



100 Radon Test Kit Challenge: Paradise

“Empowering Communities, Saving Lives”



Canadian
Cancer
Society





Project Overview:

- The *100 Radon Test Kit Challenge* program provides 100 radon test kits (or more), free of charge, to communities, to distribute to their citizens.
- “Turn-key program” provides tools and resources for each step of the process.
- No cost to participating communities: requires only staff time for organizing, distributing, and collecting test kits.



Canadian
Cancer
Society





The Challenge in Numbers

- 8 years
- 200 + Communities
- 10 provinces + 1 territory + First Nations + Métis
- Over 30 000 radon tests distributed
- Over 20 000 homes tested
- 74% completion rate, 58% mitigation rate (when needed)



2018-19

(9)

Moncton, NB
Salmon Arm, BC
Winnipeg, MB
Spruce Grove, AB
Golden, BC
Souris, MB
Port Colborne, ON
Baden, ON
Wabana, NL

2019 – 2020 (15)

Halifax, NS
Sherbrooke, QC
Brandon, MB
Dauphin, MB
Greater Madawaska
Region, ON
Summerland, BC
Valemount, BC
Coquitlam, BC
Abbotsford, BC
McBride, BC
Vaudreuil-Dorion, QC
Pembroke, ON
Harrison Park, MB
North Grenville, ON

2020 – 2021 (20)

Sicamous, BC
Peachland, BC
West Bank First Nation, BC
West Kelowna, BC
Kelowna, BC
Vernon, BC
Sundre, AB
Black Diamond, AB
Eston, SK
Silver Harbour, MB
Lakeshore, MB
Chatham-Kent, ON
Leeds & Thousand Islands, ON
Carleton-sur-mer, QC
Saint-Joseph du-Lac, QC
Lorraine, QC
Candiac, QC
Madawaska, NB
Mount Pearl, NL
Stephenville, NL

2021 – 2022 (30)

Barriere, BC
Peachland, BC
West Bank First Nation, BC
West Kelowna, BC
Kelowna, BC
Vavenby, BC
Clearwater, BC
Blue River, BC
Grand Forks, BC
Revelstoke, BC
Eatonia, SK
Weyburn, SK
Clarence-Rockland, ON
Ottawa, ON
Waterloo, ON
Mallorytown, ON
Candiac, QC
Percé, QC
Deux-Montagnes, QC
Saint-Augustin-des-
Desmaures, QC
Grand Falls, NB
Gander, NL
Harbour Breton, NL
Fogo Island, NL
7 Nations Communities, NB
Treaty 3 Communities, ON

2022 – 2023 (25)

Kimberley, BC
Kelowna, BC
West Kelowna, BC
Lake Country, BC
Peachland, BC
West Bank First Nation, BC
Salt Spring Island, BC
Chilliwack, BC
Mission, BC
Cultus Lake, BC
Hope, BC
Harrison and Kent, BC
Estevan, SK
Whitecap Dakota First
Nation, SK
Edenwold, SK
East St. Paul, MB
RM of Hanover, MB
Cavan Monaghan, ON
Ste-Anne-de-Bellevue, QC
Prévost, QC
Cantley, QC
Gaspé, QC
Beloeil, QC
Woodstock First Nation, NB
Riverview, NB

100 Test Kit Challenge communities, by year

100 Test Kit Challenge communities, by year



2023 – 2024

BC Cancer – Victoria, BC
Fort St. James, BC
Lumby, BC
Lillooet, BC
Keremeos, BC
Radium Hot Springs BC
Invermere, BC
Enderby, BC

Edmonton, AB
Innisfail, AB
Lacombe County, AB
RM of Miry Creek, SK (Abbey, SK)

Neepawa, MB
Dauphin, MB
Portage la Prairie, MB
Pinawa, MB

Augusta, ON
Woodstock and St. Thomas, ON

Pessamit, QC
Sainte-Julie, QC
Sainte-Marthe-sur-le-Lac, QC
Pincourt, QC
Maria, QC

Conception Bay South, NL
Logy Bay-Middle Cove-Outer Cover, NL
Gillams, NL
Pasadena, NL

Repeating in:

Regional District of Central Okanagan, BC
Woodstock First Nation, NB
Kimberley, BC
Fraser Valley Regional District, BC



100 Test Kit Challenge communities, 2024-2025



City of Rossland, BC

Oliver, BC

Atlin, BC

Strathcona Regional District, BC

Village of Nakusp, BC

Village of Kaslo, BC

RDCO, BC

Rock Creek, BC

Fraser Valley, BC

Lethbridge, AB

Village of Myrnam, AB

Village of Caronport, SK

RM of Macdonald, MB

RM of Yellowhead, MB

Haldimand-Norfolk Health & Social Services, ON

Kenora, ON

Township of Ashfield-Colborne-Wawanosh, ON

Valcourt, QC

Boisbriand, QC

Saint-Barbe, QC

Saint-Charles-sur-Richelieu, QC

Saint-Antoine-sur-Richelieu, QC

Beloeil, QC

Gaspe, QC

Listiqui, QC

Gesgapegiag, QC

Matimekush, QC

Pessamit, QC

Central York Rural Community, NB

Grand Bay, NB

Municipal District of St Stephen, NB

Municipality of Eastern Charlotte, NB

Butternut Valley, NB

Millbrook First Nation, NS

Charlottetown (North of Euston and area), PEI

Steady Brook, NL

Mount Pearl, NL

Conception Bay South, NL

St. Johns, NL



100 Test Kit Challenge communities, 2025-2026



Blackfalds
Bromont
CANE - Pine Falls
CANE - TBC
City of Langford
Conception Bay
Conne River/Miawpukek First Nation
Crabtree
Creston
Fundy Shores
Gaspé
Greater Sudbury
Holyrood
Kahnawake FN
L'Anse Au Loup
Lakeland Ridges
Litchfield
Millbrook FN
Miltonvale Park
Osoyoos
Paradise
Penticton
Portugal Cove-St. Philips

RDCO - Kelowna City Hall
RDCO - Lake County District
RDCO - Peachland
RDCO -RDCC
RDCO West Kelowna
RDCO Westbank FN
RDOS
RM of Minto-Minnedosa
RM of Rockwood
RM of Rockwood - Daycare centres
Salisbury
Shawville
St. Etienne de Beauharnois
St. John's
Stonewall
Terrasse-Vaudreuil
Village of Burns Lake
Wellington County

Program Goals

1) Distribute radon test kits to communities where there is a risk of elevated radon levels, and where testing has thus far been limited.

