American Lung Association.

Radon Program Updates

Region 4 Radon Stakeholders Conference

April 1, 2025

Ashley Lyerly, MPA, Senior Director of Advocacy, Southeast

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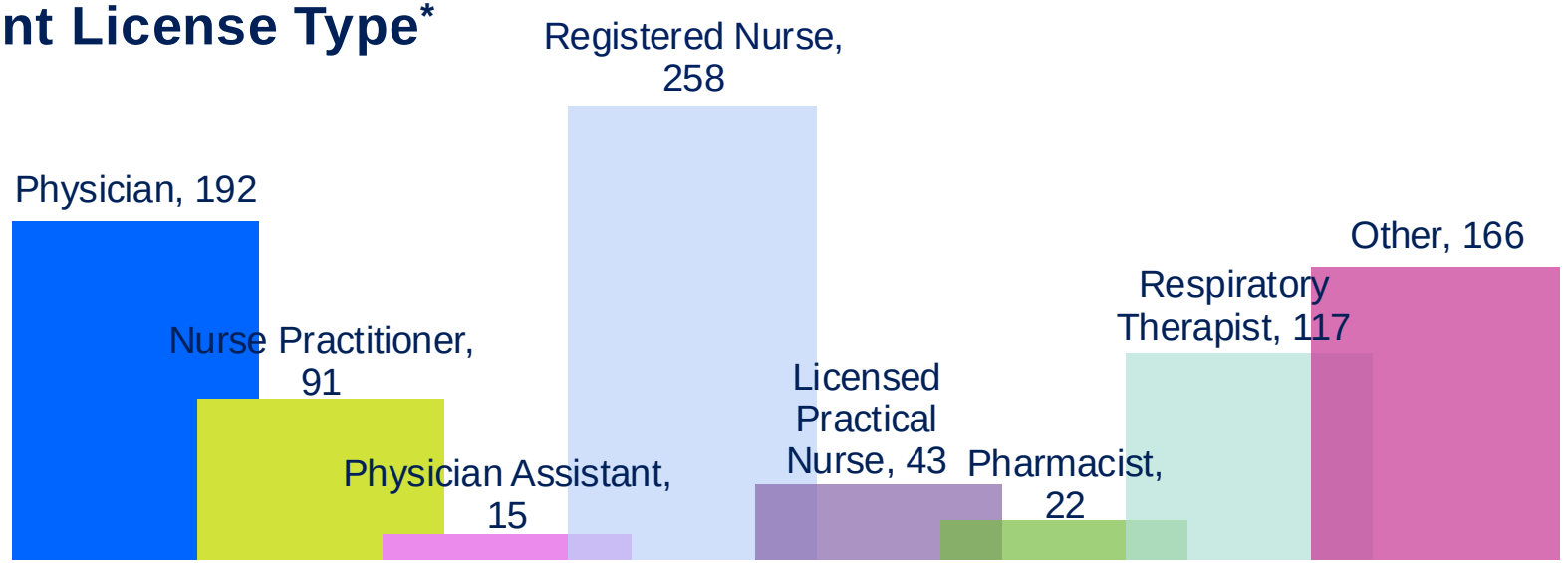
Healthcare Professional Indoor Air Pollutant Survey

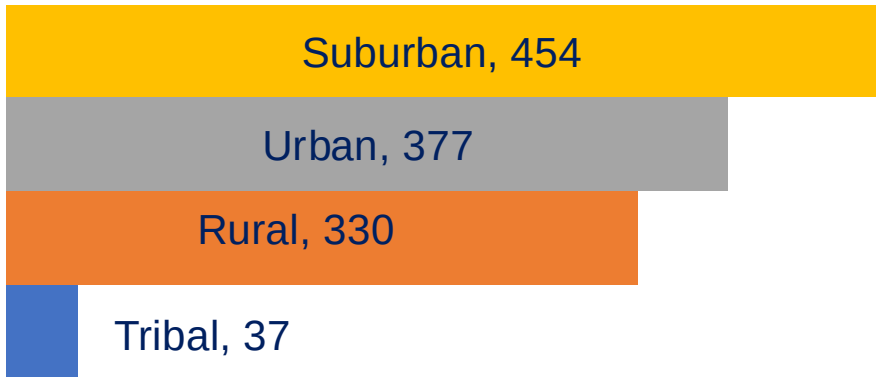
DEMOGRAPHICS

901 respondents are currently or have practiced in the past 12 months

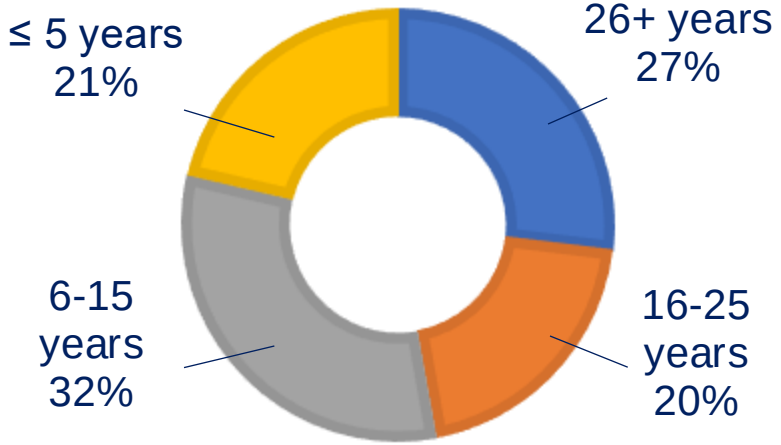
Current License Type*



Area Served



Years in Practice



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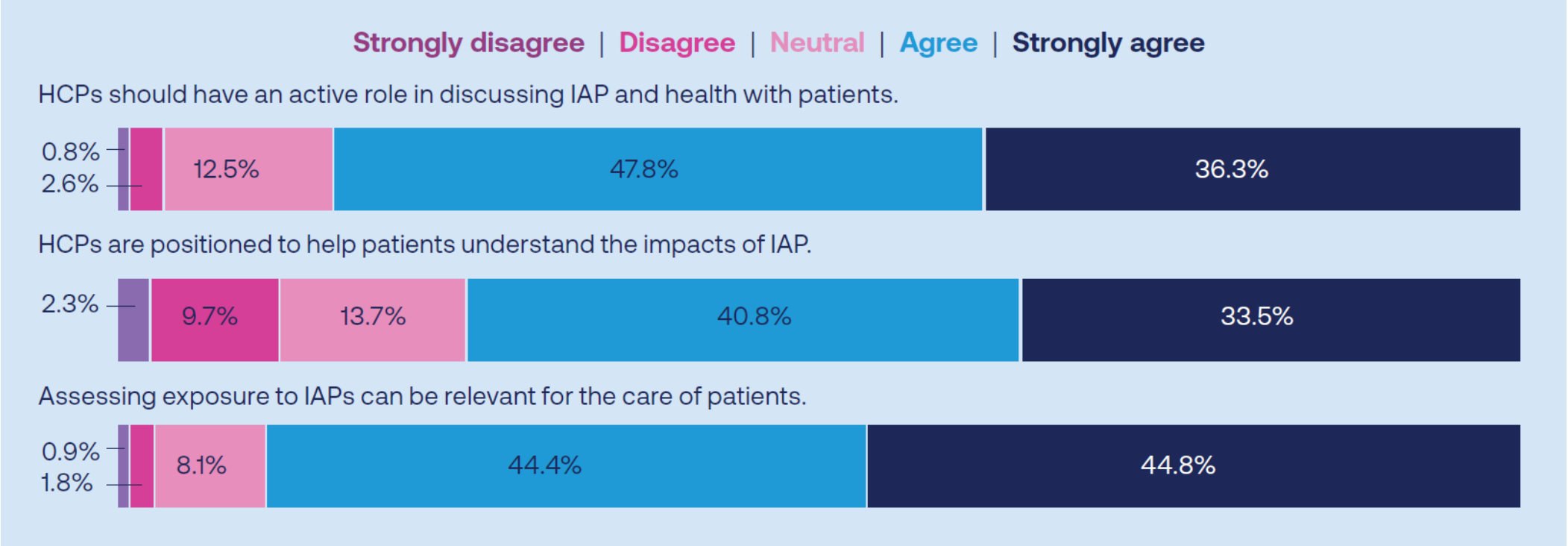
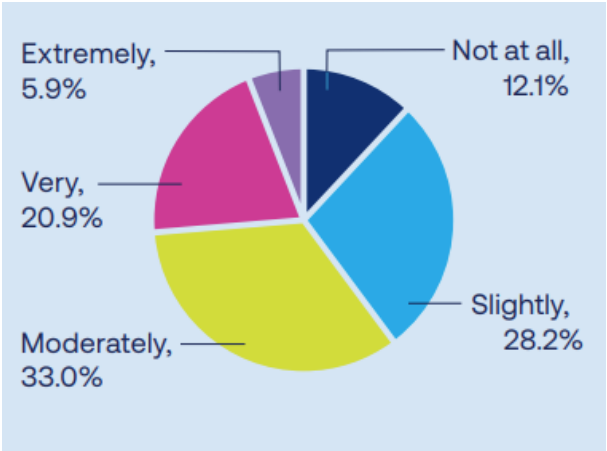
BELIEFS

