

**Health Priority: Environmental and Occupational Health Hazards
Objective 4: Chemical and Biological Contaminants in the Home (Logic Model)**

Long-term (2010) Subcommittee Outcome Objective: By December 31, 2010, reduce by 50 percent the incidence of illness and death related to chemical and biological contaminants in the home.

4a: By 2010, rehabilitate 120,000 dwellings in Wisconsin with lead hazards present and occupied by children under 6 years old.

4b: One hundred percent of Wisconsin children enrolled in Medicaid will receive age-appropriate blood lead tests.

4c: By the end of 2010, among all Wisconsin children age 6 or younger, there will be no children newly identified with lead poisoning.

4d: By 2010, increase the capacity of local health departments to address environmental health issues in the home.

4e: Reduce public exposures to indoor radon in all buildings with radon concentrations >4 pCi/L in occupied spaces.

4f: By 2010, there will be no unintentional carbon monoxide poisoning fatalities in Wisconsin.

4g: By 2010, there will be no unwanted environmental tobacco smoke exposure in homes.

Long-term outcome objective updated as of: Sept 2004

Inputs	Outputs		Outcomes		
	Activities	Participation/ Reach	Short-term 2002-2004	Medium-term 2005-2007	Long-term 2008-2010
Wisconsin Department of Health and Family Services will provide resources to create and support a task force to increase public awareness.	The Wisconsin Department of Health and Family Services will create a statewide taskforce of public agency and private participants to develop and implement a public awareness campaign.	Wisconsin residents/families Policymakers Individuals at-risk (adults and children)	By December 31, 2003, 50 percent of Wisconsin residents will be informed about household hazards associated with lead, radon, asbestos, carbon monoxide, volatile organic compounds, other chemicals, and allergens such as mold, dust mites, and cockroaches.	By December 31, 2005, 75 percent of the children at-risk will be screened for elevated blood lead levels. By December 31, 2005, effective training resources will be available to insure 100 percent access by building inspectors, industrial hygienists, remediators, and others that may do environmental assessments in the home.	By December 31, 2008, 75 percent of homes at-risk will have been inspected for lead hazards and there will be a 25 percent increase for those inspected for radon and other environmental hazards. By December 31, 2008, 100 percent of the data from home hazards assessments will be
Wisconsin Department of Health and Family Services will provide the resources to initiate a strong educational campaign.	A consortium of state and local health departments, tribes, and healthcare providers will have been formed to implement a strong educational campaign on the	Public health workforce and healthcare providers Housing inspectors	By December 31, 2003, 90 percent of the families with children at-risk for lead		

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<p>Local public health agencies will partner with local private and public organizations to promote testing of children for lead.</p> <p>Wisconsin Department of Health and Family Services and Wisconsin Department of Commerce will provide resources to initiate educational campaigns.</p> <p>Wisconsin Department of Health and Family Services will allocate the resources to provide training.</p> <p>Educational institutions will provide training.</p> <p>Funding to support developing a reporting system, data collection, and analysis.</p> <p>Wisconsin Department of Health and Family</p>	<p>importance of testing children for lead poisoning.</p> <p>The Wisconsin Department of Health and Family Services will initiate training of public health workforce and healthcare providers on the dangers of environmental hazards in the home environment.</p> <p>A task force will be created consisting of state and local agencies, industry, and business representatives to develop and implement an educational effort for at-risk employees.</p> <p>The Wisconsin Department of Health and Family Services will have developed and initiated a reporting and data collection system for illness and deaths associated with environmental hazards in the home.</p> <p>A training program directed to the building construction</p>	<p>Municipalities</p> <p>Professional environment staff</p> <p>Local health departments</p> <p>Tribes</p> <p>Media</p> <p>Social services agencies</p> <p>Public and private laboratories</p> <p>Residents' homes identified as being "at-risk"</p> <p>Residents' homes that have been inspected for environmental hazards</p> <p>Sites around Wisconsin where indoor air testing equipment is available</p>	<p>poisoning will be informed of the importance of having their children tested at the appropriate ages.</p> <p>By December 31, 2004, 100 percent of the individuals at-risk for taking home contaminants from their work place will be aware of the potential hazard to their families.</p> <p>By December 31, 2003, 100 percent of appropriate public health work force and healthcare providers will be aware of the dangers of environmental hazards in the home environment.</p> <p>By December 31, 2004, there will be a disease identification and reporting system associated with indoor environmental hazards in the home being utilized by healthcare providers.</p> <p>By December 31, 2004, 100 percent of the home inspectors, industrial hygienists, and remediators will be trained on recognizing environmental hazards in the home.</p>	<p>By December 31, 2005, 100 percent of the healthcare providers will include residential histories on their patient charts.</p> <p>By December 31, 2005, 100 percent of local public health agencies will have the capacity to deal with indoor air problems and other hazards in the home environment.</p> <p>By December 31, 2005, 50 percent of the homes at-risk will have participated in the "Lead-safe or Lead-free Registry."</p> <p>By December 31, 2006, 100 percent of the households in Wisconsin will have been provided information on safe pesticide and other chemical use.</p> <p>By December 31, 2006, there will be a 50 percent reduction in the number of chemical poisonings in the home.</p>	<p>collected in a common data system.</p> <p>By December 31, 2008, 100 percent of new construction will meet the criteria to have good indoor air quality.</p> <p>By December 31, 2008, 100 percent of the homes remediated will be done by the best available technology.</p> <p>By December 31, 2010 there will be a 50 percent reduction in the incidence of illness and death related to health hazards associated with poor indoor air quality, lead, and chemical contaminants in the home.</p> <p>By December 31, 2010 there will be a 50 percent reduction in the number of homes with elevated environmental levels of lead, radon, asbestos, carbon monoxide, volatile</p>

