods, and accumulate there, forming larger particle agglomerates that are difficult for the body to utilize. This is one of the biggest problems with standard colloidal silver generators.

But the Micro-Particle Colloidal Silver Generator solves this problem *completely* by aerating and agitating the water constantly during the entire colloidal silver-making process. The "bridging" between the two silver electrodes is thereby broken up completely, and the resulting particle agglomeration is eliminated.

While some manufacturers of colloidal silver generators utilize a clumsy motorized stirring mechanism to accomplish this, no other colloidal silver generator we know of does so as efficiently and effectively as the new Micro-Particle Colloidal Silver Generator with its built-in aerator.

Third, the constant aeration of the water prevents excessive electrolysis from building up in the solution. This is important, because when using a standard colloidal silver generator, the electrical conductivity of the entire colloidal silver solution is increased dramatically as more silver particles enter the water. In turn, this increased electrical conductivity causes additional silver particles to be drawn from the positive silver electrode at a faster rate and at a significantly larger size.

But because the new Micro-Particle Colloidal Silver Generator keeps the *entire* colloidal silver solution super-aerated during the colloidal-silver making process, the buildup of excessive electrical conductivity is dramatically mitigated.

Why? *Because air is one of nature's least conductive elements*. Super-aerating the water prevents excessive electrical conductivity from building up, which in turn prevents additional silver particles from being drawn from the positive silver electrode at an excessively fast rate that results in overly-large silver particles.

Only the **Micro-Particle Colloidal Silver Generator** offers you this highly beneficial innovation!

Finally, there's one more *very* special benefit from aerating the water during the colloidal silver-making process: Highly oxygenated silver particles work up to 200% better against pathogens!

You see, like the mineral iron, silver is one of nature's most efficient carriers of nascent (i.e., atomic) oxygen. And one of the main ways colloidal silver kills pathogens is through a process called catalytic oxidation. This means silver releases pure oxygen in the presence of pathogens, disabling them much like the bubbling burst of hydrogen peroxide.

As Richard L. Davies and Samuel F. Etris of The Silver Institute in Washington, DC have pointed out:

> *"It has long been known that oxygen is adsorbed on the surface of silver in its atomic state. Also, that oxygen diffuses more freely within silver than within any other metal.*
>
> *Ronald Outlaw, working at NASA/Langley…discovered the most prolific source of nascent oxygen to be metallic silver. Atomic oxygen fits very well in the octahedral holes of gold, silver, and copper. In gold, the electron cloud of oxygen tends to be repelled by the lattice electrons of the gold atoms stopping movement through the holes. With copper, the oxide is formed resulting in a barrier.*
>
> *Silver, with an almost a perfect fit, offers so little repulsion that a little thermal energy will readily move it from hole to hole…Molecular oxygen is present and silver readily adsorbs it converting it to nascent oxygen which is available to oxidize bacterial enzymes and other organics. Their reaction with the atomic oxygen is instantaneous."*

In short, silver and oxygen go together like peanut butter and jelly!

This is why Dr. Stephen West, DL, PMD (son of Dr. C. Samuel West, DN, ND, renowned chemist and internationally recognized lymphologist), concludes, "*Silver ions stimulate the lymphatic system by cleaning out the dead cells and bringing oxygen to the healthy cells.*"

Comes With Everything You Need to Get Started Immediately!

What's more, your new generator is completely portable, simple to use, and comes with everything you need to begin making colloidal silver *immediately*, including:

- ✓ Brand new Micro-Particle Colloidal Silver Generator – the world's #1 best-selling colloidal silver generator that allows you to make quart after quart of high-quality micro-particle colloidal silver for under 36 cents apiece, for the rest of your life!

- ✓ One set of pure .9999 fine silver rods (12 gauge) which should last you for a year or longer and make well over 100 quarts (i.e., three thousand two hundred ounces!) of colloidal silver under normal twice per week usage. That's over $24,000 worth of colloidal silver from a single set of silver rods. (Additional silver rods can be purchased inexpensively whenever needed; see this link for more details.)
- ✓ FREE handy plastic zipper pouch carrying case for easy storage and travel convenience!
- ✓ 16-page Printed Operating Instructions Guide, plus handy tips on making & using colloidal silver!
- ✓ Video Operating Instructions Guide, for those who are more visual oriented and want to see a demonstration!
- ✓ In-depth 16-page "Most Frequently Asked Questions & Answers About Making & Using Colloidal Silver" Guide
- ✓ Automatic timer; you just "set it and forget it." And you get a perfect, uniform batch of high-quality micro-particle colloidal silver every time!