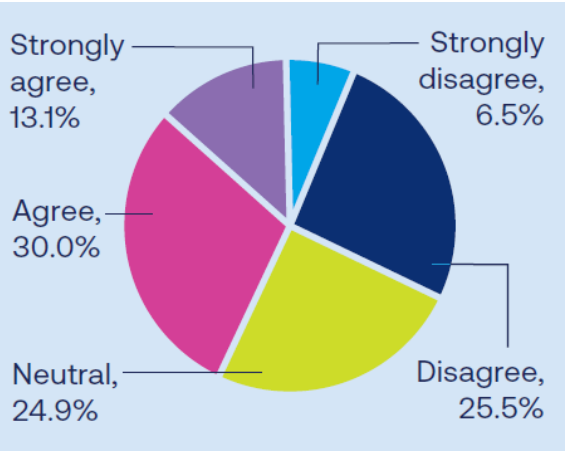
Respondents agree that Healthcare Professionals (HCPs) should assess for and play an active role in helping patients understand indoor air pollution (IAP).



Only **1** in **4** are satisfied with their current knowledge of the health effects of indoor air pollution.



Only **2** in **5** HCPs feel well-prepared to discuss the health impacts from indoor air pollution with patients.



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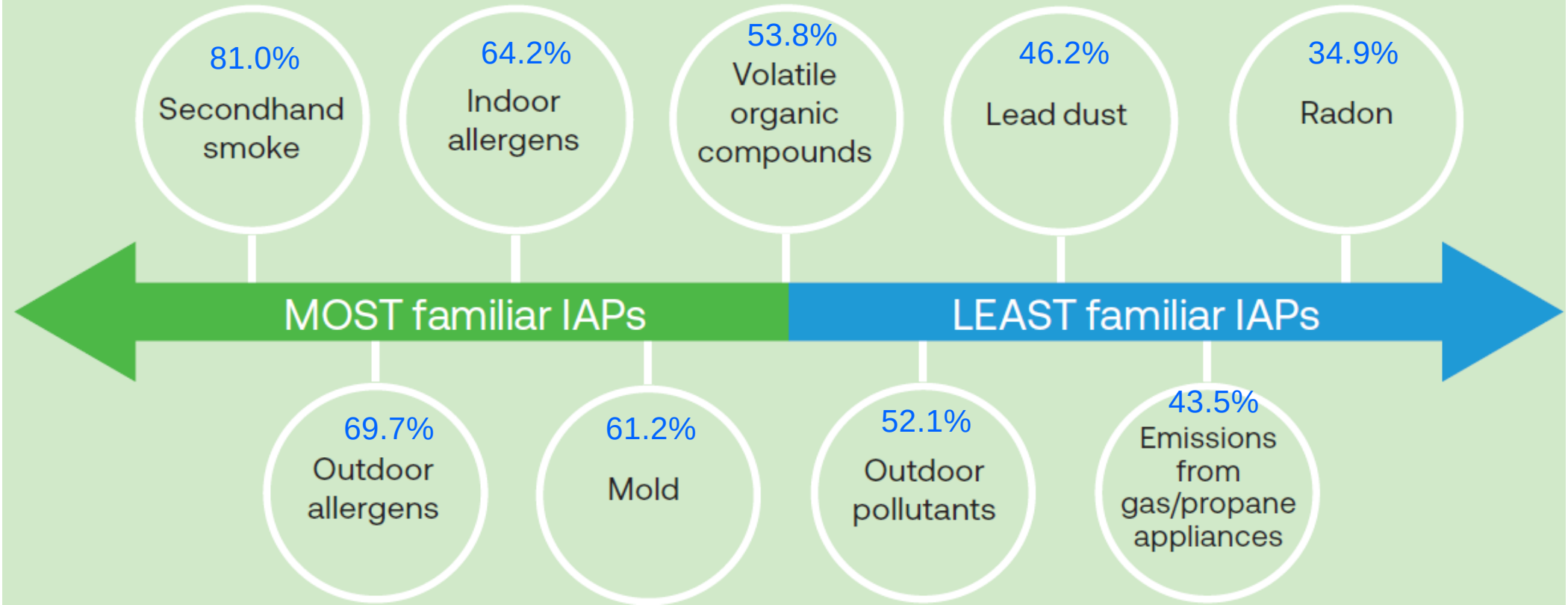
KNOWLEDGE

33.96% of HCPs are familiar with indoor air pollution in general.

39.8% of HCPs are familiar with the health effects of indoor air pollution.



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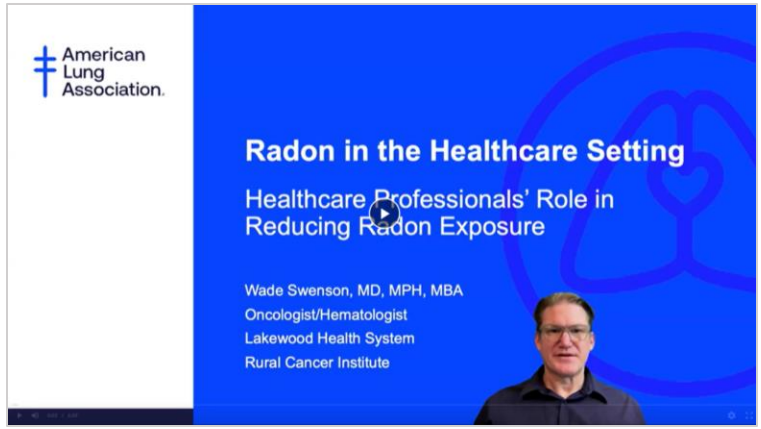
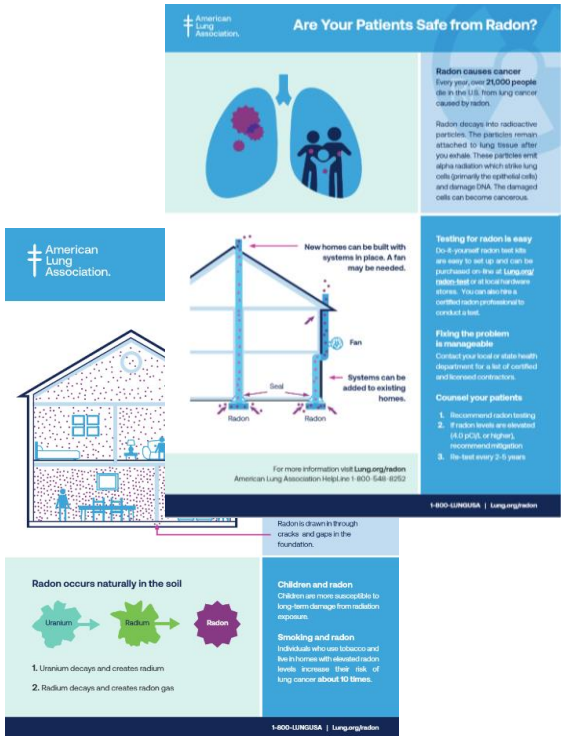
National Radon Action Month

