

Content Domain: Radon Data from Labs

**Recommendations for
Nationally Consistent Data and Measures**

Revised: May 27, 2021

CDC estimates the average public reporting burden for this collection of information as 50 hours per response, including the time for reviewing instructions, searching existing data/information sources, gathering and maintaining the data/information needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB Control Number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS H21-8, Atlanta, Georgia 30333; ATTN: PRA (0920-1175).

Data Dictionary for Data Submission

Labs Radon Data

National Environmental Public Health Tracking Network

Characteristic	Description
Data Source	Private radon testing labs
Purpose	This data set contributes to the Environmental Public Health Tracking Network. The Content Workgroup Radon Team identified nationally consistent data sources and developed a nationally consistent indicator and measures of radon in air.
Geographic Level	County or census tract
Restrictions	This is a restricted access data set. Data will be displayed via the national public portal only when sufficient conditions have been met to protect data privacy.
Last Revised	May 27, 2021
Instruction for Use	This data dictionary is a reference for creating the Radon data for submission. Refer to the Radon schema for the order of variables and final data structure.

LABS RADON DATA DICTIONARY

Environmental Public Health Tracking

Field Name	Field Description	Data Type	Code Scheme	Legal Values	Field Length	Required
Header Information for Labs	Code to identify the lab	String	XX	01 - 50	2	Required (provided by CDC)
RowIdentifier	An identifier for each row of data	Integer	1 - nnnn The maximum RowIdentifier should be equal to the number of test results submitted for that year.	Consecutive numerical identifier for each record in the dataset.	N/A	Required
TestYear	The year the data are assigned to, i.e., the year analysis completed	Integer	YYYY	Ex: 2018	4	Required
StateFIPSCode	State FIPS Code where test was taken	String	XX	01-50	2	Required
CountyFIPSCode	County FIPS Code where test was taken	String	XXXXX	A valid county FIPS Code for the state and county in which test was conducted	5	Required
AddressPostalCode	5-digit zip code and 4-digit extension code (if available)	String	xxxxx or xxxxx-xxxx	Example: 19145 or 19145-5208	5 or 10	Optional

LABS RADON DATA DICTIONARY

Environmental Public Health Tracking

Field Name	Field Description	Data Type	Code Scheme	Legal Values	Field Length	Required
CensusTract	Consists of the 2-digit state FIPS code, the 3-digit county FIPS code and the 6-digit code for the census tract	String	XXXXX	Ex: Census Tract 48201533701 is located in Harris County, Texas. The 48 is the FIPS code for Texas; the 201 is the FIPS code for Harris County; and the 533701 identifies the specific Census Tract. Alpha Numeric so that leading zeroes are not deleted. U=Unknown	35	Required
DataIdentifier	A unique identifier for each batch of Radon Test Results.	String	XXXXXXXXXX	Nine-character value consisting of numbers or letters identifying the batch	9	Optional
AddressIdentifier	This is a unique ID that can be linked to the address but maintain confidentiality; this number represents an address level record but it is not the address.	String	One hundred character value (at a maximum) consisting of numbers or letters that link to a specific address	nnnnn... String of integers and characters	100	Required

LABS RADON DATA DICTIONARY

Environmental Public Health Tracking

Field Name	Field Description	Data Type	Code Scheme	Legal Values	Field Length	Required
TestResultIdentifier	A unique identifier for each lab result, there may be multiple tests per address, this number will be unique for each test	String	XXXXXX	Any number character value (up to 20) that identifies a unique test result	20	Required
TestStartDate	The date the test was begun	Integer	YYYYMMDD; NC = not collected	Ex: 20181022	8	Required
TestStopDate	The date the test ended	Integer	YYYYMMDD; NC = not collected	Ex: 20181025	8	Required
MeasureValue	The actual Radon measurement	Integer	nnnnn.n -999=LLD (less than the limit of detection)	0-10000.5, -999	5,1	Required
MeasureUnitName	The code that represents the unit for measuring Radon (pCi/L = picocuries per Liter) Note: look for conversion factor for Working Levels in How-To Guide	Integer	Please report only as 1= pCi/L for Radon	1	1	Required
TestMethodTypeCode	Identifier of the type or category of test.	Integer	1 = pre-mitigation 2 = post-mitigation 3 = Not collected	1, 2, 3	3	Required