Plus, your purchase is covered by:

Risk-Free, 30-Day Money-Back Guarantee: Try your new Micro-Particle Colloidal Silver Generator for a full 30-days. Make all of the one-quart batches of high-quality colloidal silver you want. You can easily make 20 or 30 or even 40 quarts in that time.

And if you're dissatisfied for *any* reason, call us at **1-888-528-0559** *by day 30* for a return authorization number, and we'll refund the cost of the generator in full upon its return to us.

One-Year Limited Warranty – You can rest easy because each Micro-Particle Colloidal Silver Generator is built to last for a lifetime, and is fully warranted against defects in parts and workmanship for *one full year.* If it fails to work for any reason (i.e., short of abuse – they are extremely rugged, but not indestructible) we will fix it or replace it, at our option.

The only thing you'll need to supply is your own steam-distilled water (available at any supermarket, or at Walmart for about a dollar a gallon) and your own wide-mouthed one-quart jar (a simple Ball canning jar works perfectly).

We supply everything else you need to produce high-quality micro-particle colloidal silver for the rest of your life.

Unlike the cheap little “throwaway” generators and “mudmakers” offered by other companies, these sturdy Micro-Particle Colloidal Silver Generators are made of the highest quality materials and electronics. And they’ve been built to last for a lifetime. You’ll probably end up willing your new generator to your children or grandchildren someday, if you don’t buy them one first!

But you must act *within the next 10 days* to reap this very special introductory $100 savings and get your new Micro-Particle Colloidal Silver Generator for only $249.95 instead of the usual $349.95!

So please act quickly and decisively while this very special money-saving offer is still available. Just click the “Order Now” button below. Or, pick up your phone and call the toll-free 800 number below during regular business hours and let our friendly Customer Service representatives assist you.

Order Now

1-888-528-0559 (M-F, 8 am to 4 pm, Arizona time)
(Your new generator will ship within two days, and takes up to a week to arrive for most U.S. locations.)

Chapter 17: $24,000.00 Worth Of Colloidal Silver For $35

Yes, you really can make $24,000.00 worth of high-quality colloidal silver from a single six-inch set of .9999 pure silver rods costing only $35…using a Micro-Particle Colloidal Silver Generator!

It's the dirty little secret commercial colloidal silver vendors don't want you to know. But it's absolutely *true* – a typical 4-ounce bottle of colloidal silver at health food stores contains only about four or five *cents* worth of ingredients.

Can You Spell R-I-P-O-F-F?

That's right…five lousy cents worth!

In other words, *the actual* cost of the silver and the purified water in a tiny, four-ounce bottle of colloidal silver is about a nickel – that's a little bit over a penny per ounce! Yet health food stores and online vendors mark-up those tiny four-ounce bottles to a whopping $20 or $30. That's an astonishing 60,000% mark-up!

And vendors get away with charging these exorbitant mark-ups simply because colloidal silver is so darned *effective*.

You see, people are willing to pay *through the nose* for colloidal silver at health food stores because it's natural and it heals infections and prevents the spread of germs and disease faster and better than *anything* else on the planet.

So, commercially speaking, the retail price of colloidal silver at health food stores reflects its *value to the consumer* far more so than its true cost to produce.

Ripped Off No More!

Order Now

But with a single set of .9999 pure silver rods costing $35, and a Micro-Particle Colloidal Silver Generator from The Silver Edge, you can do exactly what the health food stores do:

You can make high-quality colloidal silver for just *a few pennies* per batch – so cheap, you can literally afford to give it away to friends, family members, co-workers and others!

In fact, you can make *quart* after *quart* after *quart* of high-quality colloidal silver for about 36 cents per quart, allowing you to use colloidal silver freely for hundreds of healing and potentially life-saving purposes!

Of course, you get one FREE set of .9999 pure silver rods with your Micro-Particle Colloidal Silver Generator. And that set will allow you to make an astonishing $24,000 worth of high-quality colloidal silver, based on typical health food store prices!

But as you'll see below, you should stock up on pure silver rods or bulk rolls *now* while we've got it on sale, and before the price of pure silver leaps any higher.

Make Over $24,000 Worth of Colloidal Silver!

Each single set (i.e., two, six-inch strips) of .9999 pure silver rods costs only $35, and should last you for at least *one full year* under normal twice-weekly usage with a Micro-Particle Colloidal Silver Generator from The Silver Edge.

This works out to a little over 25 gallons worth of high-quality colloidal silver in a year. Yes, that's a whopping 3,200 ounces of colloidal silver from a *single* $35 set of our pure silver rods!