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<p>Services will allocate necessary resources to provide statewide training.</p> <p>Educational institutions will initiate appropriate outreach training.</p> <p>Wisconsin State Laboratory of Hygiene will allocate resources to develop and implement training.</p> <p>Wisconsin Department of Health and Family Services and Wisconsin Department of Commerce will jointly develop an information packet to encourage adoption of a housing maintenance and occupancy code.</p> <p>Local health departments will promote adoption of the code.</p> <p>State health allocates resources.</p>	<p>and maintenance work force will be developed and implemented by Wisconsin Department of Health and Family Services and Department of Commerce to promote strategies for a healthy indoor environment.</p> <p>The Wisconsin State Laboratory of Hygiene will have developed training programs and initiated training sessions across the state on testing of environmental samples collected from the home environment.</p> <p>One-hundred percent of municipalities with a population greater than 1,000 will have been provided information on the merits of adopting a "Housing Maintenance and Occupancy Code."</p> <p>The Wisconsin Department of Health and Family Services will begin an initiative to achieve an</p>	<p>Building and housing inspectors</p> <p>Agencies that access the data collection system</p> <p>Wisconsin Environmental Association</p> <p>Wisconsin Public Health Association</p>	<p>By December 31, 2004, 100 percent of laboratories in Wisconsin performing analysis of environmental samples collected from homes will be offered appropriate training for this testing.</p> <p>By December 31, 2004, 100 percent of local policymakers will be aware of the benefits of adopting a "Housing, Maintenance and Occupancy Code."</p>	<p>By December 31, 2006, 100 percent of the laboratories conducting testing for evaluation of contaminated homes will be using standardized protocol.</p> <p>By December 31, 2007, 100 percent of individuals conducting biological and chemical remediation practices will be trained on proper methods.</p> <p>By December 31, 2007, there will be a 10 percent increase in the methods available to do hazard assessments in the home.</p>	<p>organic compounds, pesticides, and other chemical hazards as well as allergens such as mold, dust mites, and cockroaches.</p>

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<p>Local public health allocates resources.</p> <p>Private enterprise increases service level to do inspections.</p> <p>The Department of Health and Family Services allocate resources to provide training.</p> <p>State rule changes requiring certification for remediators will be considered.</p> <p>Private remediators cooperation in receiving training.</p> <p>Educational institutions provide training on proper remediation.</p> <p>Wisconsin Department of Health and Family Services and Department of Agriculture, Trade and Consumer Protection allocate resources.</p>	<p>increase in the number of homes inspected for environmental hazards.</p> <p>Literature will be developed by appropriate state agencies and partnerships will have been created for dissemination of the information.</p> <p>Wisconsin Department of Health and Family Services will create a statewide collaborative initiative between the public and private sectors and itself with the charge of improving the numbers of children screened for elevated blood lead.</p> <p>The Wisconsin Department of Health and Family Services will facilitate the process to have the public educational institutions and private training resources initiate a collaborative effort to meet the training requirements for doing environmental home assessments.</p>				