- *100 test kits distributed for 100 days*

2) Raise local radon awareness

- *community members with a personal report*
- *community champions receive a summary report*



3) Generate data in under-tested urban and rural regions of the country

4) Inspire legacy radon programming in participating communities

Community Participant Stats



Eurofins Radon Testing Sweden AB
Box 63
971 03 LULEÅ
SWEDEN

Website: radon.eurofins.se/en-gb/ C-NRPP ID: CAL-202502

Radon Test Report

Report Issue Date: «Report_Issue_Date»

Customer Contact Information: Tested Address:

«First_Name» «Last_Name» «Testing_Address»

«Mailing_Address» «City/Town», «Province» «Postal Code»

«Email» Device Location: «Device_Location»

Test Device Used: **AlphaTrack**
C-NRPP Listed Device - Quality Assurance Plan in place.

Detector S/N	Detector Type	Test Start Date	Test End Date	Test Duration	Test Result (Bq/m³)
«Detector_S/N»	AlphaTrack	«Test_Start_Date»	«Test_End_Date»	«Test_Duration»	«Test_Result_Bqm»

Results from Lab Section 4 authorized by «Lab Supervisor»
Margin of Error +/- «Margin of Error»
Symbol of "<" means "less than". This indicates that it was not detected at level stated above.

Recommendations:
«Additional_information_about_your_sample»
«Recommendations»

You can find a C-NRPP mitigation professional to help you here: <https://c-nrpp.ca/find-a-professional/>

Need help with interpreting this report? You can find information online: <https://takeactiononradon.ca/understanding-your-radon-test-report/>

The information in this report will be shared with the Take Action on Radon group.

Understanding your RADON TEST RESULTS

When you get your radon test report

Look for your radon level in order to make a decision of what you should do next.

The radon level will be reported in Bq/m³. This is a measurement of radioactivity because radon is a radioactive gas.

✓ If your radon level is below 200 Bq/m³, it is within the Canadian guideline. Consider retesting within the next 5 years.

! REDUCE LEVELS: When your radon level is reported at 200 Bq/m³ or more, take action to REDUCE radon levels within one year.

The Canadian guideline for radon in indoor air is 200 Bq/m³

If you've tested your home, and the radon concentration is above the Canadian guideline of 200 Bq/m³, Health Canada recommends that you take action to lower the concentrations.

The higher the radon concentrations, the sooner action should be taken to reduce levels to as low as practically possible. While the health risk from radon exposure below the Canadian guideline is small, there is no level that is considered risk free. It is the choice of each homeowner to decide what level of radon exposure they are willing to accept.

RADON LEVEL	LIFETIME RISK OF LUNG CANCER	LIFETIME RISK OF LUNG CANCER IF YOU SMOKE
Under 100 Bq/m³	1%	12%
100-199 Bq/m³	1.5%	15%
200-599 Bq/m³	2%	17%
600 Bq/m³ and over	4%	26%

Now that you have tested your home, encourage your friends and family to test too! They can find a radon test kit provider online: <https://takeactiononradon.ca/test-for-radon/radon-test-kits/#buykit>



Need to reduce your radon?

There may be financial programs available to help you. You can find information about radon grant or radon warranties on our website at: www.takeactiononradon.ca/protect

HOW TO FIND A CERTIFIED PROFESSIONAL
takeactiononradon.ca/test/find-a-radon-mitigation-professional
Certified radon mitigation professionals are trained to properly assess your home, and design systems to efficiently and effectively reduce your radon level.



Radon Mitigation System

A radon mitigation system is the most effective method of reducing radon levels. Research shows that certified radon professionals can reduce levels by over 90%. Other steps, such as increasing ventilation and sealing cracks, can help in the short-term but are less effective.

Find more information on radon reduction:

The Canadian National Radon Proficiency Program has a list of certified professionals to help with reducing radon levels.
Find more information on radon reduction at: www.c-nrpp.ca



Find information from Health Canada, including Radon Reduction Guide for Canadians at: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/radiation/radon-reduction-guide-canadians-health-canada.html>



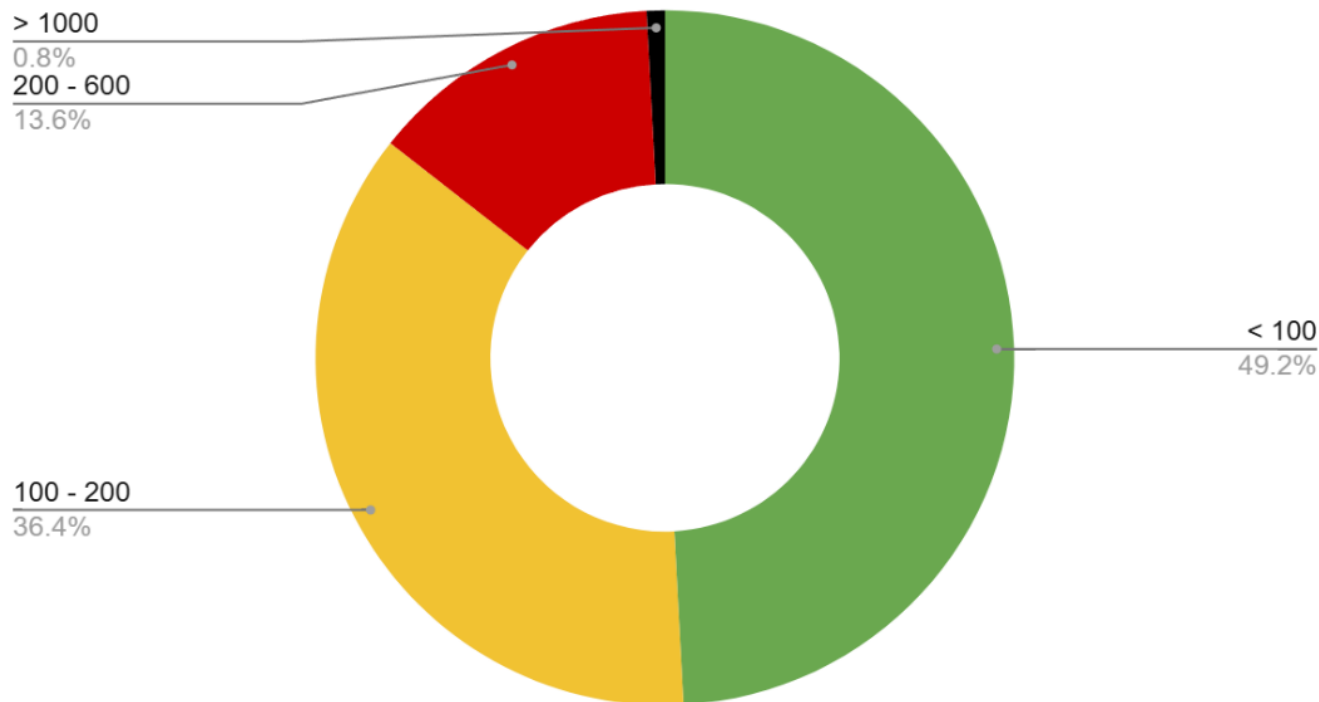
By now, each community member should have received an individual confidential report.