If you paid health food store prices for those 3,200 ounces (averaging $7.50 per ounce), that would be an astonishing $24,000 worth of colloidal silver – all from *a single set of .9999 pure silver rods costing only $35*!

What's more, if you're like me and you believe in stocking up for emergencies (or to save money in the long run), you can obtain as many convenient *pre-cut* single sets of .9999 pure silver rods as you want for *only $35 each*.

Or, you can buy bulk rolls of the .9999 pure silver in 5 foot, 10 foot or 20 foot lengths and *save up to an additional 30%.* You simply use a pair of tin snips to cut your own silver rods to length.

That way, you'll be stocked up *for life* with silver rods for making your own high-quality colloidal silver with a Micro-Particle Colloidal Silver Generator. You'll never have to worry about running out, or finding new silver rods in an emergency.

And if a national crisis or health emergency strikes, you'll be able to produce *hundreds* and *hundreds* of one-quart batches of colloidal silver for family members, friends, neighbors, co-workers, and more. There's no telling how many lives you might benefit during an extended emergency when you have the ability to make as much healing (and potentially life-saving) colloidal silver as you need!

See our handy price chart below. And by the way, we sell *only* the thicker 12 gauge silver rods and not the thinner 14 gauge silver rods most other vendors sell! The higher the gauge number, the thinner the wire. Other vendors don't want you to know this fact because our thicker 12 gauge silver rods lasts 35% longer than their thinner 14 gauge silver rods!

Order Now

Save Up to 30% on Bulk Rolls of 5, 10 or 20 Feet!

Silver prices are skyrocketing. And there's no telling how expensive .9999 pure silver is going to be six months or even six weeks from now. That's why I strongly recommend stocking up *right away*, while you can still get so much, for so little!

For example, check out these great deals, available from The Silver Edge – available *for the next 10 days only*:

5 Foot Roll – You can get a five foot roll of .9999 pure 12 gauge silver wire for *only $150*. This reduces your cost from the usual $35 per foot to *only $30 per foot*, and should last you for five years and make over 125 gallons (i.e., 16,000 ounces) of high-quality colloidal silver under normal usage! That's an astonishing $120,000.00 worth of colloidal silver at today's standard health food store price of $30 for a tiny four-ounce bottle.

Again, we know it sounds too good to be true. But check prices at your local health food store, and then do the math and see for yourself how much money you'll save by making your own colloidal silver!

10 Foot Roll – You can get a 10 foot roll of .9999 pure 12 gauge silver wire for *only $270*. This reduces your cost from the usual $35 per foot to *only $27 per foot*, and should last you for ten years and make over 250 gallons (i.e., 32,000 ounces) of high-quality colloidal silver under normal usage!

Yes, that's about $240,000.00 worth of colloidal silver at today's standard health food store price of $30 for a tiny four-ounce bottle.

Unbelievable? Yup. But it's true! Again, check your local health food store for the price of bottled colloidal silver, and then do the math and see for yourself!

20 Foot Roll – You can get a 20 foot of .9999 pure 12 gauge silver wire for *only $490*. This reduces your cost from the usual $35 per foot to *only $24.50 per foot*, and should last you for the next 20 years and make well over 500 gallons (i.e., 64,000 ounces) of high-quality colloidal silver under normal usage!

Yes, that's nearly a half a million dollars worth (i.e., $480,000.00) of colloidal silver you'll be able to

make, if you figure it at today's standard health food store price of $30 for a tiny four-ounce bottle.

Surely you can see by now why we're so adamant that everyone should make their own colloidal silver!

Silver Wire Price Chart:

Sorry…due to price volatility in the silver market, these sales prices are guaranteed for the next *10 days only!* Please *call us* at **1-888-528-0559** if you have any questions on silver wire prices and sizes.

.9999 fine 12 gauge silver wire:

- Single Set – 12 gauge (two six inch strips)…**only $35**
- 5 foot roll – 12 gauge…**only $150** (That's *only $30 per set*. You save *$25 off* the single set price – a 17% savings!)
- 10 foot roll – 12 gauge…**only $270** (That's *only $27 per set*. You save *$80 off* the single set price – a 23% savings!)
- 20 foot roll – 12 gauge…**only $490** (That's *only $24.50 per set*. You save *$210 off* the single set price – a 30% savings!)

Order Now

Remember, we sell only the thicker 12 gauge, .9999 pure silver rods and bulk silver rolls, not the thinner 14 gauge silver wire sold by most other vendors. So it lasts up to 35% longer when you're making colloidal silver!

