

**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        | <b>This is a restricted access data set.</b><br><br>Data will be displayed via the national public portal only when sufficient conditions have been met to protect data privacy.                                                            |
| Last Revised        | <b>May 27, 2021</b>                                                                                                                                                                                                                         |
| Instruction for Use | <b>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.</b>                                                                       |

# 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<br>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:<br>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<br>xxxxx-xxxx                                                                                       | Example:<br>19145 or<br>19145-5208                                            | 5 or 10      | Optional                   |

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| 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    | XXXXXX                                                                                                      | 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 | nnnnnn....<br>String of integers and characters                                                                                                                                                                                                                      | 100          | Required |

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| 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:<br>20181022                                                            | 8            | Required |
| TestStopDate         | The date the test ended                                                                                                                                     | Integer   | YYYYMMDD; NC = not collected                                   | Ex:<br>20181025                                                            | 8            | Required |
| MeasureValue         | The actual Radon measurement                                                                                                                                | Integer   | nnnnn.n<br>-999=LLD (less than the limit of detection)         | 0-10000.5,<br>-999                                                         | 5,1          | Required |
| MeasureUnitName      | The code that represents the unit for measuring Radon (pCi/L = picocuries per Liter)<br>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<br>2 = post-mitigation<br>3 = Not collected | 1, 2, 3                                                                    | 3            | Required |

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| 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<br>2=Homeowner's choice (personal knowledge)<br>3=Legal requirement<br>4=Real estate transaction and legal requirement<br>5=Response to outreach/promotion<br>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<br>0 = No                                                                                                                                                                                              | 0, 1                                       | 1            | Optional |
| AddressPostalCode              | 5-digit zip code and 4-digit extension code (if available)                                | String    | xxxxxx or<br>xxxxxx-xxxx                                                                                                                                                                                       | Example:<br>19145 or<br>19145-5208         | 5 or 10      | Optional |
| FloorLevelTested               | The floor level in the building where the Radon test was conducted.                       | String    | B = Basement<br>F1 = 1st floor<br>F2 = 2nd floor<br>F3 = 3rd floor<br>F4 = above the 3rd floor<br>O = Other                                                                                                    | Any of the codes in the Code Scheme column | 2            | Optional |

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

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| 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<br>C = Crawlspace<br>S = Slab-on-grade<br>P = Pier<br>K= Skirted in pier<br>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>BR = Bedroom<br>FR = Family Room<br>LR = Living Room<br>DR = Dining Room<br>SD = Study/Den/Office<br>BA = Basement<br>O = Other | Any of the codes in the Code Scheme column | 2            | Optional |

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| 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<br>AT = alpha track<br>ES = Short-term electret<br>EL = Long-term electret<br>CR = continuous radon monitor<br>CW = continuous working level monitor<br>LS = Charcoal Liquid Scintillation<br>WL = Working Level<br>CC = Charcoal Canister<br>GR = Grab Sample - Radon<br>GW = Grab Sample - Working Level<br>RP = Radon Progeny Integrated Sampling Unit (RPISU)<br>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<br>0 = No                                                                                                                                                                                                                                                                                                                                                                                                | 0,1                                        | 1            | Optional |