Detectors distributed	Start Surveys Completed	Detectors Returned	Reports Issued	Return Rate
151	127	119	118	78 %

	Detectors distributed	Start Surveys Completed	Detectors Returned	Reports Issued	Return Rate
2024-25	114	101	94	93	82 %

2025-26 Program

Paradise



14 % tested over 200 Bq/m³

118 Households Completed the testing

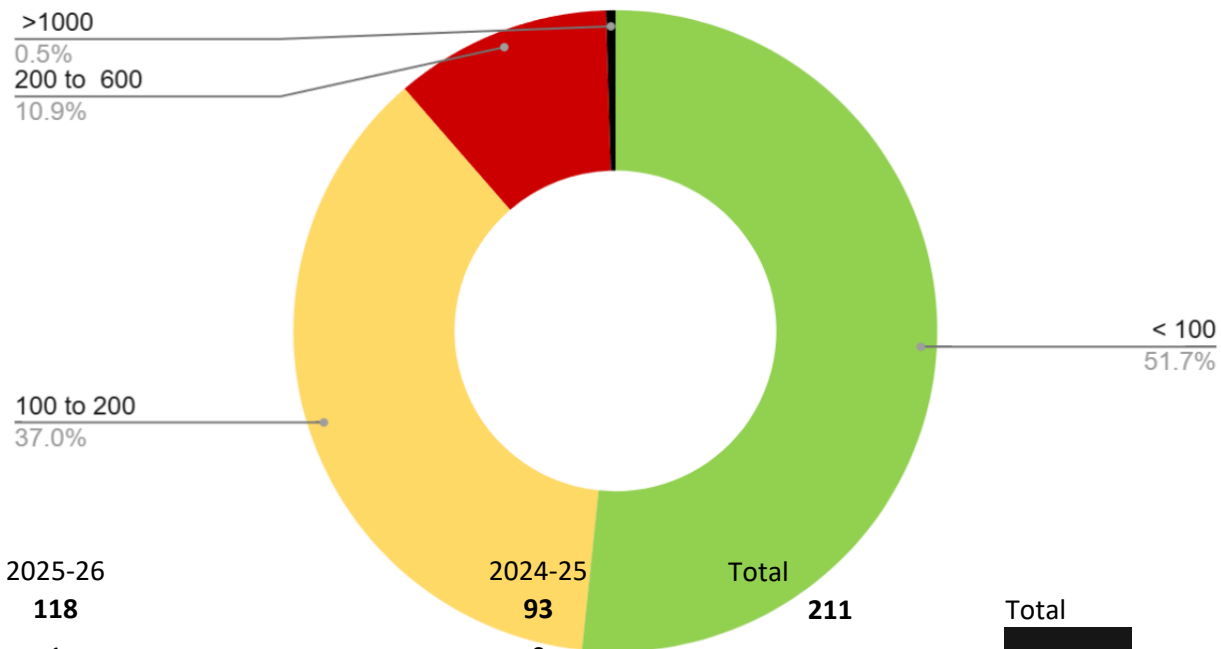
118

Total

1	0.8 %	Above 1000
0	0.0 %	Between 600 and 1000
16	13.6 %	Between 200 and 600
43	36.4 %	Between 100 and 200
58	49.2 %	Less than 100