No Better Time Than Now!

At these special low sale prices, there's no better time than *now* to stock up on pure silver wire for making colloidal silver.

After all, with all of the uncertainty in the world, silver prices could skyrocket even higher over the weeks and months ahead, forcing us to dramatically raise the price of our .9999 pure silver rods and bulk silver rolls.

So if you're going to start making your own colloidal silver (or if you *already do*) it would be wise indeed to take advantage of this phenomenal, strictly time-limited *10-day-only* sale to make sure you'll always have plenty of .9999 pure silver wire on hand for making colloidal silver.

But please remember, you must *act within the next 10 days* to reap these very special savings. Prices are subject to change as the cost of .9999 pure silver rises! If ordering *after* 10 days, please call us first at **1-888-528-0559** to confirm prices.)

Start making your own colloidal silver for *less than 36 cents a quart* today, and you'll never go back to paying those exorbitant 60,000% mark-ups for colloidal silver in health food stores or through online vendors!

How To Order

To order single-set silver rods or bulk silver rolls online, simply click the blue button below:

Order Now

Or, use your credit card to order .9999 pure silver wire for making colloidal silver, by calling toll-free:

1-888-528-0559 (M-F, 8 am to 4 pm, Arizona time)

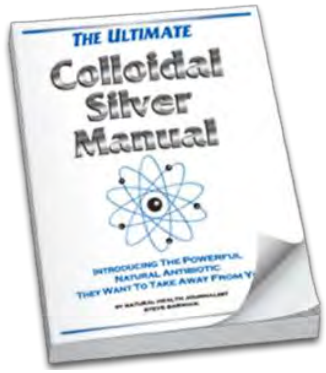
We generally ship within one or two business days of receiving your order, and most orders arrive to U.S. addresses within five business days of the shipping date. This means a typical U.S. order takes about one week to arrive from the date we receive your order. But sometimes the mail is slow so please allow up to two weeks for delivery.

For questions on any of our products, please call The Silver Edge customer service department toll-free at **1-888-528-0559**, M-F, 8 am to 4 pm AZ time.

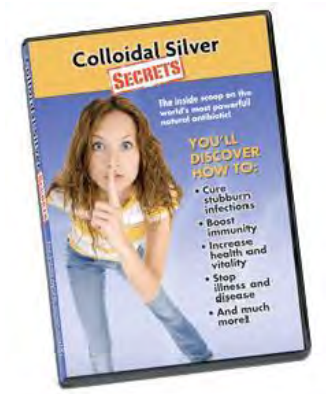
Chapter 18: The Best Colloidal Silver Information Resources Available

The hard-to-find books, DVDs, Special Reports and CDs listed directly below are sold by Life & Health Research Group, LLC. They're widely considered to be the world's most reliable informational resources on colloidal silver and its many healing uses.

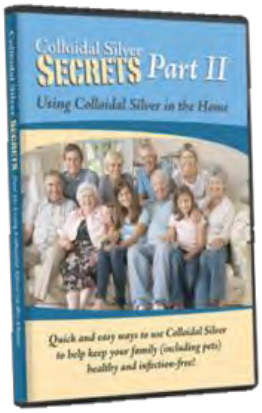
And now you can have access to them, at specially reduced prices, *for the next 14 days only!*



The Ultimate Colloidal Silver Manual – Newly revised and updated to a whopping 547-pages, giving you encyclopedic knowledge of colloidal silver and the many ways to use it successfully. Over 40 chapters covering the infectious diseases colloidal silver has widely been used to treat…overviews of the most important clinical studies from the late 1800's to the present day, which prove its astonishing effectiveness…two complete dosage chapters documenting how much to take and when for various infectious diseases…in-depth interviews with top colloidal silver experts…and much, much more. This is the book all top natural health practitioners buy when they want to learn how colloidal silver is used. The most in-depth guide to colloidal silver and its usage ever published. Written in plain, easy-to-understand language. Reg. $178.00…**On Sale Now:** Only $78.00 (You save $100)

