

Attachment 10: Explanation for Program Changes or Adjustments Crosswalk

This Revision includes proposed changes to Attachment 4E (radon testing combined form) and Attachment 4F (biomonitoring):

Environmental Public Health Tracking Network			
Form Number and Title	Type of Change	Itemized Changes / Justification	Impact to Burden
4E. Radon Testing (SLHD and Lab combined submission)	Deletion	Removed variable BuildingTypeCode for data collection. This information is captured elsewhere in added and modified variables described below. BuildingTypeCode was deleted as it no longer collected unique information needed for understanding radon testing patterns. BuildingTypeCode was a field with variables for codes to designate if the property tested was a mobile home,	None

		single level home, multi-level home, row home single level, row home multi-level, town home, duplex, apartments and condominium, or other. The relevant information to understanding radon testing patterns from this field has been transferred to other fields: Field HousingType collects information on whether a home is single family or multifamily or if it is a non-residential building. Field FloorLevelTested designates what level of the building had the radon test performed.	
	Addition	PropertyIdentifier and BuildingIdentifier added to provide unique IDs for tests at same property/building.	None or negligible

		PropertyIdentifier and BuildingIdentifier fields were added due to data need to distinguish between a unique address, a unique property, and a unique building. In multifamily housing situations, a single property may contain multiple buildings (physical structures) and each building will contain multiple addresses (each dwelling in the building). The addition of these fields will allow the understanding of radon testing done for a particular dwelling, a particular building, and a particular property. RealEstateTransactionType and related values to indicate if test was part of real estate	
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		transaction. • 1 = Sale – Seller • 2 = Sale - Buyer • 3 = Rental – Landlord • 4 = Rental – Tenant • NA = Does not apply • U = Unknown RealEstateTransactionType field was added because some jurisdictions require a radon test as part of a real estate transaction. This field will help understanding when radon tests are performed as part of a real estate transaction and what party initiated the testing. PublicHousing to indicate public housing dwellings. • Yes = 1	
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		• No = 0 • 9 = Unknown PublicHousing field was added to designate if a radon test was performed in a public housing dwelling. Some regulations on public housing require radon testing for ground contact units of public, multifamily housing properties. LoanFinancingSource to identify type of financing for real estate transactions. • FA = Fannie Mae • FH = HUD FHA • FR = Freddie Mac • PH = Public housing • OH = Other HUD • P = Private • NA = Does not apply	
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		• U = Unknown LoanFinancingSource field was added to support the knowledge of radon testing being done in support of meeting the requirements within real estate loans from certain home loan authorities. HousingType to indicate type of housing environment. • SF = Single family • MF = Multi-family • NR = Non-residential • U = Unknown HousingType field was added to streamline the information collected in deleted variable BuildingTypeCode by collapsing overlapping types of housing that did not provide useful distinction in	
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		the context of radon testing. GroundContact to indicate if dwelling tested is in contact with the ground. • 1 =Yes • 0 = No • 9 = Unknown GroundContact field added to support the adherence of testing requirements for properties with dwellings that have contact with the ground, which are dwellings at higher risk of radon gas seepage compared to elevated dwellings. GroundContactUnits to report number of units for multifamily housing types. GroundContactUnits field added to support the	
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		understanding of adherence of multifamily housing properties to requirements of rate of ground contact units being tested for radon. TestConditions to report building conditions during testing. • 1 = Closed building • 2 = Not closed building • 3 = Unknown TestConditions field added to help the understanding of tests being performed to the standards of testing conditions or if a test result may be invalid. WeatherConditions to record weather conditions during test.	
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		• 1 = Normal • 2 = Severe conditions • 3 = Extreme temperatures • 4 = Severe conditions and extreme temperatures • 5 = Unknown WeatherConditions field added to help understand the weather conditions a radon test was performed in. Weather can affect the result of a radon test in various ways. Storm systems that bring low pressure may encourage more radon gas to move from soil to the air. Temperature swings may affect the open or closed nature of a building and impact the result of a radon	
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		test. MultipleTests to note whether tests are unique. • 0 = Unique test • 1 = Collocated • 2 = In same unit but not collocated • 9 = Unknown MultipleTests field added to assist in understanding of a test is unique, collocated, or part of a set of testing. Multiple radon tests may be performed at the same time in the same building. Various rooms and floors may be tested at the same time. Other tests may be collocated, done side by side in the same room, to serve as quality control, validation, backup, and cross-checking if using multiple	
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		types of measurement devices. TestingProtocol to note what standard protocols were used. • 1 = ANSI-AARST standards • 2 = State-Specific protocols • 3 = Lender-Specific protocols • 4 = Manufacturer's instructions TestingProtocol field added to identify what protocol was followed for the radon test. Protocols used may vary across jurisdictions. Having this information helps inform users of data gaps or conditions that may be present in the test performed.	
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		TestPerformer to record credentials of person performing test. • 1 = Homeowner/tenant • 2 = Both certified by an EPA-recognized program and state-credentialed for radon measurement • 3 = Certified by an EPA-recognized program • 4 = State-credentialed for radon measurement • 0 = Other TestPerformer field added to identify how often radon tests are being performed by credentialed and certified testers. Proper testing credentialing is necessary for a reliable dataset of radon test	
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		data. MitigationSystem to indicate if mitigation system installed, type, and operational status. • 1 = Yes – Active, fan and manometer operational • 2 = Yes – Active, status unknown • 3 = Yes – Passive • 4 = No MitigationSystem field added to assess the presence and performance of a mitigation system in a building. Having a professionally installed mitigation system in a building is an effective way to reduce the level of radon present in a building. Having this information will help the understanding of the need for	
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		and adoption of active and passive mitigation systems.	
	Revision	Header adaptable for submitters of radon test data from private labs and SLHD. The header was revised to allow submission of data from a non-state entity with an assigned state FIPS code. This allows one data submission stream for all radon test sources instead of having two systems for the two types of data sources. CensusTractFIPSCode format specifies full length of unique FIPS code. CensusTractFIPSCode revised to include all 11 digits of the FIPS code. Previous version only specified the census tract	None or negligible