Paradise 2024-26 Combined



2025-26
118

1
0
16
43
58

2024-25
93

0
0
7
35
51

Total

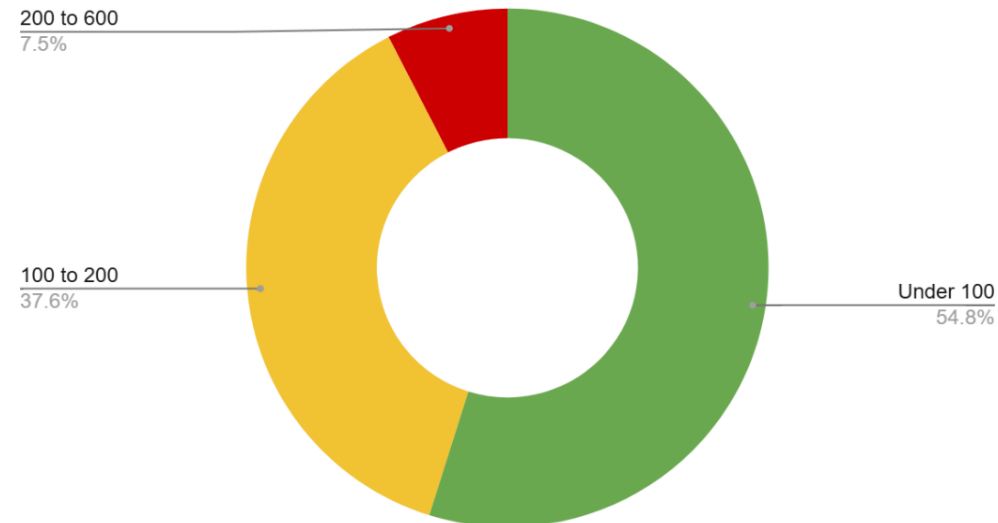
1
0
23
78
109

0.5%
0.0%
10.9%
37.0%
51.7%



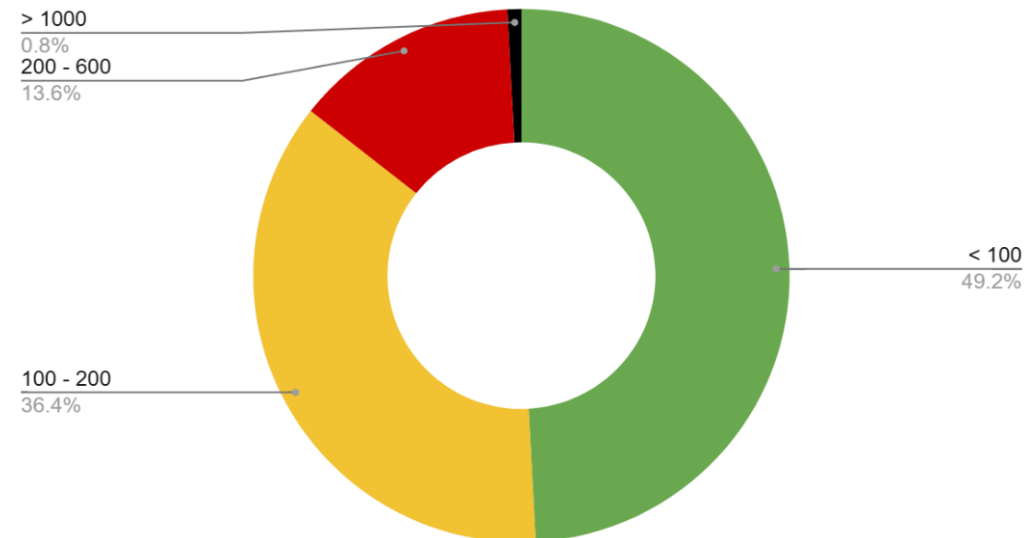
Results Breakdown for Paradise

2024-25



Paradise

2025-26



	2025-2026 100RTKC				Stats Canada		Past Survey data	
Postal Code	Number of Data points	Percentage of Tests above 200 Bq/m3	Average radon Level	Highest Radon Level	Private dwellings occupied by usual residents,	% of dwellings	Number of Data points	Percentage of Tests above 200 Bq/m3
A1L	111	14 %	115	409	8035	1.38 %	95	8 %

Quality Control

Duplicates		
Number of duplicate pairs distributed	Number of pairs that came back	Number of pairs that were split up
16	12	0

Quality Control

Blanks	
Blanks with return shipment	Amount of Radon Exposure
Three	negligible

Type of Home

	< 200	> 200	Total
Single Detached Home	64	12	76
Semi-detached home	2	0	2
Condo/apartment on second floor or above	1	0	1
			79

Owner or Renter

	< 200	> 200	Total
Own	65	12	77
Rent	2	0	2
			79

Intention to Mitigate if required

	< 200	> 200	Total
I am very likely to take action to reduce my radon level.	27	4	31
I am quite likely to take action to reduce my radon level.	34	10	44
I am undecided.	28	0	28
I am unlikely to take action to reduce my radon level.	2	1	3
			106

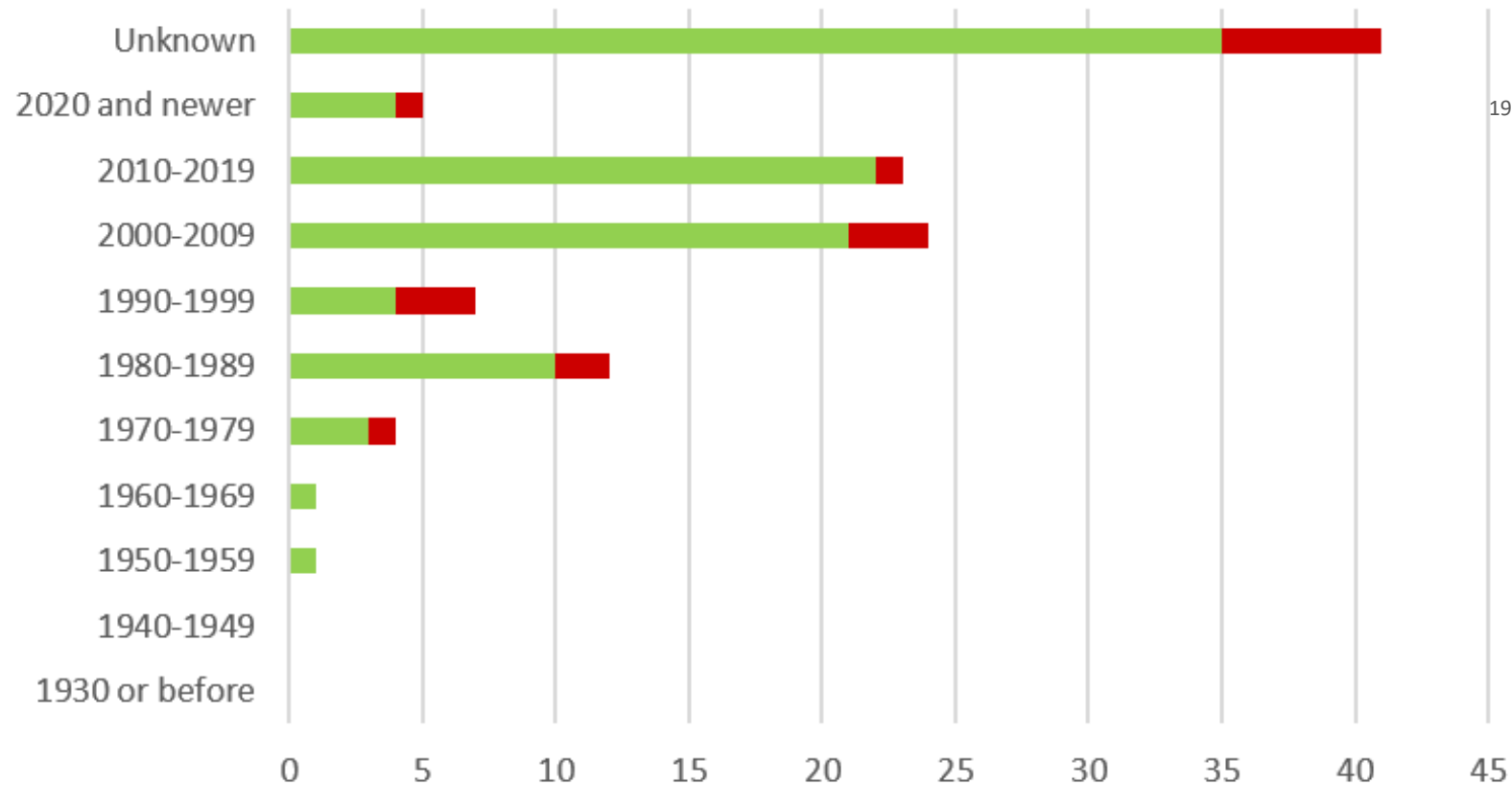
Have you previously tested for radon?