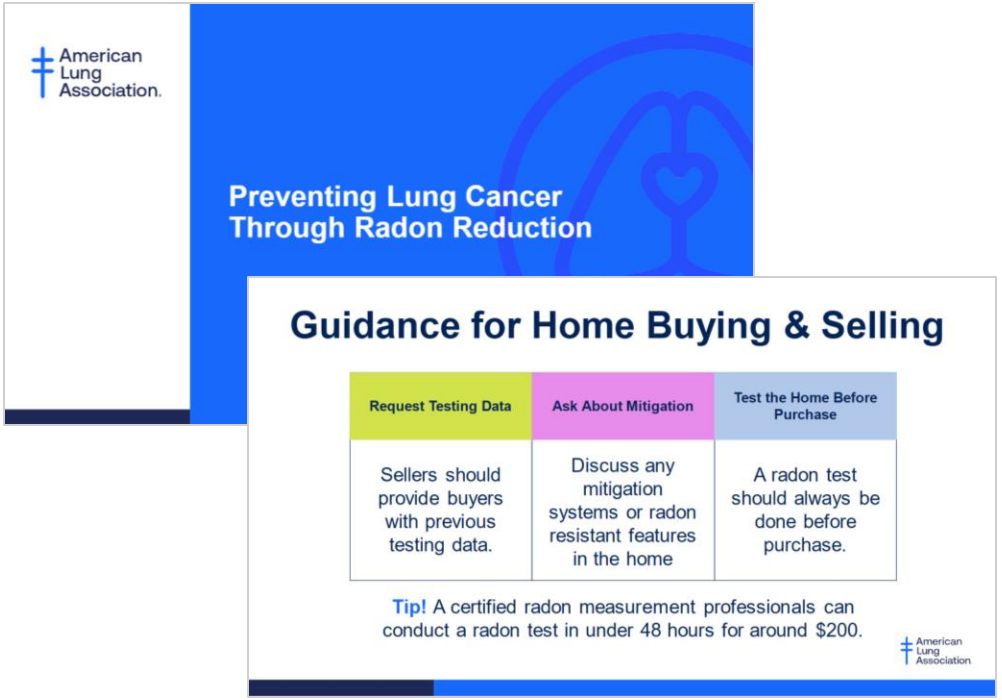
Resource Development & Distribution



HCP Educational Video



HCP Handout



Educational Presentation Slide Deck

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National Radon Action Month

Resource Development & Distribution

Consumer Video

Social Media Toolkit

Homeowner handouts

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Test Kit Program

Region 4

The Lung Association is currently offering short-term and long-term radon test kits for residents living in Region 4.

Residential Sales Key Statistics:

Time Period	# of Kits Sold
2024	**181**
2025 (Jan – March 15)	**41**

Lung.org/radon-test

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Test Kit Program

Region 4

Lung.org/radon-test

Jan 1, 2024 - Dec 31, 2024 Test Kit Distribution Region 4

	Number Distributed
Alabama	
AirCheck Short Term Radon Test Kit (AL)	3
Alpha Track Long Term Radon Test Kit (A	2
Florida	
AirCheck Short Term Radon Test Kit (FL)	34
Alpha Track Long Term Radon Test Kit (F	5
Georgia	
AirCheck Short Term Radon Test Kit (GA)	27
Alpha Track Long Term Radon Test Kit (G	8
Kentucky	
AirCheck Short Term Radon Test Kit (KY)	25
Alpha Track Long Term Radon Test Kit (K	10
Mississippi	
AirCheck Short Term Radon Test Kit (MS	2
Alpha Track Long Term Radon Test Kit (M	0
North Carolina	
AirCheck Short Term Radon Test Kit (NC)	44
Alpha Track Long Term Radon Test Kit (N	6
South Carolina	
AirCheck Short Term Radon Test Kit (SC)	5
Alpha Track Long Term Radon Test Kit (S	1
Tennessee	
AirCheck Short Term Radon Test Kit (TN)	7
Alpha Track Long Term Radon Test Kit (T	2

Jan 1, 2025 - March 15, 2025 Test Kit Distribution Region 4

	Number Distrib
Alabama	
AirCheck Short Term Radon Test Kit (AL)	1
Alpha Track Long Term Radon Test Kit (AL)	1
Florida	
AirCheck Short Term Radon Test Kit (FL)	9
Alpha Track Long Term Radon Test Kit (FL)	2
Georgia	
AirCheck Short Term Radon Test Kit (GA)	6
Alpha Track Long Term Radon Test Kit (GA)	2
Kentucky	
AirCheck Short Term Radon Test Kit (KY)	1
Alpha Track Long Term Radon Test Kit (KY)	3
Mississippi	
AirCheck Short Term Radon Test Kit (MS)	0
Alpha Track Long Term Radon Test Kit (MS)	0
North Carolina	
AirCheck Short Term Radon Test Kit (NC)	9
Alpha Track Long Term Radon Test Kit (NC)	2
South Carolina	
AirCheck Short Term Radon Test Kit (SC)	1
Alpha Track Long Term Radon Test Kit (SC)	2
Tennessee	
AirCheck Short Term Radon Test Kit (TN)	2
Alpha Track Long Term Radon Test Kit (TN)	0

Lung Helpline and Tobacco Quitline

Free information and support from lung health experts.

Lung HelpLine

- Staffed with licensed healthcare professionals
- Bilingual staff and translation for 250+ languages
- Direct to local services like lung cancer screening and tobacco cessation
- Assist with healthcare coverage
- Answer lung health and lung disease questions

Radon HelpLine

- Ordering radon tests
- Interpreting test results & recommending action
- Directing to local resources and certified radon measurement & mitigation professionals
- Finding financial assistance for mitigation

1-800-LUNGUSA

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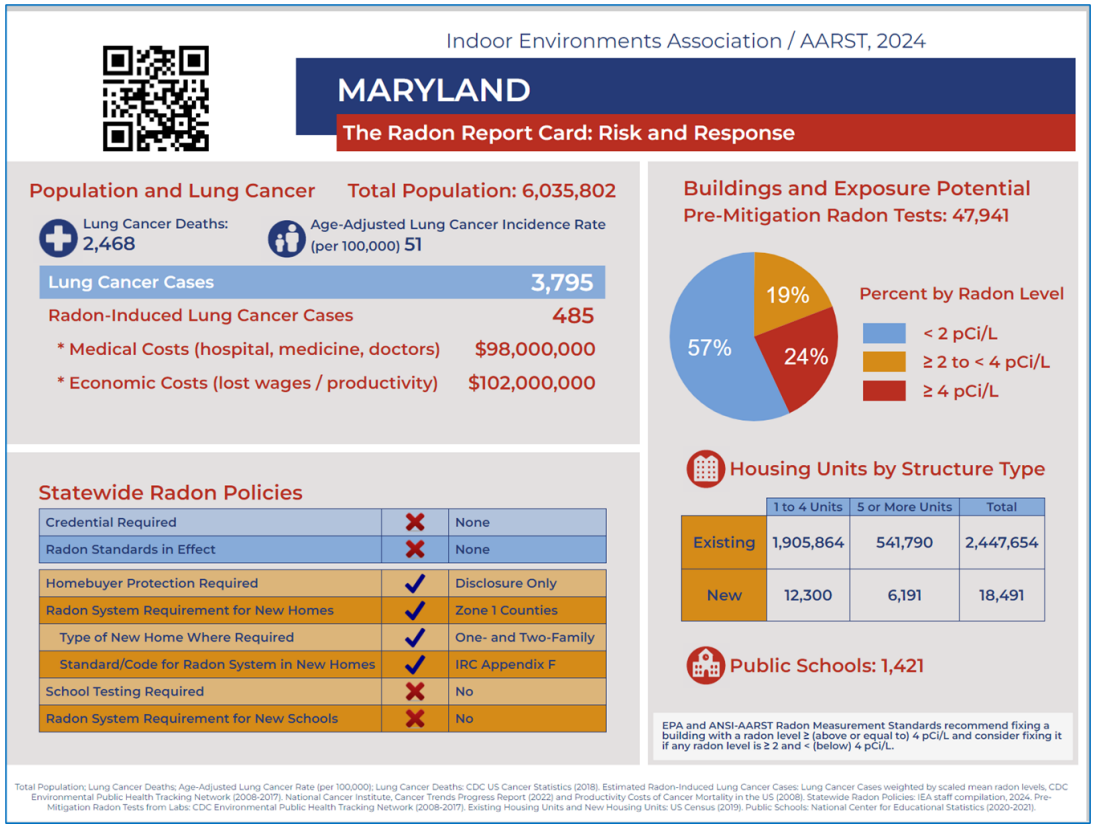
State policy priorities