LABS RADON DATA DICTIONARY

Environmental Public Health Tracking

Field Name	Field Description	Data Type	Code Scheme	Legal Values	Field Length	Required
ReasonForTest	The reason the radon test is being conducted.	Integer	1=Real Estate Transaction 2=Homeowner's choice (personal knowledge) 3=Legal requirement 4=Real estate transaction and legal requirement 5=Response to outreach/promotion 6=Post-mitigation test	Any of the codes in the Code Scheme column	1	Optional
RealEstateTransactionIndicator	Indicator of the building being tested for radon due to a Real Estate transaction or not.	Integer	1 = Yes 0 = No	0, 1	1	Optional
AddressPostalCode	5-digit zip code and 4-digit extension code (if available)	String	xxxxx or xxxxx-xxxx	Example: 19145 or 19145-5208	5 or 10	Optional
FloorLevelTested	The floor level in the building where the Radon test was conducted.	String	B = Basement F1 = 1st floor F2 = 2nd floor F3 = 3rd floor F4 = above the 3rd floor O = Other	Any of the codes in the Code Scheme column	2	Optional

LABS RADON DATA DICTIONARY

Environmental Public Health Tracking

Field Name	Field Description	Data Type	Code Scheme	Legal Values	Field Length	Required
BuildingPurposeCode	The designator that represents the building purpose.	Text	R = Residential N = Non-residential/Commercial C = Community Water Supply this is a water sample D = Daycare center P = Daycare center in public school S = School H = Hospital G = Government building CU = Colleges or Universities I = Institutional U = Unknown	Any of the codes in Code Scheme column	2	Required
BuildingTypeCode	The designator that represents the Type of the building tested; R1 buildings are unattached and R2 buildings are attached.	Text	R1A = Mobile home R1B = Single level home R1C = Multi level home R1D = Other R2A = Row house single R3A = Row house multi-level R2B = Town house R2C = Duplex R2D = Apartments and Condominiums	Any of the codes in the Code Scheme column	3	Optional

LABS RADON DATA DICTIONARY

Environmental Public Health Tracking

Field Name	Field Description	Data Type	Code Scheme	Legal Values	Field Length	Required
FoundationTypeCode	A designator used to uniquely identify the Foundation Type that facility occupies.	Text	B = Basement C = Crawlspace S = Slab-on-grade P = Pier K= Skirted in pier O = Other	Any of the codes in the Code Scheme column	1	Optional
TestDeviceLocation	Specific room in the house where the Radon test was conducted	Text	MB = Master Bedroom BR = Bedroom FR = Family Room LR = Living Room DR = Dining Room SD = Study/Den/Office BA = Basement O = Other	Any of the codes in the Code Scheme column	2	Optional

LABS RADON DATA DICTIONARY

Environmental Public Health Tracking

Field Name	Field Description	Data Type	Code Scheme	Legal Values	Field Length	Required
DeviceTypeName	Name of instrument or equipment used for the Radon test.	String	AC = Activated Charcoal Adsorption AT = alpha track ES = Short-term electret EL = Long-term electret CR = continuous radon monitor CW = continuous working level monitor LS = Charcoal Liquid Scintillation WL = Working Level CC = Charcoal Canister GR = Grab Sample - Radon GW = Grab Sample - Working Level RP = Radon Progeny Integrated Sampling Unit (RPISU) O= Other	Any of the codes in the Code Scheme column	2	Optional
CertifiedContractorIndicator	Indicator if the contractor performing the test is certified or not.	Integer	1 = Yes 0 = No	0,1	1	Optional