# Colorado Radon Data

Margaret Horton, MPH | April 20, 2023

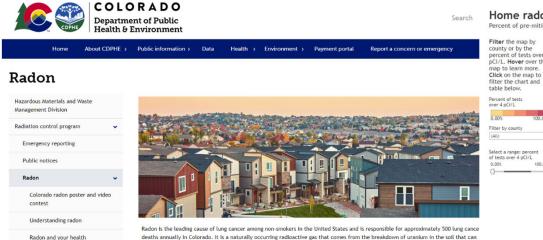


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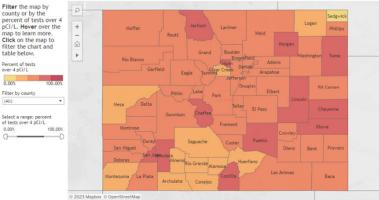
# Overview

- Background information
- Radon data process
- Live demonstration
- Data deep dive

## Background



Search Home radon test results by county, 2005-2021 Percent of pre-mitigation home radon tests with results over the action limit (4 pcl/L)



- CDPHE Radon Program and Environmental Public Health Tracking (EPHT) Partnership
- Websites:
  - CDPHE Radon Program

enter your home from the soil beneath it.

- CDPHE EPHT Radon Data
- CDC Environmental Public Health Tracking data portal



#### **Data process**

#### Receive data from labs

#### Clean and standardize

#### Add to dashboards

The Colorado Radon Program receives radon data from 8 labs:

- Accustar
- Airchek
- AlphaEnergy
- EMSL
- Prolabs
- Radonova
- RSI
- RTCA

EPHT prepares data according to CDC radon data standards. Radon data is shared with CDC for inclusion in the national Tracking Network.

Data is also added to the Colorado radon data dashboard.



## About the radon dataset

#### What's included in the dataset?

- All valid, indoor air radon test results with a Colorado address
- Short- and long-term *passive* test kit types (e.g. processed by a lab)

# What's **not** included in the dataset?

- Radon in water test results
- *Active* test results (e.g. testing methods that deliver an immediate, on-site result to a certified professional)

# What can we conclude with this data?

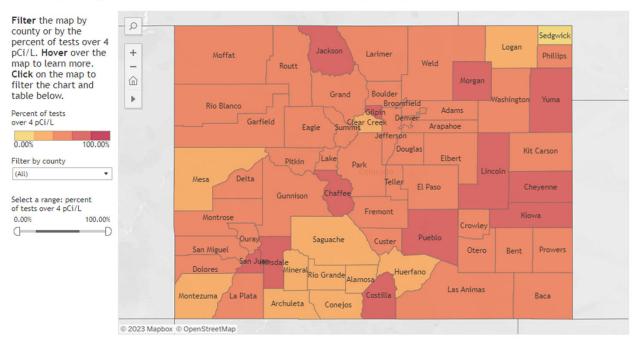
- This data best represents radon **testing** in Colorado.
- This data should be used cautiously when discussing "average radon levels" in a community.
  - Household radon levels can vary significantly within the same neighborhood.



#### **Radon dashboard demonstration**

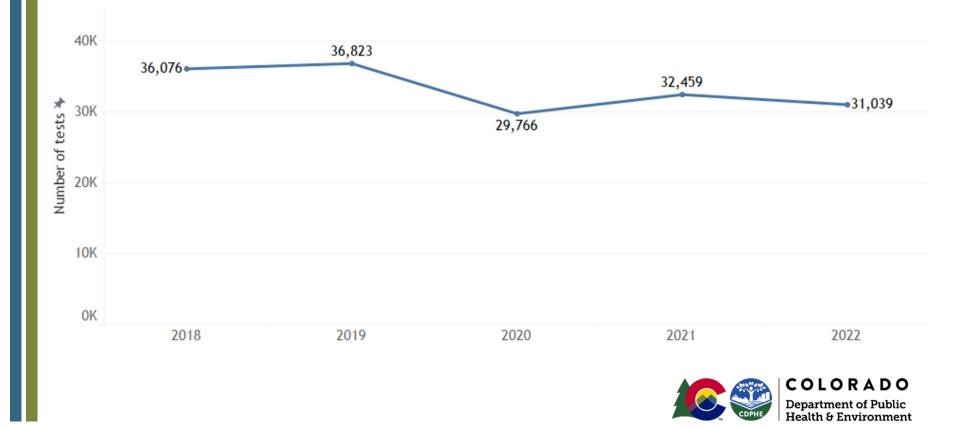
#### Home radon test results by county, 2005-2021