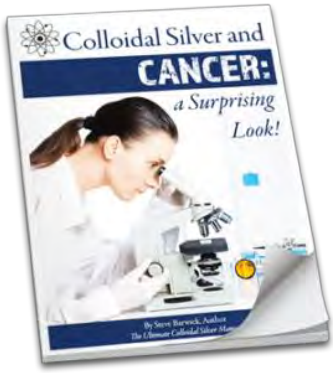


The Colloidal Silver Secrets Video (DVD) – Your one-hour "crash course" in making and using colloidal silver. In this full-color "how to" video presentation, TV personality Kirsten Burtt interviews Steve Barwick, author of The Ultimate Colloidal Silver Manual, and asks the questions you've always wanted to know the answers to about the powerful infection-fighting qualities of colloidal silver, and how to use it for maximum healing results. Learn how to use colloidal silver to heal a myriad of infections and diseases. Barwick even demonstrates how to make your own colloidal silver generator, and explains the differences between the three major types of colloidal silver generators. Reg. $59.95…**On Sale Now:** Only $19.95 (You save $40)

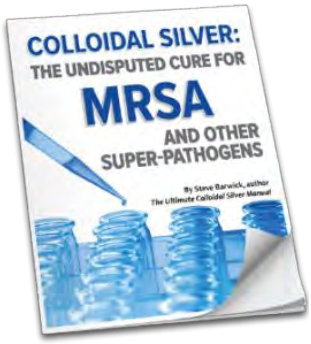


The Colloidal Silver Secrets Video Part II (DVD) – Your brand new, full-color, 60-minute follow-up DVD to the Colloidal Silver Secrets Video above. It consists of Steve Barwick personally demonstrating twelve separate "how to" lessons on making and using colloidal silver, including: How to use colloidal silver in a nasal spray bottle to banish sinus infections and allergy problems for good…How to use colloidal silver in a Neti Pot to relieve sinus problems that are more stubborn than usual…How to make your own colloidal silver gel and colloidal silver soap in just minutes, using your homemade colloidal silver…How to prove – right in your kitchen – that the colloidal silver actually kills bacteria…How to heal infected boils with colloidal silver and a simple clay poultice…How to heal eye infections with colloidal silver, the quick, easy way…How to cure an earache with colloidal silver…How to make colloidal silver toothpaste in just minutes…and much, much more!
Reg. $59.95…**On Sale Now:** Only $19.95 (You save $40)

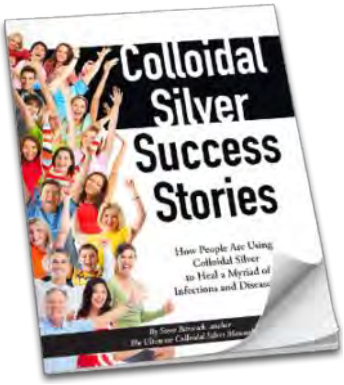
Colloidal Silver: What the Drug Companies Don't Want You To Know (CD) – This is the original 60-minute audio-taped interview on CD, featuring Dr. Gary North interviewing yours truly, Steve Barwick, author of The Ultimate Colloidal Silver Manual! Just plop it into your CD player and listen. In this eye-opening interview Dr. North peppers me with questions designed to help beginning colloidal silver users understand how powerful and effective colloidal silver really is. I explain colloidal silver usage from A to Z as Dr. North pins me down with the hard questions you've probably always wanted to know the answers to, but didn't know who to ask, including what the best kind of colloidal silver is…how to use colloidal silver topically, for external infections…and much, much more! Reg. $19.95…**On Sale Now:** Only $9.95 (You save $10)



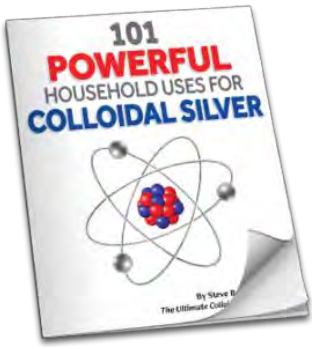
Colloidal Silver and Cancer: A Surprising Look! – This brand new 196-page soft cover book brings you completely up-to-date on the use of colloidal silver as a powerfully effective nutritional adjunct to cancer. You'll read overviews of 50 of the latest clinical studies demonstrating silver to be effective against over a dozen forms of cancer. Plus, you'll read 20 real-life reports from people who claim to have successfully cured their cancers using colloidal silver, or who have used colloidal silver to dramatically improve their conditions. And you'll read about an unusual medical investigational protocol for using colloidal silver against cancer, and the astonishing stories of healing involved. Reg. $79.95…**On Sale Now:** Only $49.95 (You save $30)



Colloidal Silver Cures MRSA (booklet) – In this eye-opening new 36-page booklet, you'll learn why medical authorities are still so suspiciously silent about colloidal silver's proven ability to heal MRSA infections, in spite of the fact that 94,000 Americans develop life-threatening MRSA infections each and every year, and a whopping 18,650 Americans die from those infections. And you'll discover through a half dozen case histories exactly how people are curing their own MRSA infections with colloidal silver, including the specific methods of administration they're using and the dosages, as well. Reg. $29.95…**On Sale Now:** $19.95 (You save $10)



