

Data Dictionary – Radon

Provided by CDC’s Environmental Public Health Tracking Program

PURPOSE AND USE OF THIS DOCUMENT

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.

VERSION HISTORY

Field Name	Description
1.0	May 2027: Initial version of formatted document. Combined form for Tracking recipients and radon testing labs.

ENVIRONMENTAL PUBLIC HEALTH TRACKING DATA SET SUMMARY, RADON

Characteristic	Description
Data Source	Radon test data from states and private 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 2026

Characteristic	Description
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.

Data Dictionary

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
Header Information for data submitter	Code to identify the data submitter, by state or by lab	String	XXX	Valid State FIPS code or valid code assigned by CDC Tracking	3	Required (lab identifier codes will be provided to labs by CDC Tracking)
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	Valid state FIPS code	2	Required
CountyFIPSCode	County FIPS Code where test was taken	String	XXXXX; U=Unknown	A valid county FIPS Code for the state and county in which test was conducted	5	Required
CensusTractFIPSCode	Consists of the 2- digit state FIPS code, the 3-digit county FIPS code and the 6-digit code for the census tract	String	XXXXXXXXXX; U=Unknown	Valid 11-digit census tract FIPS	11	Required

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
AddressPostalCode	5-digit zip code and 4-digit extension code (if available)	String	xxxxx or xxxxx-xxxx; U = Unknown	Valid ZIP or ZIP+4 format, example: 19145 or 19145-5208	5 or 10	Optional
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	nnnnnn.... String of integers and characters	100	Required
PropertyIdentifier	For use in multi-family housing complex	String	XXXXXX; NA	Any number character value (up to 20) that identifies a unique test result	20	Required
BuildingIdentifier	This is a unique ID that links all tests done within the same building or structure. This could be to group tests conducted in the same single-family home or to group tests conducted in a multi-family housing complex with several structures.	String	XXXXXX	Any number character value (up to 20) that identifies a unique test result	20	Required
TestResultIdentifier	A unique identifier for each lab result, there may be multiple tests per address, this number	String	XXXXXX	Any number character value (up to 20) that	20	Required

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
	will be unique for each test			identifies a unique test result		
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 4 = Follow-up pre-mitigation 5 = Follow-up post-mitigation	1, 2, 3, 4, 5	3	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	Any of the codes in the Code Scheme column	1	Required

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
			requirement 5=Response to outreach/promotion 6=Post-mitigation test 7 = Tenant (renter) choice 8 = Other 9 = Unknown			
RealEstateTransactionIndicator	Indicator of the building being tested for radon due to a real estate transaction or not	Integer	1 = Yes 0 = No 9 = Unknown	Any of the codes in the Code Scheme column	1	Required
RealEstateTransactionType	Indicator of the building being tested for radon due to a real estate transaction and client identity	String	1 = Sale – seller 2 = Sale - buyer 3 = Rental – landlord 4 = Rental – tenant NA = Does not apply U = Unknown	Any of the codes in the Code Scheme column	2	Required
PublicHousing	A designator to identify if public housing data are being submitted	Integer	1 = Yes 0 = No 9 = Unknown	0, 1	1	Required
LoanFinancingSource	The designator to identify loan underwriter or subsidy	String	FA = Fannie Mae FH = HUD FHA FR = Freddie Mac PH = Public Housing OH = Other HUD P = Private NA = Does not apply	Any of the codes in the Code Scheme column	2	Required

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
			U = Unknown			
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 = Childcare/pre-school in public school S = School (K-12) H= Hospital/other healthcare G = Government building E = Colleges, universities, or other higher education I = Institutional U = Unknown	Any of the codes in Code Scheme column	2	Required
HousingType	The designator that clearly identifies whether multi-family housing data are being submitted	Text	SF = Single family MF = Multi-family NR = Non-residential U = Unknown	Any of the codes in the Code Scheme column	2	Required
FloorLevelTested	The floor level in the building where the radon test was conducted	String	B = Basement F1 = 1 st floor F2 = 2 nd floor F3 = 3 rd floor F4 = 4 th floor O = Other U = Unknown	Any of the codes in the Code Scheme column	2	Required
GroundContact	The designator identifies whether unit is in contact	Integer	1 = Yes 0 = No	Any of the codes in the Code	1	Required

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
	with ground or above unoccupied or crawl space		9 = Unknown	Scheme column		
GroundContactUnits	The number of ground contact units in the building. Use only for large scale multifamily housing testing.	String	XXX; NA = Does not apply	Any of the codes in the Code Scheme column	3	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 U = Unknown	Any of the codes in the Code Scheme column	1	Required
TestDeviceLocation	Specific room in the house where the Radon test was conducted	Text	BR = Bedroom BA = Basement CL = Classroom NR = Non-residential/commercial HC = Healthcare O = Other U = Unknown	Any of the codes in the Code Scheme column	2	Required
TestConditions	The designator identifies the observed test conditions for the building at test start	String	1 = Closed building 2 = Not closed building 3 = Unknown	Values in code scheme column	1	Required
WeatherConditions	Identifies anomalous weather	String	1 = Normal	Values in code	1	Required

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
	conditions during short term tests		2 = Severe conditions 3 = Extreme temperatures 4 = Severe conditions and extreme temperatures 5 = Unknown	scheme column		
MultipleTests	Indicator of unique test per unit/room, average, or reason for more than one test result per unit	String	0 = Unique test 1 = Collocated 2 = In same unit but not collocated 9 = Unknown	Values in code scheme column	1	Required
DeviceTypeName	Name of instrument or equipment used for the radon test	String	AT = Alpha Track CA = Charcoal Adsorption EI = Electret Ion Chamber LS = Liquid Scintillation CR = Continuous Radon Monitor O = Other U = Unknown	Any of the codes in the Code Scheme column	2	Required
TestingProtocol	Identify primary testing protocol used to perform radon measurement	Integer	1 = ANSI-AARST Standards 2 = State-specific protocols 3 = Lender-specific protocols 4 = Manufacturer's instructions	Values in code scheme column	1	Required
TestPerformer	Indicator of the role of the person performing the test	Integer	1 = Homeowner/tenant 2 = Both certified by an EPA-recognized program and state-credentialed for radon measurement 3 = Certified by an EPA-recognized program	Values in code scheme column	1	Required

Field Name	Field Description	Data Type	Code Scheme	Allowed Values	Field Length	Required
			4 = State-credentialed for radon measurement 0 = Other			
MitigationSystem	The designator that clearly identifies whether mitigation system exists and is operational	Integer	1 = Yes – Active, fan and manometer operational 2 = Yes – Active, status unknown 3 = Yes – Passive 4 = No	Values in code scheme column	1	Required

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