Percent of pre-mitigation home radon tests with results over the action limit (4 pCi/L)



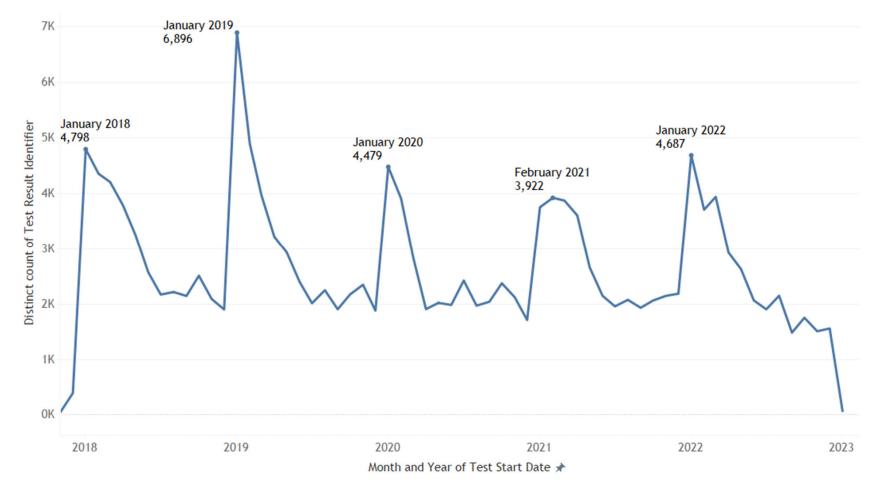
CDPHE radon data website

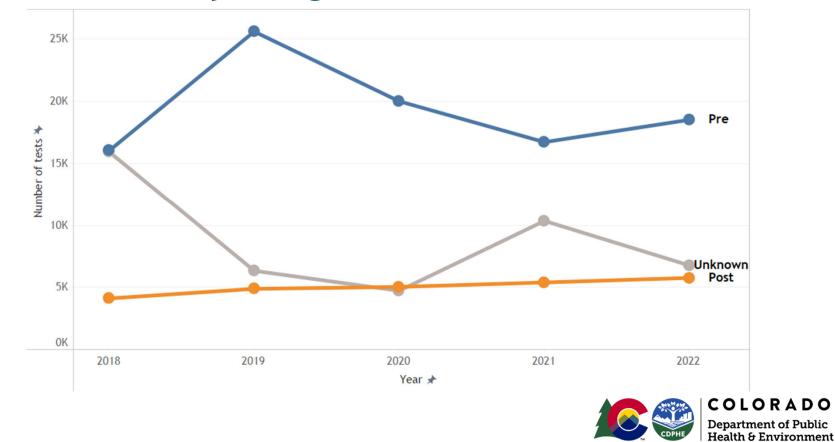




## Colorado radon testing by year

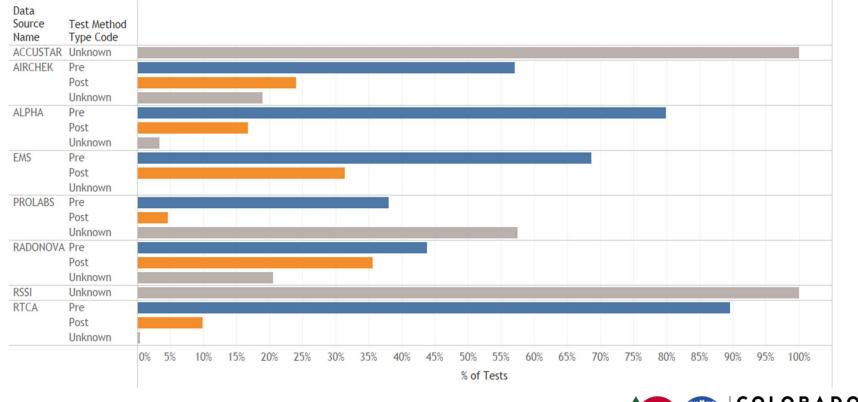






#### Radon tests by mitigation status over time

## Mitigation status by lab





# Radon data in action

Targeted radon outreach through the NextDoor app

#### Low Income Radon Mitigation Assistance Program

- Created by Colorado HB 16-1141:
  - Provides funding to assist low income individuals with the installation of radon mitigation systems in their homes.
- Program qualifications (simplified):
  - Radon test result above 4 pCi/L
  - House is owner-occupied
  - Owner meets the low income limits



## Nextdoor app

Get the most out of your neighborhood with Nextdoor It's where communities come together to greet newcomers, exchange recommendations, and read the latest local news. Where neighbors support local businesses and get updates from public agencies. Where neighbors borrow tools and sell couches. It's how to get the most out of everything nearby. Welcome, neighbor.



Essential

Relevant news and information from neighbors, businesses, and public agencies in real time.



Local The only way to instantly connect to the people, businesses, and happenings near your home.



**Trusted** A secure environment where all neighbors are verified. Nextdoor for Public Agencies program allows various government entities to launch information to Nextdoor neighborhoods across their municipality.

#### Instantly connect with your neighborhood





## **Targeted outreach on Nextdoor**

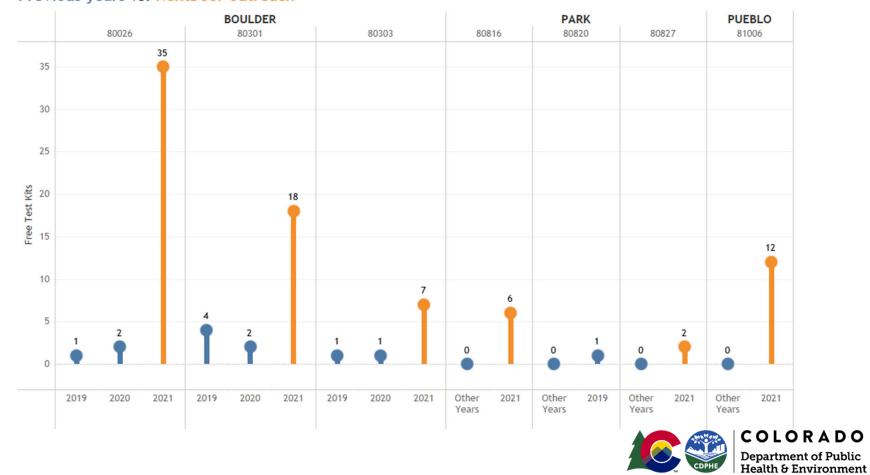
- Colorado Tracking analyzed Census data to identify census tracts with the highest proportion of owner-occupied housing units AND the highest proportion of low-income residents.
  - Identified 4 census tracts to use for the pilot initiative
  - Translated census tracts to zip codes with HUD USPS zip code crosswalk files.
- Nextdoor post included information about radon, a link to request a free radon test kit, and information on the LIRMA program
  - The post was primarily in English with key information repeated in Spanish



### Targeted outreach on NextDoor

- CDPHE ran two ad campaigns on Nextdoor in February and March 2021, targeting all zip codes that were associated with the four target census tracts.
  - Using zip codes expanded the area beyond the target census tracts.
- 107 free test kits were distributed through the Nextdoor link
  - 80 test kits went to the targeted zip codes (74.8%)
    - 7 free test kits were sent to these zip codes during the same time period in 2019 and 5 were sent in 2020
  - 27 test kits were sent to non-targeted zip codes (25.2%)





#### Free test kits sent to targeted zip codes by year, February 25-June 1 Previous years vs. NextDoor outreach

# Questions?



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# Thank you!

Margaret Horton margaret.horton@state.co.us



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