Real-Life Colloidal Silver Success Stories (book) – This eye-opening 95-page soft cover book features over 100 experienced colloidal silver users explaining their favorite ways to use colloidal silver and revealing their most profound colloidal silver success stories. You'll get specific colloidal silver dosage information and usage instructions for specific diseases such as MRSA infections, herpes infections, sore throats, eye infections, prostate infections, skin cancer, Candida yeast infections, Chronic Fatigue Syndrome, infected cuts and burns, Poison Ivy, Swine Flu, sinus infections, infected boils, earaches, pet infections, viral infections, upper respiratory infections, low energy levels, diarrhea, and yes, way more than I could list on this page! And you'll not only learn what conditions to use it on, but exactly how to use it, the specific amounts to use, how long to use it, and much, much more! Reg. $29.95…**On Sale Now:** $19.95 (You save $10)



101 Powerful Household Uses for Colloidal Silver (booklet) – This in-depth 25-page guidebook detailing dozens upon dozens of little-known ways to use colloidal silver, both in the body as well as around the house in order to keep your household and your family infection-free 365 days a year. You'll learn the top 12 ways to use colloidal silver to heal infectious illness and disease almost overnight…dozens of exciting new ways to stop bacteria, viruses and fungi from taking hold and spreading in your household… the 4 key areas of your home to focus on first and foremost (two of these may completely surprise you!) Reg. $19.95…**On Sale Now:** $9.95 (You save $10)

How to Order Any of the Above Resources

To order any of the above informational resources at the special sales prices (available for the *next 14 days only*), simply click the link for the product you're interested in.

Or, go to the **Life and Health Research Group** website.

You can also order by toll-free telephone. Just call Life and Health Research Group during regular business hours (8 am to 4 pm, Arizona time), at:

1-888-846-9029.

Investing in knowledge for your family's long-term health and well-being is without a doubt the best investment you can ever make.

And these highly specialized resources offer a wealth of healing and potentially life-saving information that should be in *everyone's* natural health care arsenal.

Chapter 19: Meet Steve Barwick

Steve Barwick, author of the newly updated 547-page book ***The Ultimate Colloidal Silver Manual***, has been a natural health journalist for over 30 years.

He is a long-time enthusiastic advocate of the responsible use of colloidal silver, and a strong proponent of taking personal responsibility for one's own health and well-being, particularly through proper nutrition and natural health.

He sees this as a vital, but frequently overlooked component of the old-fashioned American ideal of self-determination and rugged individualism that helped make this country the greatest nation on the face of the earth.

As such, he's a staunch supporter of the personal health freedoms of all Americans. He is strictly against the looming globalist Codex Alimentarius regulations that have been designed to rob individuals of their personal health freedoms and turn everyone's health care decisions over to faceless corporate bureaucrats.

A natural health journalist by trade, Barwick has been a freelance writer since 1974, focusing primarily on natural health and nutrition topics, as well as on finance and politics.

For over 30 years his popular articles have appeared in a variety of local, regional and national publications including Grit, Boy's Life, Pacific magazine, Life & Health magazine, The Spotlight, American Free Press, Explore!, Health Science News, The American Sentinel, Vegetarian Times, the Desert Dispatch, the Christian Freedom Letter, Wealth Trends, the Orange County Register, the Bright Outlook, 50-Plus, The Bio-Tech News and many others. His articles have also frequently been published on a variety of internet publishing forums and venues.

Barwick is also the author, co-author, or editor of the following five books:

- ✓ The Ultimate Colloidal Silver Manual
- ✓ Colloidal Silver and Cancer: a Surprising Look!
- ✓ Bioterrorism: Secrets for Survival (aka "The Bioterrorism Manual")
- ✓ How to Survive Nuclear, Chemical and Biological Terrorism
- ✓ The Ultimate Immune System Repair Manual (aka "The Immune Manual")

- ✓ The Beta-1,3-1,6-glucan Manual

Barwick spent over 13 years' worth of intensive journalistic research in the course of writing ***The Ultimate Colloidal Silver Manual***. This includes hundreds of hours interviewing over 2,000 experienced colloidal silver users worldwide, including doctors, nurses, naturopaths, dentists, scientists, researchers and regular folks alike, extracting from them the specific methods of colloidal silver usage that have worked best for them, for everything from simple infections, colds and the flu to far more serious internal infections and potentially life-threatening chronic degenerative diseases of all sorts!