- Standards and credentialing for radon services
- Homebuyer and tenant protection
- Radon in schools and daycares
- Evidence-based interventions in state cancer control plans



Indoor Environments Association / AARST, 2024

MARYLAND

The Radon Report Card: Risk and Response

Population and Lung Cancer — Total Population: 6,035,802

Lung Cancer Deaths: 2,468

Age-Adjusted Lung Cancer Incidence Rate (per 100,000) 51

Lung Cancer Cases	3,795
Radon-Induced Lung Cancer Cases	485
* Medical Costs (hospital, medicine, doctors)	$98,000,000
* Economic Costs (lost wages / productivity)	$102,000,000

Statewide Radon Policies

Credential Required	✗	None
Radon Standards in Effect	✗	None
Homebuyer Protection Required	✓	Disclosure Only
Radon System Requirement for New Homes	✓	Zone 1 Counties
Type of New Home Where Required	✓	One- and Two-Family
Standard/Code for Radon System in New Homes	✓	IRC Appendix F
School Testing Required	✗	No
Radon System Requirement for New Schools	✗	No

Buildings and Exposure Potential

Pre-Mitigation Radon Tests: 47,941

Housing Units by Structure Type

	1 to 4 Units	5 or More Units	Total
Existing	1,905,864	541,790	2,447,654
New	12,300	6,191	18,491

Public Schools: 1,421

EPA and ANSI-AARST Radon Measurement Standards recommend fixing a building with a radon level ≥ (above or equal to) 4 pCi/L and consider fixing it if any radon level is ≥ 2 and < (below) 4 pCi/L.

Total Population; Lung Cancer Deaths; Age-Adjusted Lung Cancer Rate (per 100,000); Lung Cancer Deaths: CDC US Cancer Statistics (2018). Estimated Radon-Induced Lung Cancer Cases: Lung Cancer Cases weighted by scaled mean radon levels, CDC Environmental Public Health Tracking Network (2008-2017). National Cancer Institute, Cancer Trends Progress Report (2022) and Productivity Costs of Cancer Mortality in the US (2008). Statewide Radon Policies: IEA staff compilation, 2024. Pre-Mitigation Radon Tests from Labs: CDC Environmental Public Health Tracking Network (2008-2017). Existing Housing Units and New Housing Units: US Census (2019). Public Schools: National Center for Educational Statistics (2020-2021).

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Standards of practice

- Requires testing and mitigation be performed according to voluntary consensus standards
- EPA recognizes standards developed under ANSI/AARST
- Ideally adopted as state policy but can be built into stand-alone policies

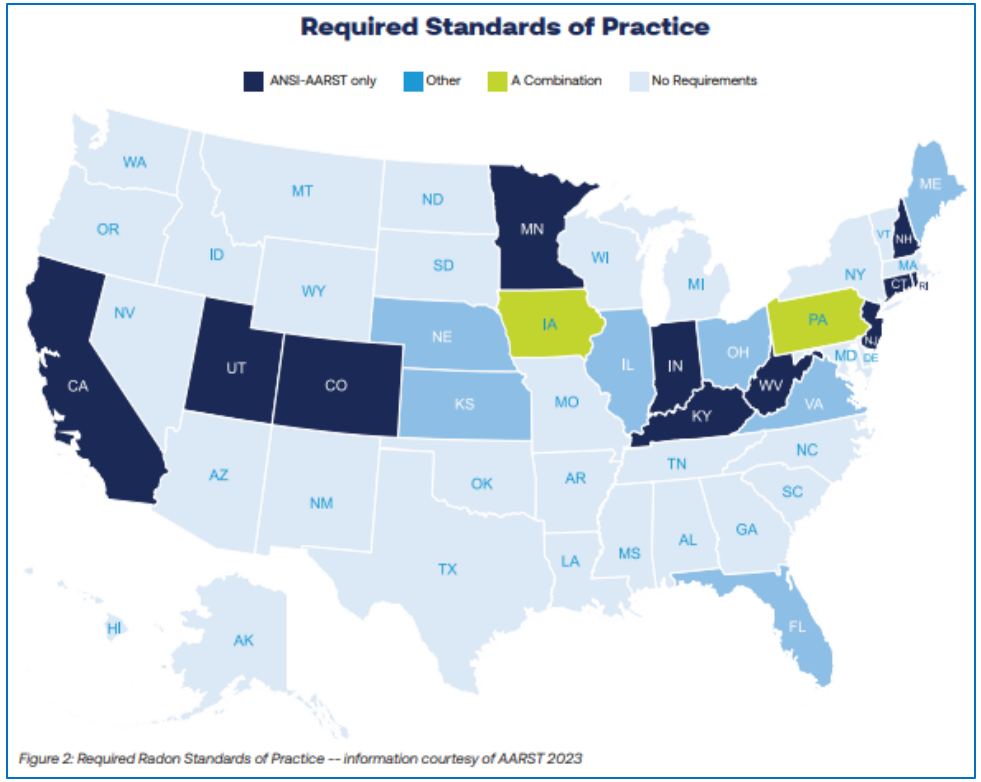

Figure 2: Required Radon Standards of Practice -- information courtesy of AARST 2023

