

# Radon Resources

[www.breathe.uky.edu](http://www.breathe.uky.edu)

**BREATHE**  
Bridging Research Efforts and Advocacy  
Toward Healthy Environments

Radon Policy  
Research Program

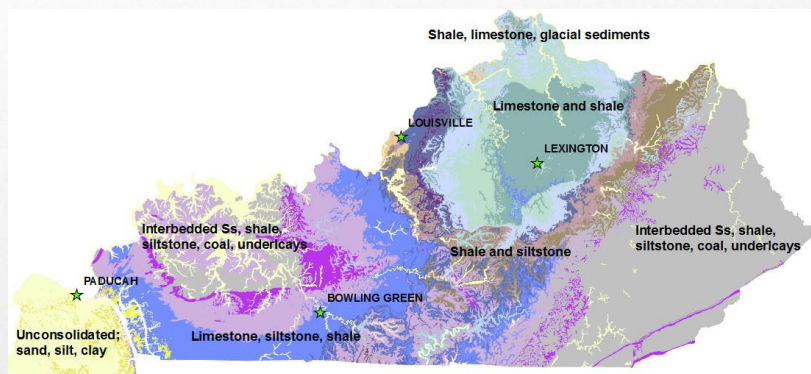
**UK** College of  
Nursing

## Radon Data by County

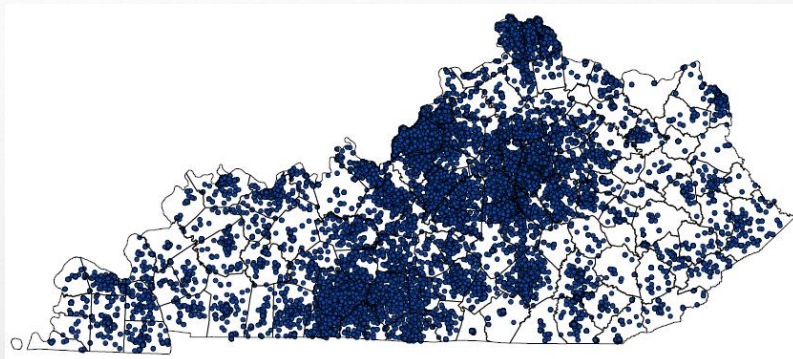
**Infographic Maps**

## Mapping Radon and Rock Types

- Radon can vary based on certain types of geologic rock formations beneath your home.
- We compiled data on home radon testing from 1986-2015 and partnered with the Kentucky Geological Survey (KGS) to identify rock types.
- KGS created county-level maps showing the varying levels of danger from radon, from least to most danger.

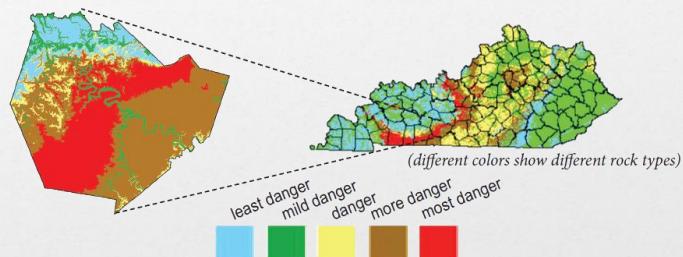


Kentucky has different rock types underneath the surface. Some rocks have the potential to release more radon gas than others.



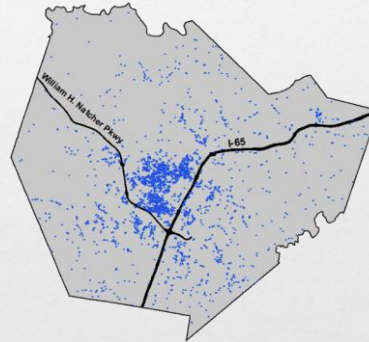
Locations of residential radon testing, 1986-2015

## Radon is a Problem in Many Areas of Kentucky



## Test Your Home. Know Your Level.

Homes tested for radon  
in Warren County, KY



### Are you in danger from **RADON** in Warren County?

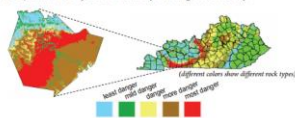
**Radon** is a naturally occurring, radioactive gas.

- It cannot be seen, smelled or tasted.
- It may seep into your home from the rocks below.
- It is the second leading cause of lung cancer.

#### TEST YOUR HOME • KNOW YOUR LEVEL

For a radon test kit, contact the Kentucky Radon Program at (502) 564-4856.

**Certain types of rock have higher levels of radon:**  
Radon is a problem in many areas in Kentucky, including Warren county.