	< 200	> 200	Total
Yes, with 100TK	0	2	2
Yes	0	1	1
No	97	13	110
			113

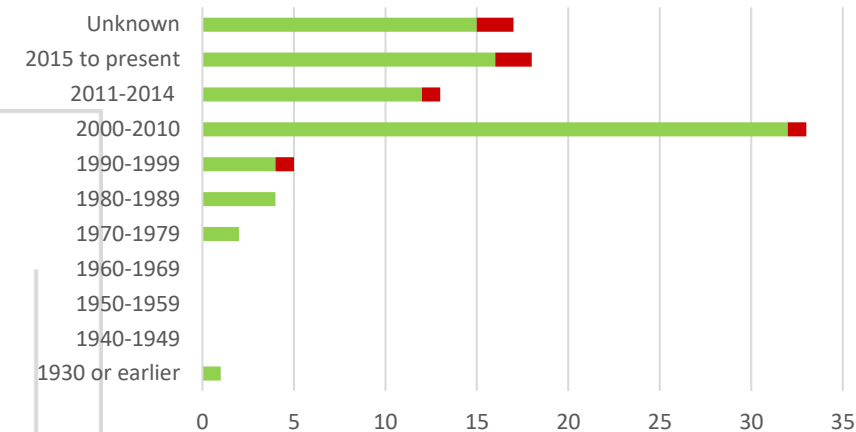
Existing radon system?

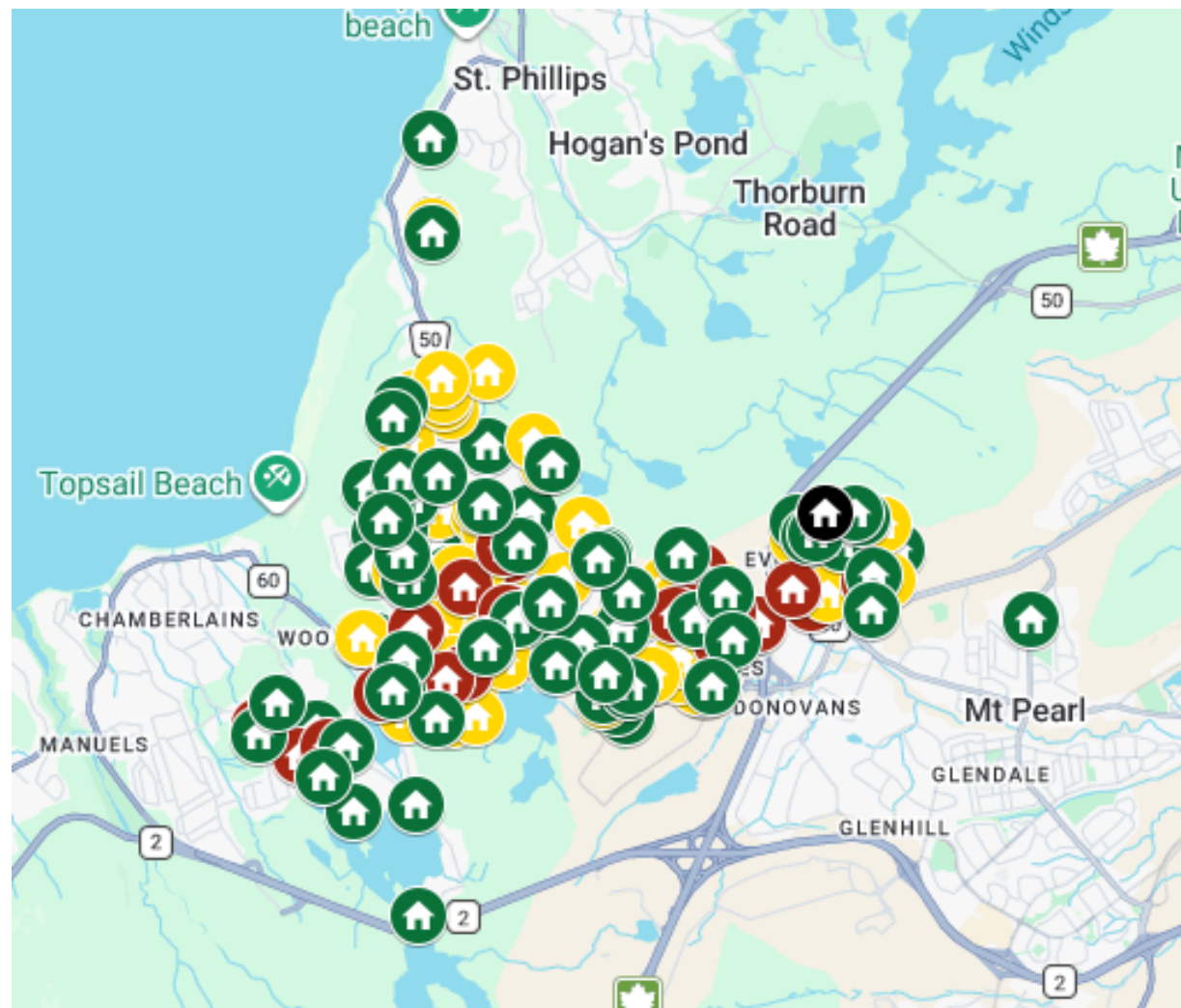
	< 200	> 200	Total
No	79	14	93
I don't know	13	1	14
Radon rough-in	2	0	2
Passive stack	0	0	0
Full system with fan	3	1	4
			113