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Credentialing requirement

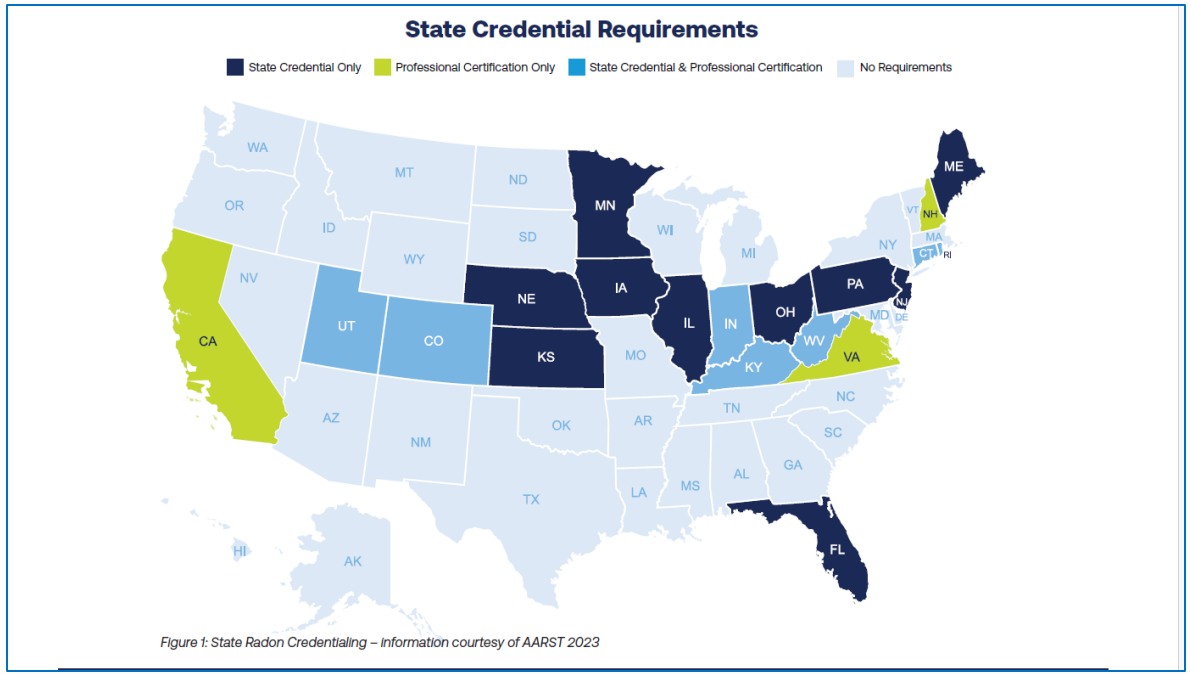

Figure 1: State Radon Credentialing – Information courtesy of AARST 2023

- Ensures radon professionals and labs are trained and certified
- A mix of state and professional society requirements
- EPA is developing minimum criteria to improve consistency

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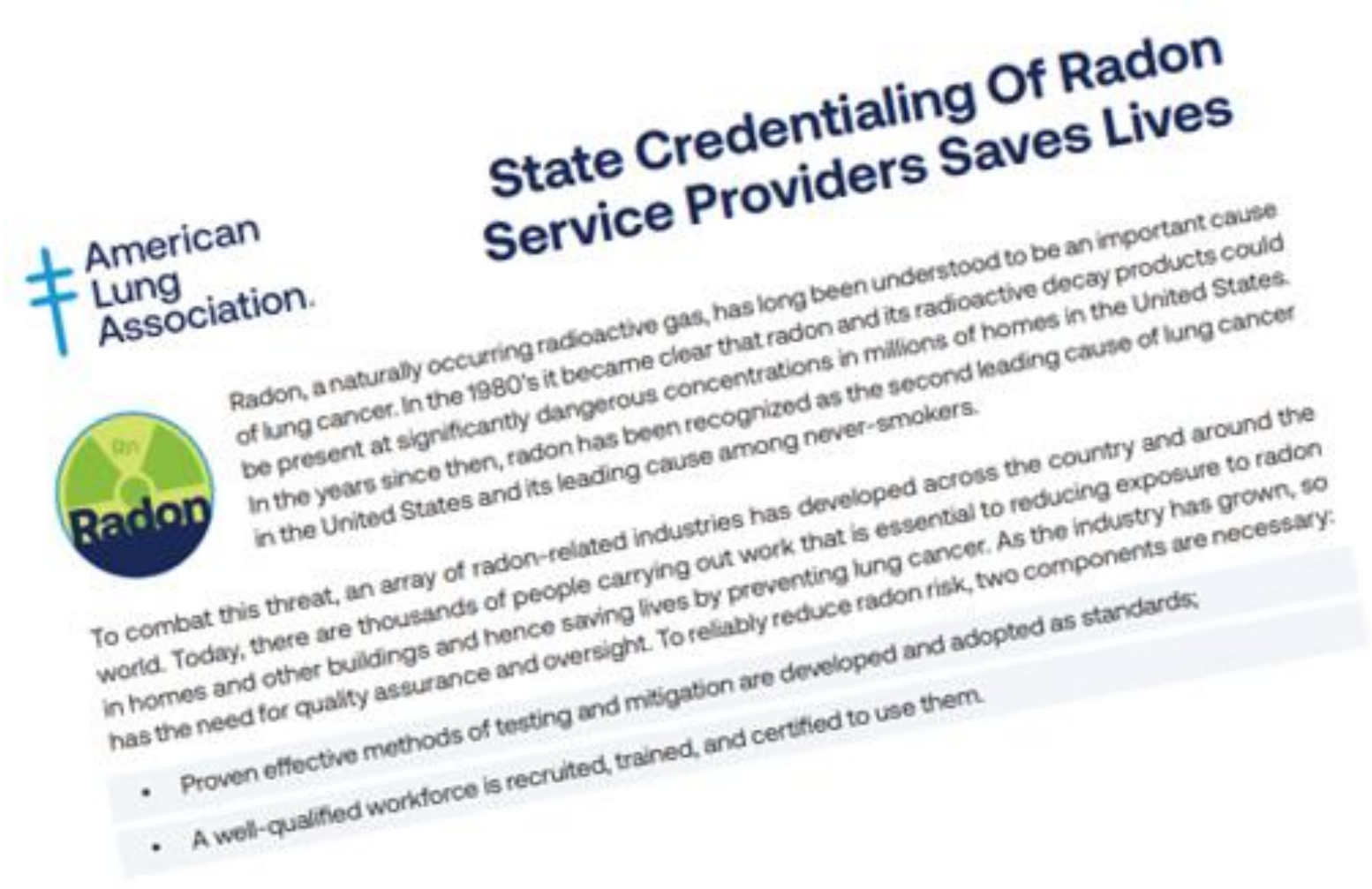
State credentialing policy brief



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State Credentialing Of Radon Service Providers Saves Lives

Radon

Radon, a naturally occurring radioactive gas, has long been understood to be an important cause of lung cancer. In the 1980's it became clear that radon and its radioactive decay products could be present at significantly dangerous concentrations in millions of homes in the United States. In the years since then, radon has been recognized as the second leading cause of lung cancer in the United States and its leading cause among never-smokers.

To combat this threat, an array of radon-related industries has developed across the country and around the world. Today, there are thousands of people carrying out work that is essential to reducing exposure to radon in homes and other buildings and hence saving lives by preventing lung cancer. As the industry has grown, so has the need for quality assurance and oversight. To reliably reduce radon risk, two components are necessary:

- Proven effective methods of testing and mitigation are developed and adopted as standards;
- A well-qualified workforce is recruited, trained, and certified to use them.

Resources for Professionals available at www.lung.org/radon

Includes links, references to model laws and policies.

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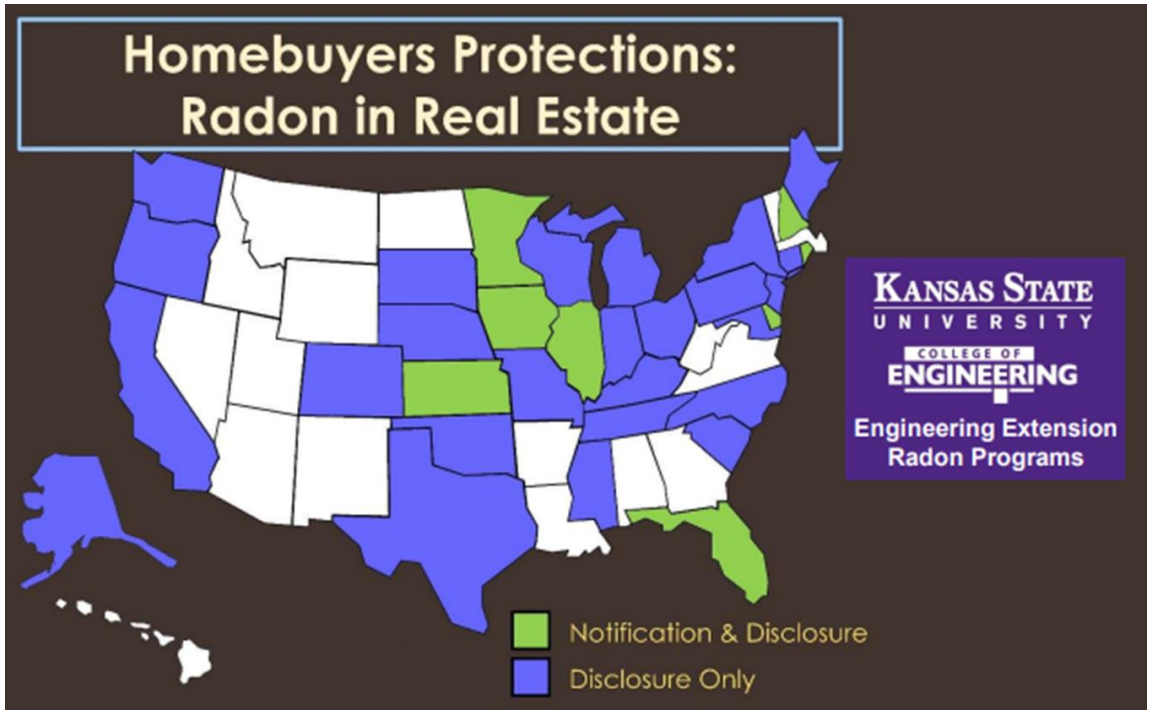
Homebuyer and tenant protection