#### Smoking and radon:

Breathing radon is dangerous,  
but it is even **more** harmful when  
you also breathe tobacco smoke.



#### In Warren County:



Blue dots show homes already tested for radon.



More homes in Warren County need to be tested.

#### To Do List:

- ✓ **TEST** your home for radon.
- ✓ **TALK** with a health care provider about your results.
- ✓ **FIX** your home if the level is high. Call a certified radon professional.
- ✓ **ASK** people to smoke outside.
- ✓ **TELL** your loved ones about the dangers of radon and tobacco smoke.

#### TEST YOUR HOME • KNOW YOUR LEVEL

For a radon test kit, contact the Kentucky Radon Program at (502) 564-4856.  
For more information about the maps, contact BREATHE at (859) 257-7028.

**BREATHE**  
Improving Indoor Air Quality and Radon  
Toward Healthy Environments

Funding provided by  
the Kentucky State Radon Program  
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**UK**  
UNIVERSITY OF  
KENTUCKY  
College of Engineering



# Quick Facts About Radon

## Radon and Secondhand Smoke Fact Sheet

### Radon

**What is it?**  Radon is a naturally occurring radioactive gas that cannot be seen, smelled, or tasted.

**Why is it dangerous?**



Radon is the **2nd** leading cause of lung cancer.

Radon attaches to dust or tobacco smoke and gets carried into the lungs.

**NO safe level of radon**



Most exposure occurs in homes.

**What can you do about it?**

**TEST YOUR HOME.  
KNOW YOUR LEVEL.**

Ask a certified radon professional to fix high radon levels.

The state radon program and some local health departments provide **free** radon test kits.

**Radon & Secondhand Smoke**



Breathing radon is dangerous, but it is more harmful when you also breathe tobacco smoke.

**FOR MORE INFORMATION:  
BREATHE**  
University of Kentucky  
College of Nursing  
(858) 323-4567  
breatheuky.edu

### Secondhand Smoke (SHS)

**What is it?**



SHS is a mixture of smoke exhaled by the smoker and smoke from the burning end of tobacco products.

**CIGARETTE SMOKE CONTAINS:**

More than **7,000** chemicals and **69** cause cancer.

SHS is **EVERYWHERE** when smoking is allowed.



**IN CHILDREN, SHS CAUSES:**

- ▶ Ear infections
- ▶ More frequent & severe asthma attacks
- ▶ Lung infections
- ▶ Sudden infant death syndrome (SIDS)

Breathing SHS causes:

**HEART DISEASE**

**LUNG CANCER**

**STROKE**

**What can you do about it?**

- ✓ Make your car and home **100%** tobacco-free
- ✓ Only visit **smoke-free** restaurants & businesses
- ✓ **QUIT SMOKING & STAY AWAY** from tobacco smoke
- ✓ Contact local policymakers to advocate for smoke-free air

# Radon Continuing Education

## Free Online Course



Help Your Clients Lower their Radon Risk by Learning:

- Why exposure increases **lung cancer risk**, especially with tobacco smoke
- How to **discuss the basics** of radon exposure, testing and mitigation
- About **laws and policies** designed to reduce radon risk
- How to **effectively communicate** radon health risks
- **Answers** to frequently asked questions
- How strategies and knowledge can **increase testing and mitigation**

ABOUT US TOBACCO POLICY TOBACCO TREATMENT TOBACCO IN SPECIAL SITUATIONS **RADON** GIVE NOW

Freedom from Radon Exposure and Smoking in the Home (FREESE)  
 Provider Education  
 Policymaker Education  
 Radon Data by County  
 Radon Activity Book  
 Public Presentations  
**Radon CE**  
 Quick Facts About Radon  
 Quick Facts by Topic

View Edit

Radon Home / Radon

**Radon CE**  
 Click here for instructions on how to access and complete the course.

**For Health Professionals**  
 Click here to download the flyer

This continuing education program will provide health professionals with up-to-date, relevant information about the negative health consequences of exposure to radon as well as the synergistic effects of radon and tobacco smoke. Upon completion of this program, health professionals will understand the basics of radon exposure, testing procedures, and mitigation and will be able to discuss the combined effects of radon and secondhand smoke. Health professionals will be equipped to communicate with patients and families to encourage home radon testing and mitigation. This program is intended for Physicians, Physician Assistants, Nurse Practitioners, Lung Cancer Screening Providers, Counselors, Social Workers, Certified Health Educators, and Radon Awareness Advocates and Educators.