Barwick has also spent hundreds of hours tracking down and meticulously sifting through old medical journals and reports from as far back as the early 1900's written by some of the pioneering colloidal silver researchers such as:

- Dr. Alfred B. Searle, founder of the global Searle Pharmaceutical Company
- Dr. Leonard Hirschberg, M.D. of Johns-Hopkins University
- Professor H. Bechold, author of Colloids in Biology and Medicine
- The famous Swiss medical researcher Von Naegeli
- Dr. W. S. Halstead, the founding father of modern surgery who pioneered the use of silver wound dressings
- Well-known colloidal silver researchers Hill and Pillsbury
- Dr. C.E. MacLeod, author of the study "Electric Metallic Colloids and Their Therapeutical Applications"
- Dr. Henry Crooks, author of the critically acclaimed medical guide "The Use of Colloids in Health and Disease"
- Colloidal silver research clinician A. Legge Roe
- T. Sanderson-Wells
- Sir Malcolm Morris
- French physician B.G. Duhamel
- And many others too numerous to mention.

What's more, Barwick has spent well over a decade pouring over the writings and clinical research studies on the infection-fighting power of colloidal silver conducted by more

modern researchers like Dr. Bob Beck, PhD., inventor of the original home colloidal silver generator…Dr. Robert O. Becker, M.D. of Syracuse Medical University, who conducted much of the modern research into the ability of electrically generated silver ions to heal infections…Dr. Carl Moyer (Chairman of Washington University's Department of Surgery) and his biochemist colleague Dr. Harry Margraf…Dr. Larry C. Ford of UCLA Medical School…and many other contemporary clinical researchers such as B. Fowler & G. Nordberg, N. Simonetti, T. Berger, T.Wlodkowski and H. Rosenkranz and numerous others.

All of this research has now been distilled into a single volume that's literally *encyclopedic* in scope, i.e., ***The Ultimate Colloidal Silver Manual: Introducing the Powerful Natural Antibiotic They Want to Take Away From You!***, which is now the world's #1 best-selling book on colloidal silver usage!

Barwick is also the featured guest star of the recently released 60-minute, studio-quality Colloidal Silver Secrets video, in which he is thoroughly grilled by television personality Kristyn Burrt on the topic of colloidal silver and its usage.

He also blogs regularly on the topic of colloidal silver and its many healing uses. You can find his blog posts on the "Articles" page of **TheSilverEdge.com** website.

What They're Saying About Steve Barwick

"Steve Barwick is one of the greatest writers in the realm of colloidal silver…He's done a lot to promote the awareness of colloidal silver, to debunk the myths and to get good information out to the public.

…I've been reading his stuff for a long time…He's become quite a voice and a champion for disseminating good information about colloidal silver…silver therapeutics…silver medicinals…
…He cuts through a lot of the garbage that the governmental and pharmaceutical complex uses to sway everybody from silver. He's one of my heroes out there…So hats off to you, Steve."

— Robert Scott Bell, The Robert Scott Bell Show

"I'm often asked which colloidal silver generator I recommend. Hands down, I recommend the Micro-Particle Colloidal Silver Generator from my friend Steve Barwick at Silver Edge.

…I've touted the benefits of pure micro-particle colloidal silver for years to anyone that would listen. Frankly, it's the best way I know to quickly heal cuts, scrapes, sores and burns… treat a host of common illnesses such as colds, flus and sore throats… as well as kill nasty germs on cutting boards, kitchen counters, tooth brushes and even your pet's water bowl.

But most importantly is how it can protect you from the deadly pathogen MRSA that has become resistant to almost all known prescription antibiotics. Having a colloidal silver generator as part of your first aid kit just makes sense… especially if you ever find yourself in an emergency with no access to a doctor or hospital."

— Michael Cutler, M.D., Editor, Easy Health Options

"Steve, thanks for all your brilliant work to educate people about colloidal silver. It is one of nature's wonders that helps keep us well."

— Dr. Keith Scott-Mumby, M.D., MBChB, PhD, author Cancer Research Secrets, Complete Parasites Handbook, and Survive Without Antibiotics

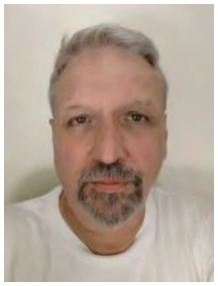
"Hi Steve: I have been a supporter of your work for nearly 15 years, and I have used Colloidal Silver for over 30 years without a single problem, EVER!