Requirements at the point of sale or lease:

- Disclosure of known results
- Notification about radon hazard, with signed acknowledgments
- Testing and mitigation
- Expansion to tenants



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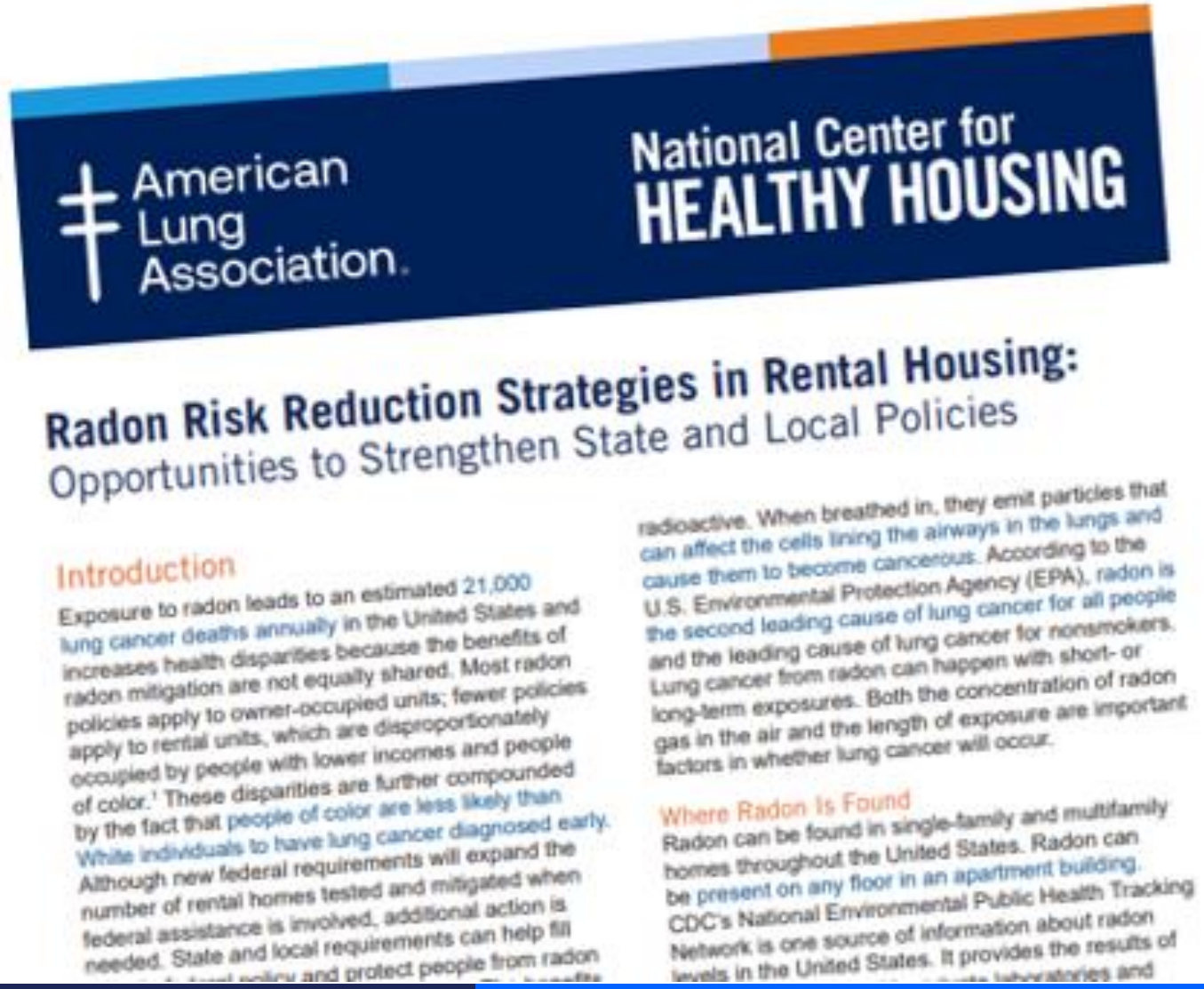
Rental housing policy brief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National Center for HEALTHY HOUSING

Radon Risk Reduction Strategies in Rental Housing:
Opportunities to Strengthen State and Local Policies

Introduction

Exposure to radon leads to an estimated 21,000 lung cancer deaths annually in the United States and increases health disparities because the benefits of radon mitigation are not equally shared. Most radon policies apply to owner-occupied units; fewer policies apply to rental units, which are disproportionately occupied by people with lower incomes and people of color.' These disparities are further compounded by the fact that people of color are less likely than White individuals to have lung cancer diagnosed early. Although new federal requirements will expand the number of rental homes tested and mitigated when federal assistance is involved, additional action is needed. State and local requirements can help fill

radioactive. When breathed in, they emit particles that can affect the cells lining the airways in the lungs and cause them to become cancerous. According to the U.S. Environmental Protection Agency (EPA), radon is the second leading cause of lung cancer for all people and the leading cause of lung cancer for nonsmokers. Lung cancer from radon can happen with short- or long-term exposures. Both the concentration of radon gas in the air and the length of exposure are important factors in whether lung cancer will occur.

Where Radon Is Found

Radon can be found in single-family and multifamily homes throughout the United States. Radon can be present on any floor in an apartment building. CDC's National Environmental Public Health Tracking Network is one source of information about radon levels in the United States. It provides the results of

Resources for Professionals available at www.lung.org/radon

Includes links, references to model laws and policies.

