

## Radon Risk Chart-A

Lifetime Exposure to Radon (picocuries per liter)	Lifetime Risk of Dying from Radon (out of 1,000 people exposed)	Comparable Risks of Fatal Lung Cancer (lifetime or entire work life)
75	214-554	working with asbestos
40	120-380	
20	60-210	
10	30-120	smoking 1 pack of cigarettes per day
4	13-50	
2	7-30	having 200 chest X-rays per year
1	3-13	
0.2	1-3	

Lifetime risks assume that you spend about 18 hours a day in your home. Because every household is different, you may want to consider your typical risk to fit your circumstances. For example, if you have a reading of 10 picocuries per liter but spend only 9 hours inside your home on a typical day, you would multiply your risk from the risk chart by one-half, or 0.50. In this case, the risk would now range from as low as 15 out of 1,000 to as high as 60 out of 1,000.



Source: Covello, Vincent T.; Peter M. Sandman; and Paul Slovic. *Risk Communication, Risk Statistics, and Risk Comparisons: A Manual for Plant Managers*. Washington, DC: Chemical Manufacturers Association, 1988.