Results by Year of Construction - Paradise

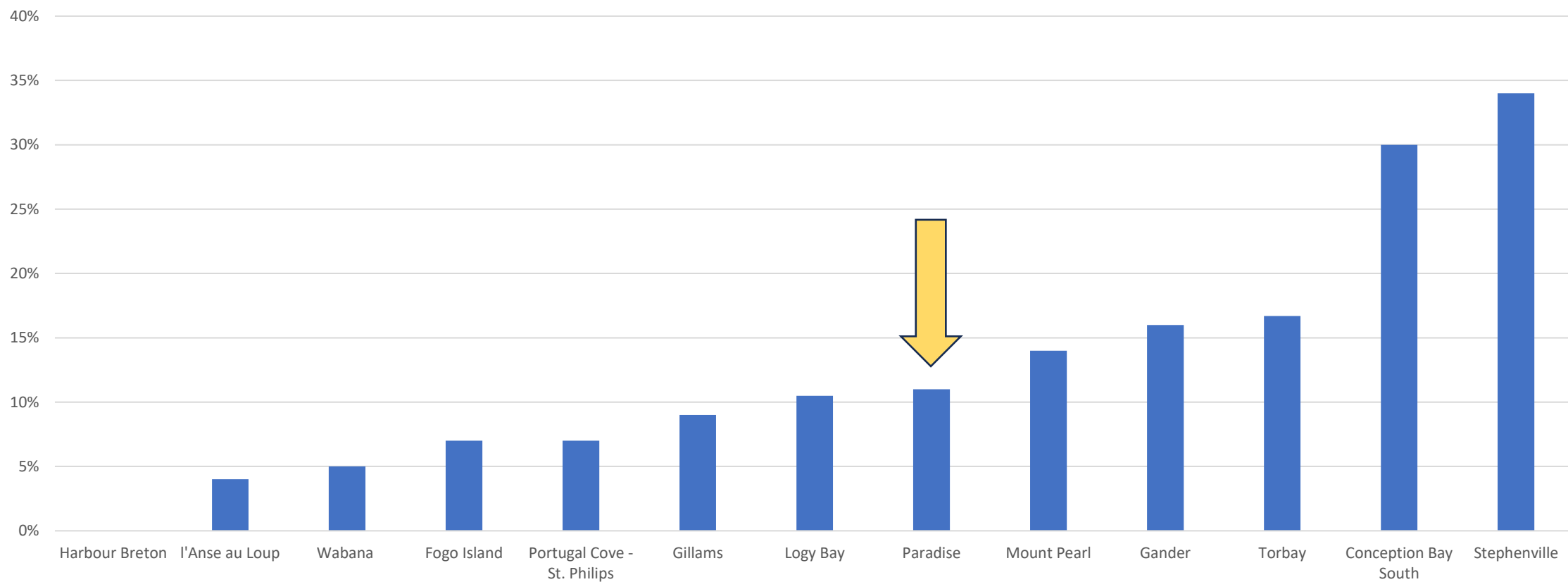


24-25 Results by Year of Construction - Paradise





Percentage of Homes that Tested above 200 Bq/m3



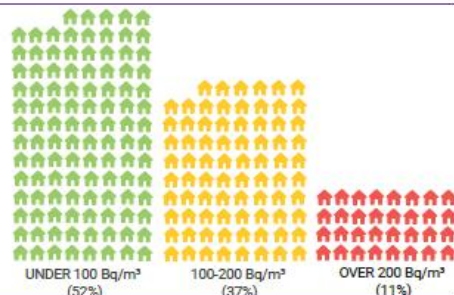
Community Report



100 Radon Test Kit Challenge

211 homes participated by testing for radon gas during the winter of 2024-2026 using 91-day alpha track tests. This represents approximately 2% of the community dwellings.

11%
of homes tested
above Health
Canada's guideline
of 200 Bq/m³



Radon is a naturally occurring radioactive gas that comes from the ground.



Exposure to elevated levels of radon is linked to increased chances of developing lung cancer.

Levels can vary between neighbouring houses.
The only way to know your radon level is to test.



When you get your radon test report

Look for your radon level in order to make a decision of what you should do next.

The radon level will be reported in Bq/m³. This is a measurement of radioactivity because radon is a radioactive gas.



If your radon level is below 200 Bq/m³, it is within the Canadian guideline. Consider retesting within the next 5 years.



REDUCE LEVELS:
When your radon level is 200 Bq/m³ or more, take action to REDUCE radon levels within one year.

The Canadian guideline for radon in indoor air is 200 Bq/m³

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Now that you have tested your home, encourage your friends and family to test too! They can find a radon test kit provider online: takeactiononradon.ca/test-for-radon/radon-test-kits/#buykit



HOW TO FIND A CERTIFIED PROFESSIONAL

takeactiononradon.ca/test/find-a-radon-mitigation-professional
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Need to reduce your radon?

There may be financial programs available to help you. You can find information about radon grants or radon warranties on our website at:

www.takeactiononradon.ca/protect



Radon Mitigation System

A radon mitigation system is the most effective method of reducing radon levels. Research shows that certified radon professionals can reduce levels by over 90%. Other steps, such as increasing ventilation and sealing cracks, can help in the short-term but are less effective.

Construction of New Homes

The Newfoundland and Labrador Building Code allows each municipality to introduce building code measures. Mount Pearl Building Code has recently made it a requirement to include the installation of a short "radon stub pipe" through the basement floor of new houses. This is not a complete radon mitigation system; it is simply the connection point if a system is required.

Every home needs to be tested for radon for at least 91 days, during the heating season to determine if a mitigation system is required.

Multi-year testing:

This report presents results from 2 years of testing.

	2024-25	2025-26
# of tests	93	118

Find more information on radon reduction:

The Canadian National Radon Proficiency Program has a list of certified professionals to help with reducing radon levels.

Find more information on radon reduction at: c-nrpp.ca/find-a-professional



Find information from Health Canada, including the Radon Reduction Guide for Canadians at: www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/radon/radon-reduction-guide-canadians-health-canada.html



NEXT STEPS – for Participants:

Individual
reports

FAQs

Community
Report

Regional
Webinar

Participants should
have their individual
report, *COMPLETED*

Link to FAQs – Resource for
Community Liaisons
Currently available

Email to participants –
re: Community report.
*After Mayor and
Council have been
briefed*

Pre-recorded
Webinar for
participants.
Recorded.

Community addresses lung cancer risk: residents test radon gas levels at home

Paradise, NL (September **, 2026) - A new report available online found that 11% of the homes tested in the Town Paradise had radon levels above the Canadian guideline level. Health Canada recommends that all homes in Canada should be tested for radon. Residents participated in the national “100 Radon Test Kit Challenge” which to date has provided over 30,000 radon tests to communities across Canada. This was the second year that the Town of Paradise provided opportunities for their communities to access radon test kits.

“We were pleased to see so many residents recognize the importance of testing their home for radon,” says Pam Warkentin, Project Manager at *Take Action on Radon*. “Our community approach to the 100 Radon Test Kit Challenge means that no one needs to feel they’re the only one testing their home for radon. Everyone knows that they are one of many families in their community who are taking their radon exposure seriously.”

Radon is an odourless, colourless, radioactive soil gas that can build up to dangerous levels in indoor air, making it the leading cause of lung cancer in non-smokers. In Newfoundland and Labrador the The Newfoundland and Labrador government are testing and mitigating their public housing units.