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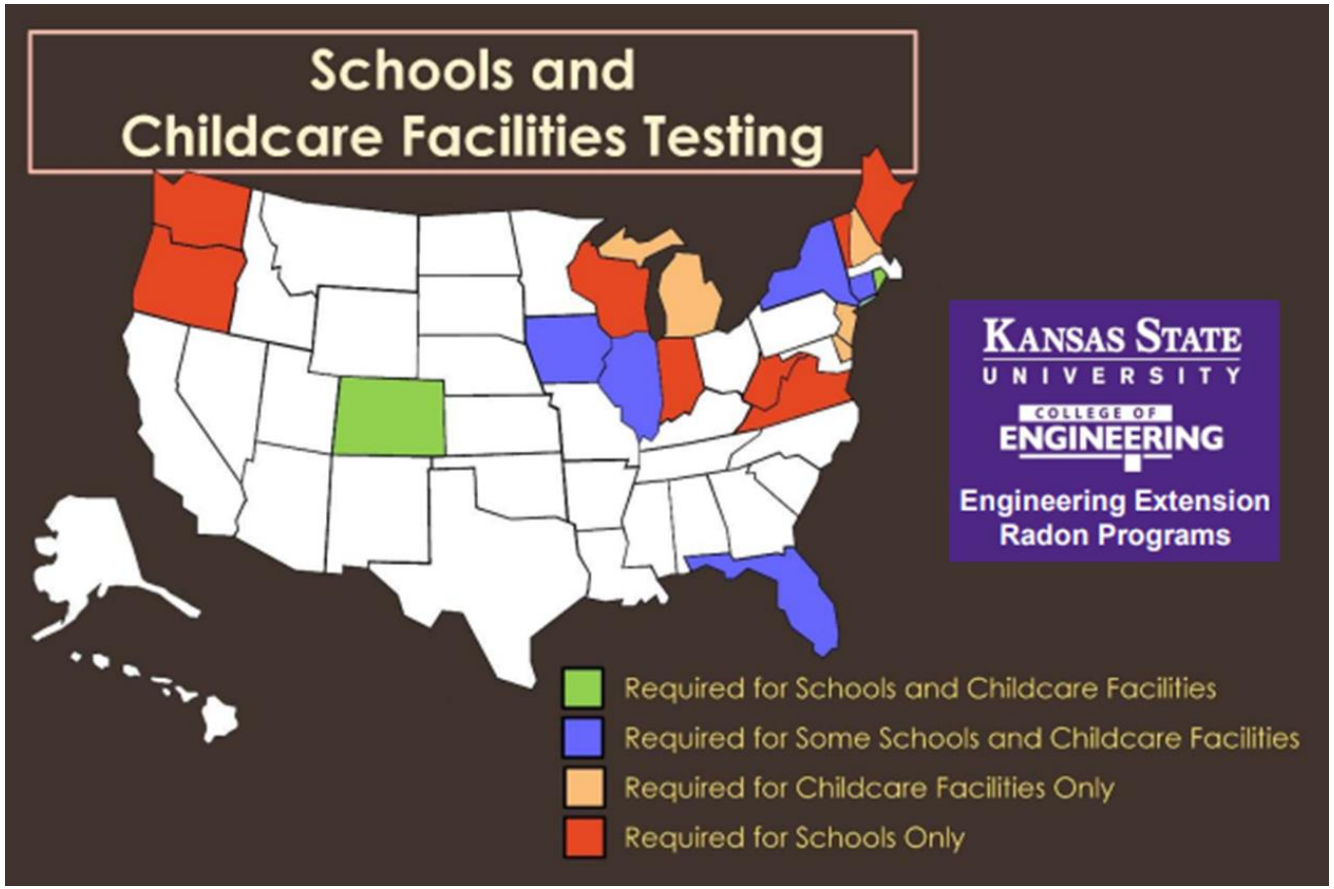
Schools and daycare protection



- Testing
- Mitigation
- Notification & disclosure

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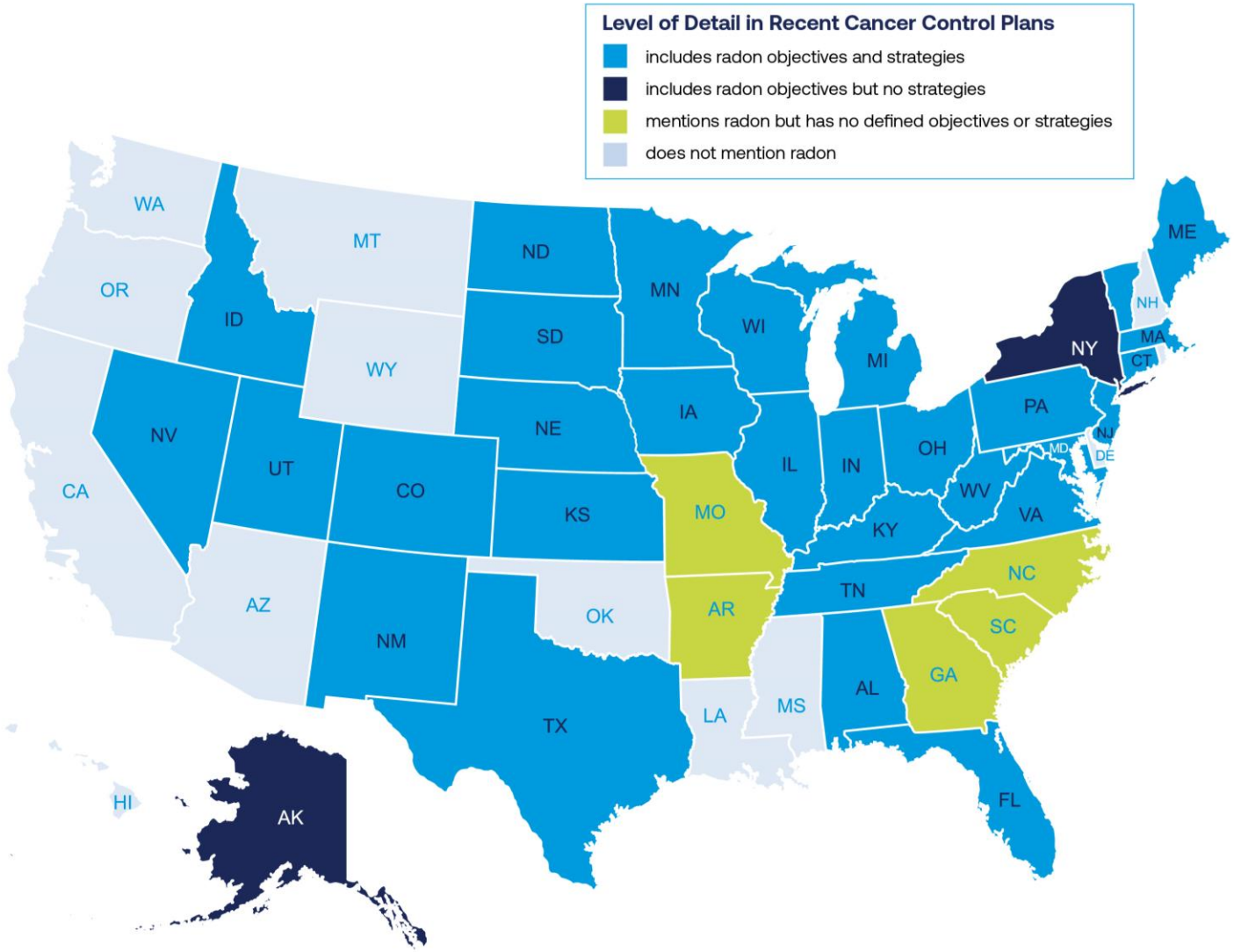
Radon in state cancer plans



As of 2024, the most recent cancer control plans among **36 states and tribal organizations** include some mention of radon.

There are **12 states** that either do not mention radon in their plans or have not updated their plans in several years.