**For Nurses**  
 Click here to download the flyer

This continuing education program will provide health professionals with up-to-date, relevant information about the negative health consequences of exposure to radon as well as the synergistic effects of radon and tobacco smoke. Upon completion of this program, health professionals will understand the basics of radon exposure, testing procedures, and mitigation and will be able to discuss the combined effects of radon and secondhand smoke. Health professionals will be equipped to communicate with patients and families to encourage home radon testing and mitigation. This program is intended for Physicians, Physician Assistants, Nurses, Nurse Practitioners, Lung Cancer Screening Providers, Counselors, Social Workers, Certified Health Educators, and Radon Awareness Advocates and Educators.

**BREATHE**  
 Bridging Research Efforts and Advocacy  
 Tobacco, Alcohol, Environment

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## Prescription for Radon

### Healthcare Provider Tools

## Radon. Easy Fix. Smart Decision.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

- ☐ Test your home for radon.  
☐ Mitigate your home if radon levels are 4 pCi/L or above.  
☐ Hire a certified radon professional.  
☐ Encourage neighbors, friends and family to test their homes.

Physician: \_\_\_\_\_ Date: \_\_\_\_\_  
☐ LAMEL  
 INITIAL 1 2 3 4 until radon levels are fixed

### Radon Prescription Pad

**UK HealthCare**  
 Making Cancer Count

**Kentucky**  
 University of Kentucky

**UK KENTUCKY**  
 College of Medicine

July 2017

Dear Colleagues:

On behalf of the Radon Policy Research Program at the University of Kentucky College of Medicine, the Radon Policy Research Center, and the Radon Policy Research Program at the University of Kentucky College of Medicine, we are pleased to provide you with this Radon Prescription Pad. This pad is designed to help you and your patients understand the importance of radon testing and mitigation in your practice.

Radon levels in Kentucky are alarmingly high given the geological composition of the state. Much of Kentucky is underlain by coal, the primary source of the state's energy. This coal is rich in radon, and radon gas can seep into the ground and then into the air. Radon is a colorless, odorless, and tasteless gas that is a leading cause of lung cancer. As a healthcare provider, you have a responsibility to educate your patients about the risks of radon and to encourage them to test their homes for radon.

The Radon Prescription and Prescription Pad are easily integrated into your normal patient care. When you prescribe a radon test, you are also prescribing a health check. Radon testing is a simple, affordable, and non-invasive procedure that can be done in your office or at home. The results of the test can be used to guide your patient's care and to help them make informed decisions about their health.

We hope you will join us in our ongoing education, testing and mitigation efforts to reduce lung cancer. Radon testing is a simple, affordable, and non-invasive procedure that can be done in your office or at home. The results of the test can be used to guide your patient's care and to help them make informed decisions about their health.

Sincerely,

*Robert G. Hines*  
 Robert G. Hines, MD  
 Director, Radon Policy Research Program  
 University of Kentucky  
 College of Medicine  
 111 Taylor Hall  
 Lexington, KY 40536-0001  
 606/255-1234  
[www.ukradon.org](http://www.ukradon.org)

*James A. Smith*  
 James A. Smith, MD  
 Director, Radon Policy Research Program  
 University of Kentucky  
 College of Medicine  
 111 Taylor Hall  
 Lexington, KY 40536-0001  
 606/255-1234  
[www.ukradon.org](http://www.ukradon.org)

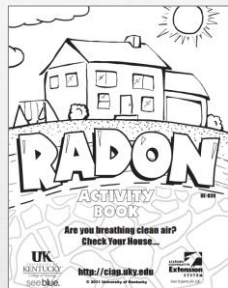
*B. Michael Smith*  
 B. Michael Smith, MD  
 Director, Radon Policy Research Program  
 University of Kentucky  
 College of Medicine  
 111 Taylor Hall  
 Lexington, KY 40536-0001  
 606/255-1234  
[www.ukradon.org](http://www.ukradon.org)

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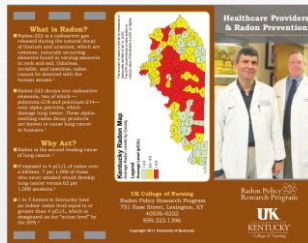
### Physician Letter



### Radon Patient Brochure



### Radon Activity Book



### Healthcare Provider Brochure



### Radon Fact Sheet



## Questions?

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### Contact:

**Renee Fox, MS**

University of Kentucky | College of Nursing  
Radon Health Educator & Project Coordinator  
2265 Harrodsburg Road, Suite 202

Lexington, KY 40504

[angela.fox@uky.edu](mailto:angela.fox@uky.edu)

[www.breathe.uky.edu](http://www.breathe.uky.edu)

859.257.7028