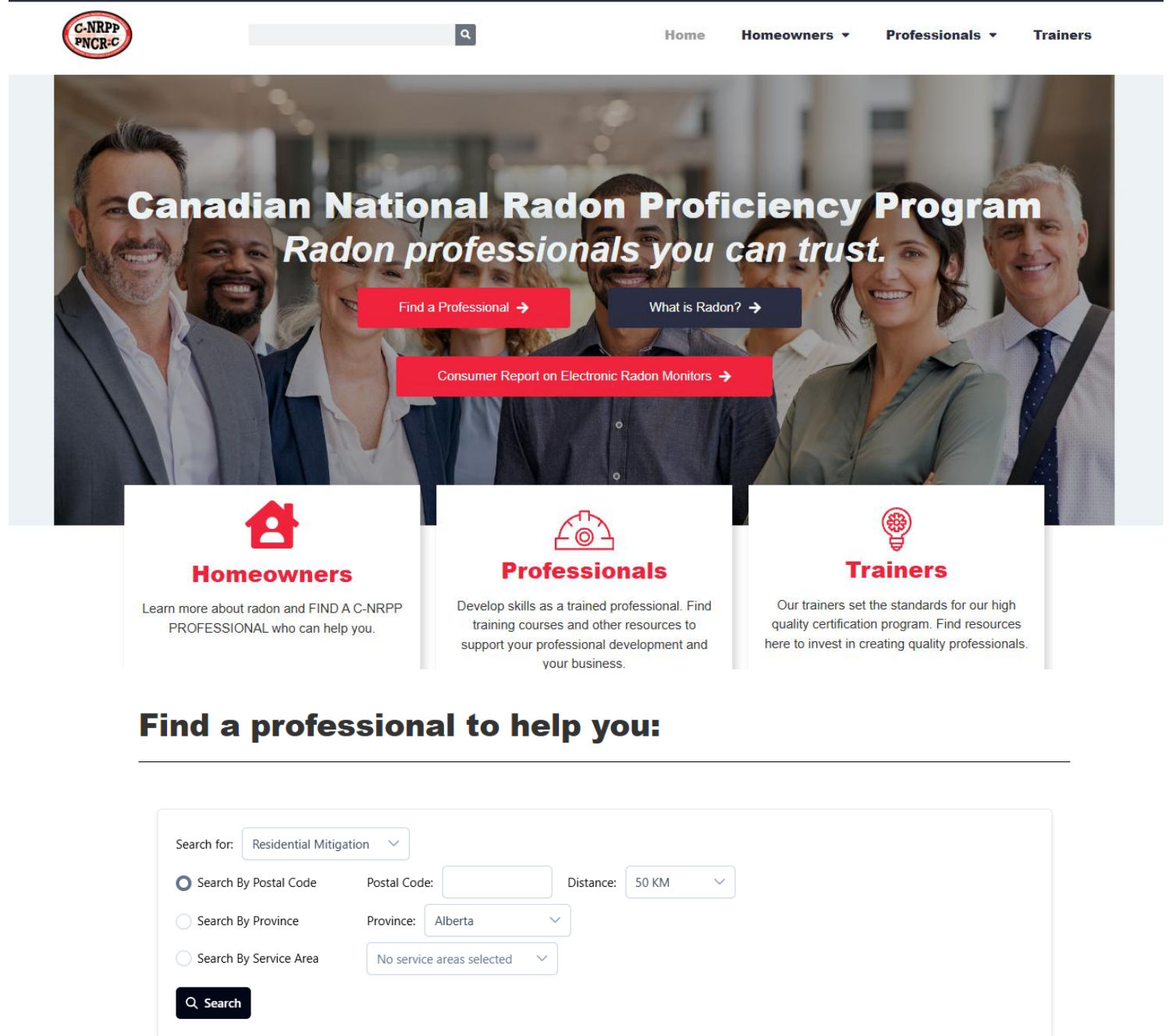
LOCAL QUOTE

draft

C-NRPP Professionals

- Certified Mitigation Professionals course in both Measurement and Mitigation
- C-NRPP Mitigation Professionals are required to have insurance

List of professionals available at
www.c-nrpp.ca/find-a-professional/



The screenshot shows the C-NRPP website homepage. At the top is the C-NRPP logo and a navigation menu with links for Home, Homeowners, Professionals, and Trainers. The main banner features a group of smiling professionals and the text "Canadian National Radon Proficiency Program" and "Radon professionals you can trust." Below the banner are three red buttons: "Find a Professional", "What is Radon?", and "Consumer Report on Electronic Radon Monitors". The page is divided into three columns: Homeowners (with a house icon), Professionals (with a gear icon), and Trainers (with a lightbulb icon). Each column contains a brief description of the service. At the bottom, there is a section titled "Find a professional to help you:" followed by a search form. The search form includes a dropdown for "Search for:" (set to "Residential Mitigation"), radio buttons for "Search By Postal Code", "Search By Province", and "Search By Service Area", and input fields for "Postal Code:", "Province:" (set to "Alberta"), and "Distance:" (set to "50 KM"). A "Search" button is at the bottom of the form.

Homeowners
Learn more about radon and FIND A C-NRPP PROFESSIONAL who can help you.

Professionals
Develop skills as a trained professional. Find training courses and other resources to support your professional development and your business.

Trainers
Our trainers set the standards for our high quality certification program. Find resources here to invest in creating quality professionals.

Find a professional to help you:

Search for: Residential Mitigation

☒ Search By Postal Code Postal Code: Distance: 50 KM

☐ Search By Province Province: Alberta

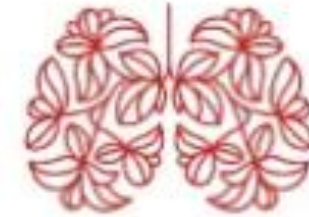
☐ Search By Service Area No service areas selected

Search

LUNGS MATTER

Financial support for
home radon
mitigation

Radon is the second-leading cause of lung cancer in Canada...it can also be

Lungs Matter
Home Radon Mitigation Grant ProgramB R E A T H E
the lung association

In Partnership with



The Canadian Lung Association has recently launched a new grant program to help people across Canada afford radon mitigation services.

The Lungs Matter Grant Program aims to provide financial support to individuals who have been diagnosed with lung cancer and individuals considered a low-moderate income households with priority given to the low-income households.

<https://www.lung.ca/lungs-matter-radon-mitigation-support>



Tax Credit for Radon Measurements

Those working from home can claim the expense of testing their workspace for radon!

Learn more on our website.

www.carst.ca/HomeownerHealth#CRA



BREATHE
the lung association

Radon Action Examples in Canada:

Across Canada, some actions taken by governments and other institutions include:

- Radon reduction requirements in building codes,
- Promoting radon awareness and testing on websites,
- Testing of public buildings: government offices, schools, daycares, and social housing,
- Inclusion of radon in real estate Property Disclosure Statements and guidance on professional obligations for real estate agents to treat radon as a latent defect,
- Coverage for elevated radon in New Home Warranty claims,
- Requirement of radon mitigation in rental properties by some tribunals for landlord-tenant disputes; and,
- Clarifying guidelines for radon in the workplace.

