

# Radon is Radiation

Radon kills thousands of people every year.

## Is Your Family Safe?

**SURGEON GENERAL'S WARNING:**  
Radon Causes Lung Cancer



**BE WORRY FREE:**  
With Our Lifetime Guarantee



### What is Radon?

Radon is #86 on the periodic chart of elements, a gas that occurs from the radioactive decay of radium. You can not see, smell or taste radon, yet it is by far the most dangerous indoor environmental pollutant found in many homes. Regardless of the age or style of your home, if radium is present in the soil that surrounds your house, your home may actually be unsafe to live in. Exposure to high levels of radon can be deadly.

According to the EPA, homes located in the Midwest are more likely to have radon problems than any other area of the United States.

### What Are The Health Effects?

As you breathe, radon decays within the lungs releasing small bursts of energy particles (radiation) which can cause lung damage and cell mutation. Cancer is formed when mutated cells multiply. Radon is second only to smoking cigarettes as the leading cause of lung cancer deaths in America, killing more than 21,000 people every year. Those at the highest risk include children, (because their lungs are still developing), smokers (because of the multiplying effect), people that spend most of their time indoors and anyone exposed to high levels of radon.



### How Does Radon Enter Your Home?

If radon is present in the soil that surrounds your home, it will be drawn into the basement by the negative pressure that is found in the lower levels of all structures. This vacuum effect pulls radon into the home and is then generally distributed throughout the house by the heating and cooling system. Radon does not stay in the basement.

### How Do You Know If Your Family Is Safe?

The only way to know is to test. The U.S. Surgeon General is urging all Americans to get their homes tested as soon as possible. The EPA states "You should fix your home if it tests at 4.0 pico-curies per liter (pCi/L) or higher. If your home's test is between 2 to 4 pCi/L, you should seriously consider fixing it". The lower your family's exposure to radon, the safer your family is.

**Learn More About Radon**  
**[www.RadonAwareness.org](http://www.RadonAwareness.org)**



*A "pico-curie" is a unit of radiation named in honor of Madam Curie. Living in a home with 4 pCi/L for a full year is the same radiation exposure as 200 chest x-rays.*

### How Do You Protect Your Family From Radon?

The best method of protection is a technique called "Soil Gas Depressurization" which actually stops radon before it has a chance to enter your home. To accomplish this a piping system, typically 3" or 4" PVC, is installed that penetrates the concrete floor in the lowest level of the structure. The system is then routed up through the roof with an inline radon fan installed in the attic, or routed so that the pipe and fan are on the exterior of the home. Radon is drawn into the piping system from below the slab (not household air) and is exhausted safely outside following very specific guidelines (ASTM E2121-08) so that it may dissipate harmlessly into the atmosphere.



The basic types of radon removal systems are called Sub-Slab, Block Wall, Sub-Membrane or Drain Tile Depressurization. The type of system needed for your home depends on the way your home was built, soil types beneath the slab, radon concentrations in the soil, air pressures and airflow. The proper design and installation of a radon system requires specialized diagnostic equipment and expertise that are beyond the skills of the average homeowner or contractor. Be sure to hire a Certified Radon Specialist to ensure your family's safety.

Radon removal systems can also prevent other chemicals from entering your home and reduce basement or crawlspace dampness. Keeping basements drier helps prevent mold growth. This reduction in moisture, mold and other soils gas contaminants can greatly improve indoor air quality and provide significant health benefits for your family.

**A system installed by Professional House Doctors, Inc.<sup>®</sup> is the best guarantee that you and your family will be kept safe for as long as you live in your home.**

**Stop Radon**  
**Before It Enters Your Home**



# #1 Radon Company In America

## Most Experienced In America

As nationally recognized radon experts we have served as consultants to the United States Environmental Protection Agency (EPA) and helped to develop the scientific methods of soil gas depressurization over 25 years ago. We have installed thousands of radon removal systems and have helped clients all over the country to solve some of the most complex and challenging radon problems in America. You can rely on our experience and expertise to solve any radon problem you might have.

## Best System Design In America

Our Certified Radon Specialists install the most effective and dependable radon removal systems in the world. Each system is uniquely designed, based on diagnostics, aesthetics and your personal preferences. We review every possible option with you before beginning any work, then you select where and how we install your system. Which ever route or method you choose, the price quoted remains the same and the entire process is usually completed in one day.

## Best Diagnostics In America

The most important step in reducing radon levels as low as possible is diagnostics. Our company has more diagnostic equipment, capabilities and experience than any other. We are able to determine exactly what needs to be done and the best method for radon removal before we start to do any installation work. When we are done, most of our homes average the same as outside air (0.2 to 0.8 pCi/L). The key is diagnostics.

## Best Radon Guarantee In America

Instead of a 2 to 5 year warranty, we provide a Lifetime Guarantee. As long as no structural changes are made and the fan is still in operation, our radon guarantee is for the life of the structure and fully transferable regardless of who owns the home.

## Longest Fan Warranty In America

Our company uses only the very best components in every system we install. Our radon removal fans are the most dependable, energy efficient and quiet fans available and come with the longest and best warranty in America - 5 full years from date of installation. Plus, as one of our clients, the fan warranty is non-prorated, even local trip and labor charges are free!

## Best Satisfaction Guarantee In America

We maintain 100% customer satisfaction by providing the very best work on every job we do. We guarantee you'll be happy. After we have completed your project, we'll provide you with a free test kit to verify your results or you may use any type of testing method you prefer. You don't pay us until you are completely satisfied. We have never not been paid.

## Best Price Guarantee In America

We guarantee to match or beat any competitor's price on comparable systems and we won't charge you extra for all the extras we provide. Call today for a free estimate.

**Professional House Doctors, Inc.® would like to thank all of our clients for allowing us to do the work we love and for recommending us to your friends and relatives.**

**YOU are the reason we are #1. Please feel free to call us anytime, for any reason. THANK YOU!**

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## Testing Is Easy!

For less than \$10 and just a few minutes of your time, you can test your home and get accurate results within just a few days. Easy to follow instructions, lab analysis and lab fees included. Call us and we'll mail you a test today!



**Buying A Home?** The best time to know if there is a problem is before you buy. We provide the fastest and most accurate radon testing services available. Be sure to have us test your potential new home for radon as part of the inspection process.

**Building A Home?** A system installed during construction costs less. Let us work with your builder to make sure your family is safe.

## Customer Comments

*"I am a retired real estate agent and in my opinion, Professional House Doctors, Inc.® is by far the most knowledgeable and professional radon company out there. Every buyer and seller I have worked with has always been extremely happy with your services and results. I recommend you highly." - Jerry F.*

*"Just a note to say thank you. I was really worried when the other guys that looked at my house didn't seem to know what to do or how much it would cost. You were just the opposite. The cost was lower than expected and exactly as quoted. I could not be happier with the work you did for me. Now my radon level is the same as outside air! Thanks again." - Louis S.*

**Protect Your Family**

[Test Your Home!](#)



**Learn The Facts!**

[RadonAwareness.org](http://RadonAwareness.org)



**Professional House Doctors, Inc.®**  
*"Environmental & Building Science Specialists"*

**#1 Radon Company In America**

- ✓ **Oldest & Most Experienced**
- ✓ **Best Guarantee & Longest Warranty**
- ✓ **Free Information & Estimates**
- ✓ **US EPA Consultants**

**America's Leading Experts In Residential & Commercial Radon Services**

**Questions?  
Ask The Experts**

**Professional House Doctors, Inc.®**

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**"Saving Lives... One House At A Time®"**