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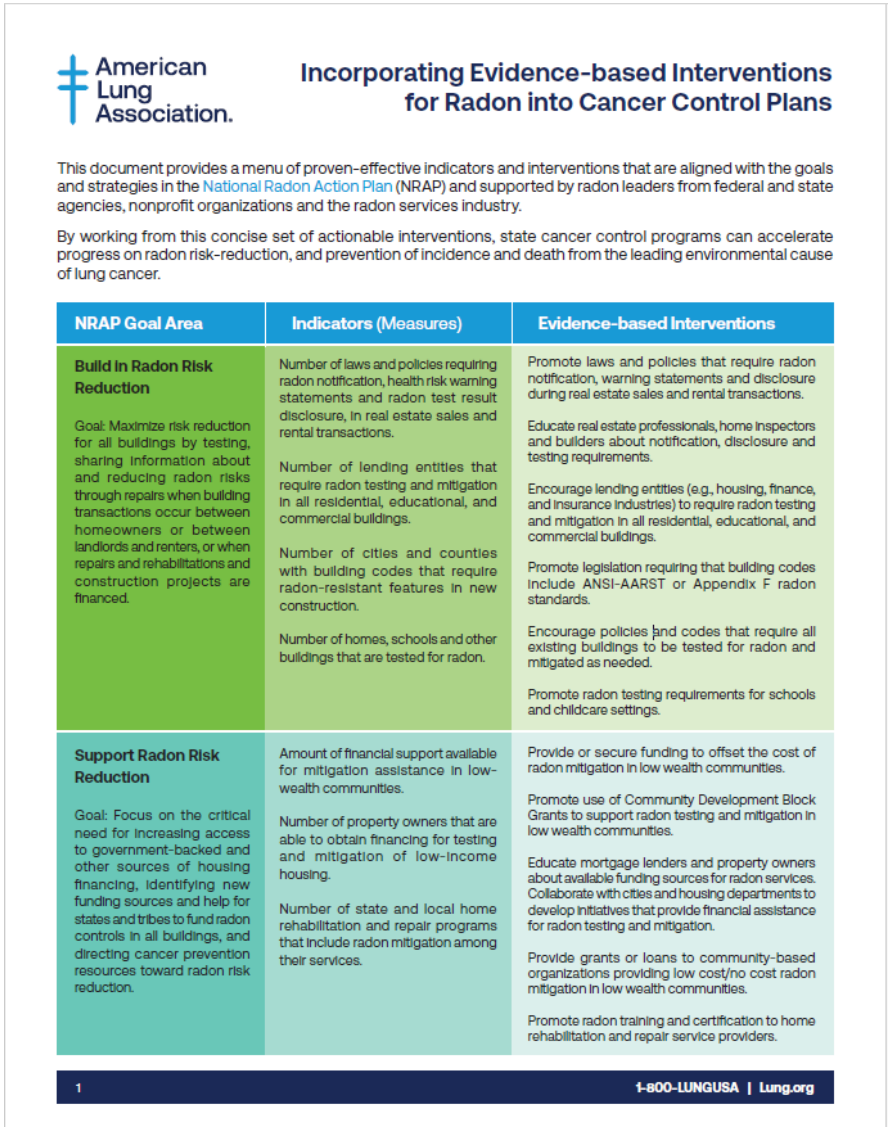
Evidence-based interventions



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Incorporating Evidence-based Interventions for Radon into Cancer Control Plans

This document provides a menu of proven-effective indicators and interventions that are aligned with the goals and strategies in the National Radon Action Plan (NRAP) and supported by radon leaders from federal and state agencies, nonprofit organizations and the radon services industry.

By working from this concise set of actionable interventions, state cancer control programs can accelerate progress on radon risk-reduction, and prevention of incidence and death from the leading environmental cause of lung cancer.

NRAP Goal Area	Indicators (Measures)	Evidence-based Interventions
Build In Radon Risk Reduction Goal: Maximize risk reduction for all buildings by testing, sharing information about and reducing radon risks through repairs when building transactions occur between homeowners or between landlords and renters, or when repairs and rehabilitations and construction projects are financed.	Number of laws and policies requiring radon notification, health risk warning statements and radon test result disclosure, in real estate sales and rental transactions. Number of lending entities that require radon testing and mitigation in all residential, educational, and commercial buildings. Number of cities and counties with building codes that require radon-resistant features in new construction. Number of homes, schools and other buildings that are tested for radon.	Promote laws and policies that require radon notification, warning statements and disclosure during real estate sales and rental transactions. Educate real estate professionals, home inspectors and builders about notification, disclosure and testing requirements. Encourage lending entities (e.g., housing, finance, and insurance industries) to require radon testing and mitigation in all residential, educational, and commercial buildings. Promote legislation requiring that building codes include ANSI-AARST or Appendix F radon standards. Encourage policies and codes that require all existing buildings to be tested for radon and mitigated as needed. Promote radon testing requirements for schools and childcare settings.
Support Radon Risk Reduction Goal: Focus on the critical need for increasing access to government-backed and other sources of housing financing, identifying new funding sources and help for states and tribes to fund radon controls in all buildings, and directing cancer prevention resources toward radon risk reduction.	Amount of financial support available for mitigation assistance in low-wealth communities. Number of property owners that are able to obtain financing for testing and mitigation of low-income housing. Number of state and local home rehabilitation and repair programs that include radon mitigation among their services.	Provide or secure funding to offset the cost of radon mitigation in low wealth communities. Promote use of Community Development Block Grants to support radon testing and mitigation in low wealth communities. Educate mortgage lenders and property owners about available funding sources for radon services. Collaborate with cities and housing departments to develop initiatives that provide financial assistance for radon testing and mitigation. Provide grants or loans to community-based organizations providing low cost/no cost radon mitigation in low wealth communities. Promote radon training and certification to home rehabilitation and repair service providers.

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- Consensus-based
- Outcome-oriented
- Tied to NRAP strategies

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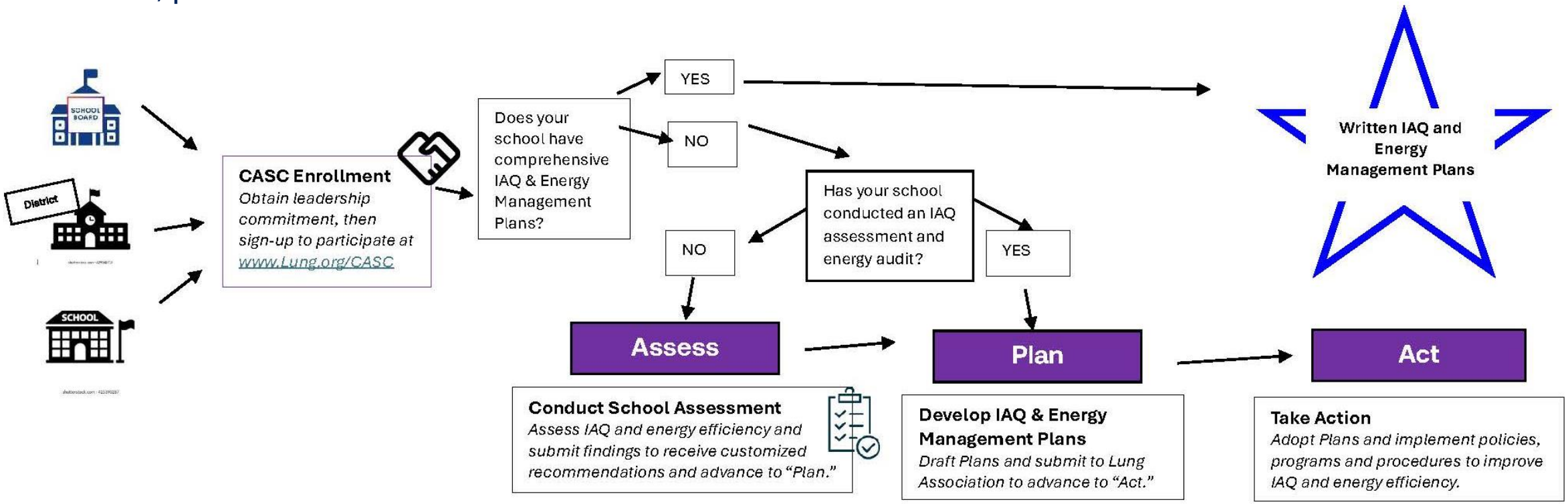
Clean Air School Challenge

Clean Air School Challenge

The Challenge meets schools where they are in their IAQ and energy efficiency management journeys. Participants receive support and guidance as they work their way through the 3 program phases: assess, plan and act.



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Clean Air School Challenge

Benefits of Participation

- Recognition
- Peer mentorship
- Education and Training
- Technical assistance
- Mini-Grants*
- Learning Collaborative Cohorts*
- Access to Lung Association programs and services

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**Opportunity exclusive to schools in low-income, disadvantaged, and Tribal communities*

Our Vision

A World Free of Lung Disease

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