Radon Action Guides - Health Canada

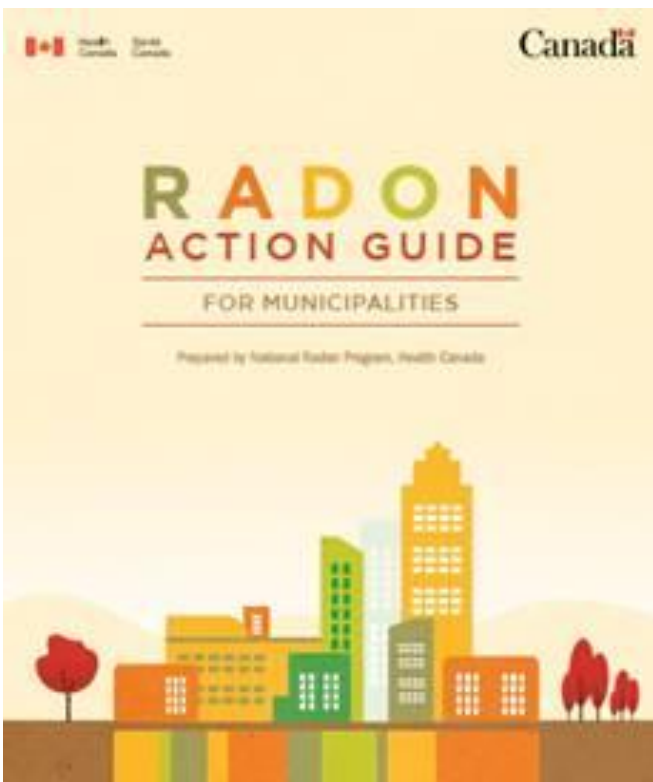
Health Canada's National Radon Program has developed Radon Action Guides designed to help provinces, territories, and municipalities across Canada develop programs and policies to address radon.

The Radon Action Guide for Municipalities describes:

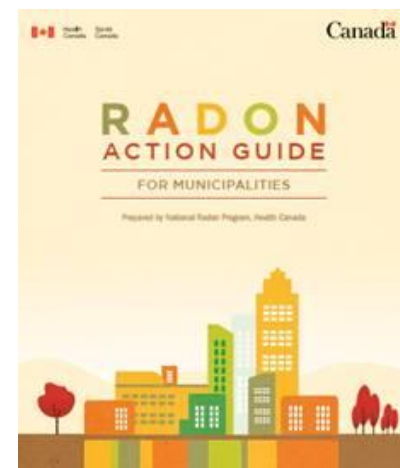
- why municipalities should take action
- how to create radon action strategies
- important steps to take to reduce radon-induced lung cancer in communities

Municipalities can become leaders in advancing radon action through:

- policy development
- education and awareness
- creating databases and maps
- supporting community testing
- enforcing radon provisions in Building Codes



<https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/radon/action-guides/municipalities.html>



Radon Action Guide:

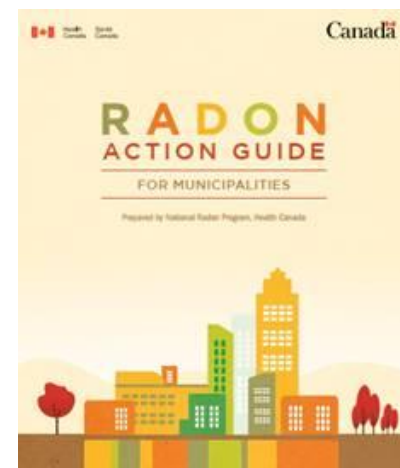
How to create radon action strategies?

Every good strategy, starts with a plan.

- ☐ Develop RADON PLANS and include collaboration, consultation, partnerships, and independent organizations that have a strong presence at the local level and can play an important role concerning radon.

Core features of a Radon Action Plan, include:

- ☐ Delivering annual public education and awareness campaigns during November, Radon Action Month in Canada.
- ☐ Conducting community testing to gain better understanding of local radon levels.
- ☐ Adopting goals of reducing indoor radon exposure in the community.
- ☐ Establishing specific bylaws and operating policies covering building code enforcement, rental accommodation, municipal owned buildings, and publicly accessible places.
- ☐ Consider selling test kits as a way to increase testing, provide low cost options and collect radon data in their communities.
- ☐ Consider setting up a radon monitor lending program



Radon Action Guide continued:

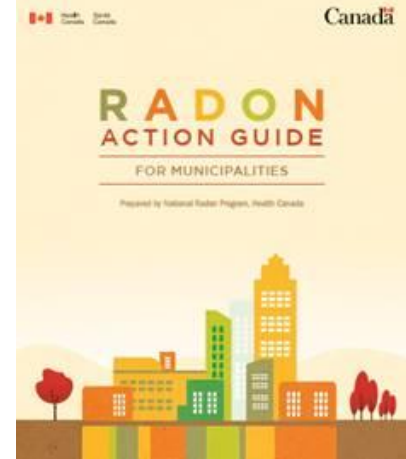
Important steps to take to reduce radon-induced lung cancer in communities

Risk management: Municipalities are employers, building owners and operators and at times landlords - general duties to ensure spaces are safe. Municipalities are also subject to a duty of care when inspecting buildings.

- ☐ Municipality owned/occupied buildings for radon and reduce high levels
- ☐ Provide training to building officials on updated building codes with respect to radon
- ☐ Addressing radon in social housing is an ethical and socially responsible action for municipalities to take. In some cases, municipalities may also control schools, daycares, and other facilities for which radon action is also important.

Increasing value of building stock: Certified mitigators can reduce radon levels to safe levels, which can become a selling feature because it assures users and owners that radon has been dealt with, increasing the value of the home or business.

- ☐ Support local business development and encourage local companies to become C-NRPP certified
- ☐ Provide financial support through grants/subsidies to support the cost of radon mitigation



Radon Action Guide continued:

Legal Powers: Most provinces' municipal legislation mentions protecting health and safety as part of the general purposes of a municipality or allows for bylaws concerning health.

Municipalities enforce areas which make up core components of radon policy, including:

- ☐ building codes
- ☐ construction permits
- ☐ standards of maintenance for rental accommodation
- ☐ air quality in indoor public spaces (as is currently done for smoking)