		portion of the code, leaving the possibility of duplicate codes in distinct census tracts. TestMethodTypeCode values modified to include two types of follow-up testing: • 1 = Pre-mitigation • 2 = Post-mitigation • 3 = Not collected • 4 = Follow-up pre-mitigation • 5 = Follow-up post-mitigation TestMethodTypeCode values updated to provide more granular information when follow-up testing scenarios occur to better understand circumstances and whether follow-up testing is related to mitigation installation.	
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		ReasonForTest values include more reasons for testing. • 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 • 7 = Tenant (renter) choice • 8 = Other • 9 = Unknown ReasonForTest values expanded to provide more detailed information on what reasons that could lead to a	
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		property to be tested for radon to help identify trends in radon testing. TestDeviceLocation modified to decrease redundancy and cover more location types. • BR = Bedroom • BA = Basement • CL = Classroom • NR = Non-residential/commercial • HC = Healthcare • O = Other • U = Unknown TestDeviceLocation field was modified by removing redundant categories (primary bedroom, family room, living room, dining room, study/den/office) and adding other types of	
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		locations (classroom, non-residential/commercial, healthcare). This will provide better understanding of where radon tests are being located in scenarios where multiple tests are being done at the same address, building, or property. BuildingPurposeCode definitions more specific. • 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)	
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		• H= Hospital/other healthcare • G = Government building • E = Colleges, universities, or other higher education • I = Institutional • U = Unknown BuildingPurposeCode field modified to increase understanding of the types of buildings being tested for radon and determine potential gaps where testing outreach efforts may be needed. DeviceTypeName values broadened and made less redundant. • AT = Alpha track • CA = Charcoal	
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		adsorption • EI = Electret ion chamber • LS = Liquid scintillation • CR = Continuous radon monitor • O = Other • U = Unknown DeviceTypeName field was modified to reduce redundant types of devices which added to confusion during data submission and processing.	
	Burden	Private radon laboratories and testing companies have been added as data submitters, increasing respondents by 10 from 25 to 35 and overall burden by 500 hours to a total of 1,750 hours. Added 14 new variables and removed one to bring total to	Increased

		36 variables. Modified seven existing variables. Variables meet accredited stakeholder or state standards. Added and modified variables are collected at time of radon testing. Updates to data collection instrument should not add any appreciable burden to responders.	
4F. Biomonitoring	Deletion	Deleted the variable 'analyte group.' This information will be assigned automatically based on the analyte name submitted. We removed analyte group because that matching of analyte to its chemical group can be automated on our end when we receive the analyte name from the data submitted by the states. This	None

		also allows for less processing of data for the state.	
	Addition	Added two variables: • Sample size • City name Sample size addition makes the state data consistent with what is collected for national biomonitoring data. City name addition allows states to enter the name of the city for population-based data done within a city. Added a column to the description indicating if a variable is required or optional. This clarification improves the use of the data tool. The sample size was added to	None

		help users understand that the urine or blood measurements were done in a representative sample of the state population and not in the whole state population. This information will be presented alongside the measures as is done with national measures for the US population in the <i>National Report on Human Exposure to Environmental Chemicals</i>. City name was added because the data submitted by a state could be representative of sub-state populations such as within specific cities. To cater for these situations, we added city name.	
	Revision	Revised the values allowable for the 'Demographic	None

		categories' variable to include a value that was previously missing. Edited From: • 1-7 • NHW • NHB • NHA • MA • AH • All • M • F To: • 1-8 • NHW • NHB • NHA	
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		• MA • AH • All • M • F Revised the code scheme of the 'Units' variable to include a previously missing code. Edited From: • 1 = ng/mL • 2 = µg/L • 3 = pg/mL • 4 = µg/dL • 5 = µg/g To: • 1 = ng/mL • 2 = µg/L	
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		• 3 = pg/mL • 4 = µg/dL • 5 = µg/g • 6 = ng/g Revised the table with example entries to reflect the revisions, additions and deletions detailed above. The allowed values for the demographic categories for age were previously listed as 1 to 7 instead of 1 to 8. The correction was made to indicate the correct values as 1 to 8. A column was added to indicate if a variable was required or optional. This provides clearer guidance to states to make sure all the required information is	
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		included in the data submission. It also reduces the rejection of data submissions due to missing required information. The code scheme previously used the symbol < for less than, and > for greater than. These symbols could be 'reserved' symbols in coding languages. We corrected that to use text instead, therefore, 'lt' for less than and 'gt' for greater than. We added 'ng/g' to the code scheme for concentration units. This was previously missing, which meant that states would not be able to submit measures that used these units. Now states can submit data that were	
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		measured using ng/g. The table that provides examples of data submitted using this data dictionary was updated to reflect all the above changes. This provides more accurate examples.	
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