I have cleared up feline herpes in a cat's eyes, and have prevented infection from countless cuts, post surgery, for other injuries sustained during daily life. It is the safest and best antibiotic, anti-fungal, anti-viral that I have ever used, as opposed to the pricey, worthless, side effects loaded junk that the pharmaceutical companies promote.

Read the labels for the antibiotics and other "medications" prescribed by physicians, in good, albeit ignorant, faith, and you will find horror abounding in devastating diseases that they can cause you, including death. So, if anyone has any doubt

about using natural Colloidal Silver in place of chemicals, think again. This works, with zero side effects."

— Dr. Kathleen Olsson Nelson, RN, BA, MA, PhD, PhD, FSNPM, FCH., Clinical Psychologist and Nutritional Consultant



"My good friend, Steve Barwick is a brilliant man, and I would venture to say that he is probably one of the most knowledgeable people I know on the uses and benefits of colloidal silver solutions.

If you're interested in natural medicine and want to try an alternative to antibiotics and pharmaceutical drugs, check out his work!"

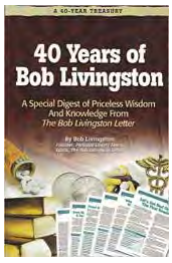
— Tom Hendry, SilverPure.com

"Hello Steve, as a colloidal researcher myself, I want to congratulate you on the great job you have done with your book The Ultimate Colloidal Silver Manual.

It reveals information and research I had not been aware of, especially about the antioxidant benefits of CS and range of brain disorders which have responded.

I will link to it on my own website as a useful encyclopedic reference, notwithstanding that it supports one of my competitor colloidal generators."

— Dr John Stewart P.E., President of Biophysica



"I believe the folks at The Silver Edge are the reigning experts on colloidal silver. Nowhere else will you find more accurate information on how to use colloidal silver to protect yourself and your family…"

— Bob Livingston, The Bob Livingston Letter

"The very best information – bar none – on colloidal silver and its myriad of uses comes from the pen of Steve Barwick, author of The Ultimate Colloidal Silver Manual and many other books and articles on natural healing.

He's always the first resource I turn to when I want to know more about any aspect of colloidal silver usage. And because his work is so detailed, thoroughly documented and eye-opening, he's generally the last resource I need to turn to, as well.

I strongly urge anyone interested in colloidal silver and its numerous healing benefits to obtain all of the material you can from Steve Barwick.

You'll get the education of your life. His research into colloidal silver and its usage is astonishing. Best yet, he translates the medical and scientific mumbo-jumbo into plain layman's language anyone can understand and put to use in their own lives."

— Ron D. Todd, former U.S. Army Medic

"If you want to know more about colloidal silver and how to use it to keep your family healthy and infection-free, you need to obtain Steve Barwick's work on the topic.

If you're new to colloidal silver, I suggest you start with his two 60-minute 'how to' videos. They're inexpensive and chock full of helpful information that will blow your mind if you're not already familiar with colloidal silver's often astonishing healing benefits.

If you want comprehensive and nearly encyclopedic knowledge of colloidal silver and its usage, get his 'big book,' The Ultimate Colloidal Silver Manual." It's pricey, compared to the videos. But you can see he's poured his heart and soul into that book. It's absolutely top-of-the-line information that's invaluable to anyone interested in healing themselves or their loved ones with colloidal silver."

— Sheila Christopher, Natural Healing Blog

Discover how easily you can produce your own high-quality colloidal silver – for *less than 36 cents a quart* – in the comfort and privacy of your own home, using a safe, simple-to-operate, Micro-Particle Colloidal Silver Generator from **TheSilverEdge.com**!

You'll never again have to pay greedy health food store or internet vendors up to $30 for a tiny four-ounce bottle of colloidal silver!

Now, you can make your own absolutely awesome, therapeutic-quality colloidal silver...for about 36 cents a quart (no kidding!)

...with a brand new high-quality Micro-Particle Colloidal Silver Generator from The Silver Edge!

You probably didn't realize it, but for years, commercial colloidal silver vendors have been ripping you off! The colloidal silver in the tiny four-ounce bottles they sell you for $30 or more costs them only about twelve *cents* to make!

But now, with a new Micro-Particle Colloidal Silver Generator, you can make your own safe, pure, high-quality *micro-particle* colloidal silver for about *36 cents a quart!*

Compared to typical health food store prices of $30 for a tiny 4-oz. bottle, the very first one-quart batch you make literally pays for the entire cost of your new generator! Do you know of any other health product that literally pays for itself *the very first time you use it?*

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