

# RADON FACTS

The U.S. EPA estimates that nearly 1 out of every 15 homes has elevated radon levels. In some states and counties, elevated radon occurs in more than 1 of every 2 homes.

## What is Radon?

Radon is a colorless, odorless radioactive gas. It is naturally produced by the decay of uranium in soil and rock and then released into air and water.

## How can radon get into a home?

Radon seeps into your home from the ground beneath it. It can also be released into your home from well water or building materials that contain radon. Because they are closer to the ground, basements and first floors typically have the highest radon levels.

## Can radon get into a new home?

Radon can enter any home, old or new, even those with no visible cracks. In fact, radon levels can be higher in newer, well insulated, tightly sealed homes. The only way to know if your home has elevated radon levels is to test for it.

## How does radon cause cancer?

Radon, the number one cause of lung cancer in nonsmokers, decays quickly, breaking down into tiny radioactive particles. When inhaled, the particles can damage the cells that line the lung. Long-term exposure can lead to lung cancer.

**Test every home for radon.**

**Get a test kit at [radon.com](http://radon.com)**

\*The U.S. EPA recommends fixing your home if the radon level tests above 4.0 pCi/L, and says to consider fixing if over 2.0 pCi/L.

# ADDITIONAL RESOURCES

## Radon Informational Video

Watch a quick video on radon and the components of an ASD radon system at [radonisreal.org](http://radonisreal.org).

## Radon Fan Replacement Guide

If your current fan has failed and you are looking for a replacement, we have the guide for you. To view the comprehensive list go to [radonaway.com/replace](http://radonaway.com/replace).

## Fan Cost Calculator

A radon fan can cost only pennies a day to operate. Estimate system energy use at [radonaway.com/calculator](http://radonaway.com/calculator).

## Find a Professional

A radon mitigation system, when properly installed, will reduce radon in nearly every home. For referral to a professional, go to [radonaway.com/findpro](http://radonaway.com/findpro).



# LEARN THE FACTS ABOUT RADON



**It's the #1 environmental health hazard causing 21,000 deaths in the U.S. per year.**

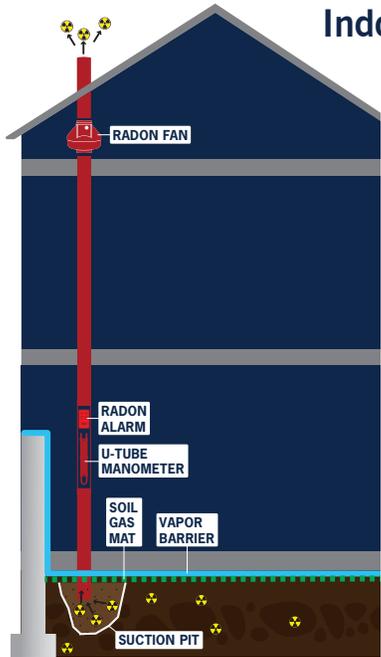
Radon health risks are easy to avoid in your home. All you need is a properly installed radon system made with high quality components.



## A Minor Repair with Major Benefits

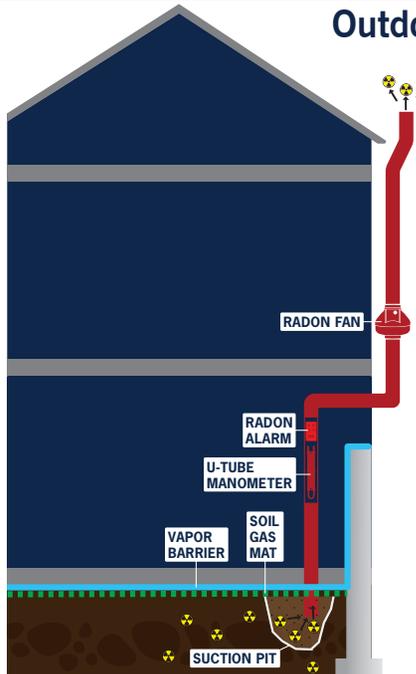
Typically, a radon system can be installed in less than a day at a cost far less than most major home repairs. Yet, it is one of the most important repairs you can make for the health and safety of you and your family. Active Soil Depressurization (ASD) is the technique most often used for mitigating radon.

### Indoor Radon System



An interior radon system is typically installed during new construction or major renovations. PVC vent pipe is usually routed through closets or other unexposed areas to the radon fan in the attic and then through the roof to discharge the radon gas safely above the roof.

### Outdoor Radon System



An exterior radon system is often installed in an existing home. PVC vent pipe is connected to penetration(s) in the crawlspace or basement, routed to the exterior of the home, attached to the radon fan, and run up the outside wall of the house to discharge the radon gas safely above the roof.

Protect your family. Test your home for radon. If it tests high, fix it now.

# SIX STEPS TO REDUCING RADON IN YOUR HOME

The most widely accepted and commonly used method for reducing radon in homes is the installation of an Active Soil Depressurization (ASD) system, which acts similarly to a vacuum cleaner, drawing the radon from beneath the home and venting it safely above the roofline. When installing an ASD system, a radon professional will:

#### 1. Seal

Seal all cracks (including covering dirt crawlspaces if necessary).

#### 2. Drill

Drill one or more draw (or suction) points through the slab or crawlspace membrane deep enough into the soil below to provide the ability to depressurize the home.

#### 3. Vent

Vent by installing a PVC pipe from the draw point up through the interior or on the exterior of the home to above the roof.

#### 4. Activate

Activate with a RadonAway radon fan attached to a dedicated electric circuit.

#### 5. Monitor

Monitor with a u-tube manometer and a radon system alarm so the homeowner can see if the radon mitigation system is operating.

#### 6. Retest

Retest the radon level within 30 days to ensure that the radon level is reduced. Test again every 2 years, at minimum.

Whether or not you have a radon system in your home, remember to test the radon level at least every two years or earlier, particularly if you have done any remodeling or renovations.

## Key Radon System Components

Flexible Couplings

RadonAway Radon Fan

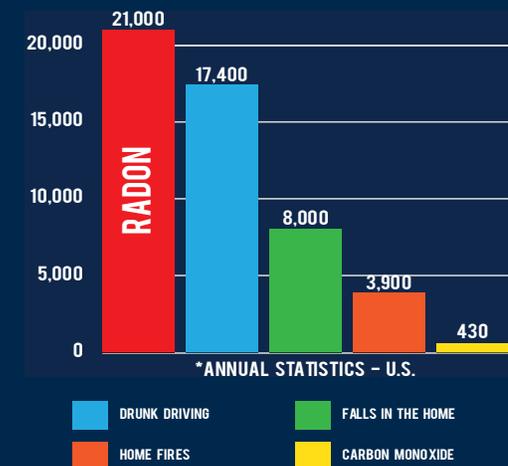
Radon System Alarm



Manometer

Power Cord

## DEATHS PER YEAR COMPARISON



Source: U.S. EPA