

Residential Radon: Safe, not scary



This January EPA renews its Radon **scare** campaign to frighten the public about harmless levels of natural radiation. Oppose it.

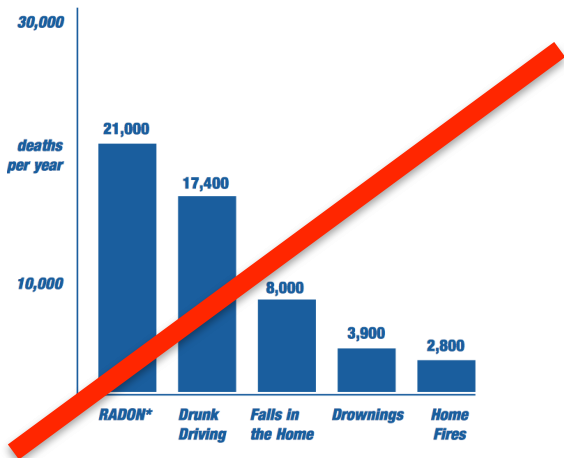
Radon gas is produced in minute quantities as uranium in rocks slowly decays over billions of years. It can seep up from the earth and accumulate in basements because it is heavier than air. Radon is a noble gas so it doesn't react chemically or biologically.



However radon decays within a few days, making radioactive fission product atoms. These may cling to air-borne dust particles that might stick in your lung airways then cause a small radiation dose.

EPA thinks all radiation can potentially kill you with cancer, and recommends radon testing and remediation if radioactivity exceeds 4 pico-curies per liter of air. (Note that humans are naturally slightly radioactive at about 200,000 pico-curies.)

Here's EPA's **scary** graph of deaths (Worry not, it's false).

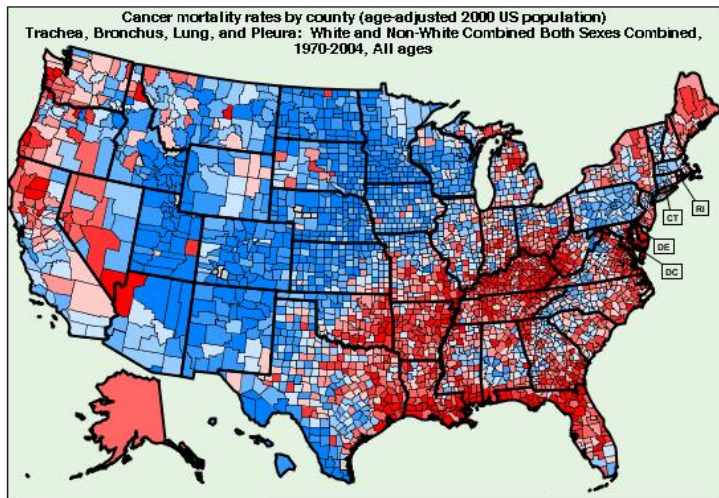


<https://www.epa.gov/sites/production/files/2015-05/documents/hmbuygud.pdf>

EPA's radon deaths are only based on an invalid theory called LNT. They are **not** observed, unlike the drunk driving deaths and others.

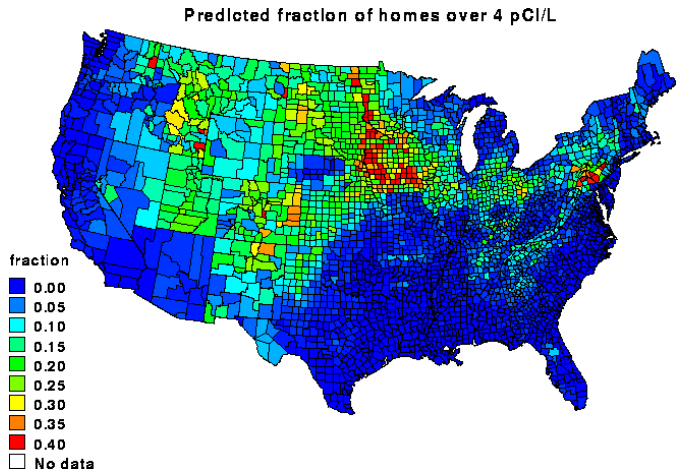
Biology recovers from many insults, including low level radiation. Cancer occurs only when the immune system is overwhelmed.

Here are US lung cancer deaths, by county. Red counties have the highest death rates, blue lowest.



<https://ratecalc.cancer.gov/ratecalc/>

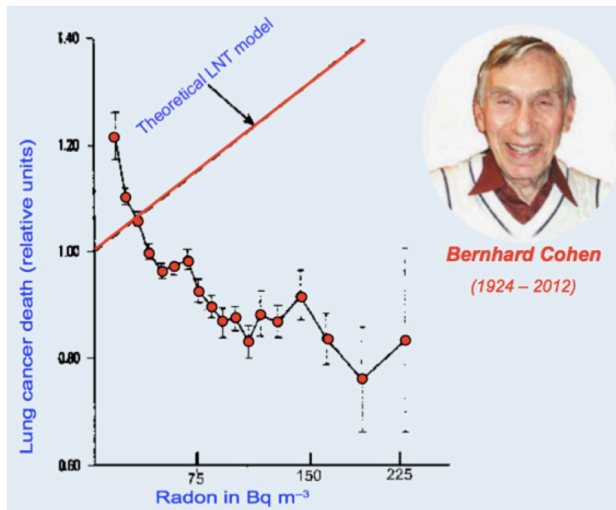
Here's radon, by county, blue lowest. More than 10% of homes in non-blue counties have radon exceeding EPA's warning level.



But compare the two maps. The counties with less radon have more lung cancer deaths. EPA's LNT theory is clearly wrong.

<http://www2.lbl.gov/Science-Articles/Archive/radon-risk-website.html>

Bernhard Cohen studied the death rates, by county. They do drop with increasing radon, invalidating EPA's LNT theory and warning.



This data shows how low-dose radiation actually has a protective health effect, similar to the immune response caused by vaccines.

End politicized science at EPA

The radon scare was set off because of lung cancer in early uranium miners. They smoked and worked in dusty mines with high radon concentrations. The EPA still struggles to maintain public fear of all radiation, claiming that Cohen's low-dose evidence must be wrong, even though he did take smoking into account. Over 150,000 smokers die annually of lung cancer. Residential radon is harmless.



Exposure limits set by EPA with LNT theory also impair progress in medicine and nuclear power. EPA rules ignore science, biology, and observed low-level radiation health effects. The limits are political, retained to appease small, vociferous groups.

Read EPA's own extensive website epa.gov/radon and try to find any clear evidence for their rules.

Understand the true science: <http://tinyurl.com/gsuazv2>

Learn more about LNT radiation fallacies at x-Int.org.

Insist that EPA adopt new, scientific, evidence-based radiation safety limits, rather than **scaring** people.