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<p>Local public health and county extension offices disseminate education information.</p> <p>Retail outlets provide information literature to customers.</p> <p>Increased enforcement of testing by Department of Health and Family Services.</p> <p>Local public health agencies partnering with local healthcare providers, tribes, neighborhood associations, and other advocacy groups.</p> <p>The Wisconsin Department of Health and Family Services allocates resources.</p> <p>Local public health allocates resources.</p>	<p>The Wisconsin Department of Health and Family Services will develop and initiate a data reporting and retrieval system for residential histories on patients seen by healthcare providers.</p> <p>The Wisconsin Department of Health and Family Services will initiate training for local health departments and make available equipment and laboratory testing necessary to conduct indoor air and other hazard assessments in the home.</p> <p>A collaborative effort coordinated by Wisconsin Department of Health and Family Services will be created to promote participation in the “Lead-safe or Lead-free Registry”.</p> <p>A collaborative effort to reduce chemical</p>				

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<p>Poison control centers increase outreach.</p> <p>Local collaborative efforts initiated by groups concerned with safety issues.</p> <p>Wisconsin State Legislature to adopt legislation to allocate funding.</p> <p>Technical colleges preparing and providing training.</p> <p>Institutions of higher education prepare and provide training.</p> <p>Private training resources initiative programs to train individuals to do environmental hazard assessments in the home.</p> <p>The Wisconsin Department of Health and Family Services develop reporting</p>	<p>poisoning in the home between state and local resources will be initiated by the Wisconsin Department of Health and Family Services.</p> <p>The Wisconsin State Laboratory of Hygiene will have developed standard testing protocol for evaluation of contaminated homes.</p> <p>The Wisconsin Department of Health and Family Services will collaborate with the Wisconsin university system and private enterprise to identify areas where improved methodologies are needed to improve environmental assessments in the home.</p> <p>The Wisconsin Department of Health and Family Services will conduct or require training sessions for remediators to become knowledgeable on proper remediation methods of environmental hazards in the home environment.</p>				

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<p>requirements to achieve uniformity.</p> <p>The Wisconsin Department of Health and Family Services develop and initiate data collection and reporting system.</p> <p>Local healthcare providers complete data reporting criteria.</p> <p>The Wisconsin Department of Health and Family Services provide training and technical resources.</p> <p>Local health departments allocate staff time and funding for training.</p> <p>State funding to support integrated data system.</p> <p>The Wisconsin Department of Health and Family Services develop standardized</p>	<p>The Wisconsin Department of Health and Family Services will create a task force, with broad representation, with the charge to assess and recommend the best available technology for remediation of environmental hazards in the home.</p> <p>The Wisconsin Department of Health and Family Services will have developed a reporting and data collection system for home hazard assessments.</p> <p>The Wisconsin Department of Commerce and Wisconsin Department of Health and Family Services will develop indoor air quality criteria for new construction and submit rule revision concerning indoor air quality for new construction to the legislature for their consideration.</p>				

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<p>data reporting and collection system.</p> <p>Public and private assessments required to be submitted to Wisconsin Department of Health and Family Services.</p> <p>Wisconsin Department of Commerce and Wisconsin Department of Health and Family Services jointly develop indoor air quality criteria for new construction.</p> <p>State building code revisions.</p> <p>Wisconsin State Laboratory of Hygiene in cooperation with other state agencies will develop testing protocol.</p> <p>Legislative changes to implement minimum laboratory testing protocol.</p>	<p>The Wisconsin Department of Health and Family Services will have had an effective data system in place for 5 years that will provide a measurement on the changes in morbidity and mortality from environmental hazards in the home environment.</p> <p>The Wisconsin Department of Health and Family Services will have had an effective data system in place to track home environmental assessment data for the previous four years.</p>				

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<p>Collaborative efforts will be initiated by public and private sector to establish best available technology for remediating homes with environmental hazards.</p> <p>The Wisconsin Department of Health and Family Services promote additional research.</p> <p>Institutions of higher education and private enterprise collaborate on developing new testing methodologies.</p> <p>Wisconsin Department of Health and Family Services and local public health agencies promote the lead-safe or lead-free registry.</p> <p>Wisconsin Landlord Association promote participating in lead-safe or lead-free registry.</p>					

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<p>Federal, state, tribes, and local government resources.</p> <p>Collaborative partnerships between public and private sectors.</p> <p>Effective data reporting and collection system.</p> <p>Collaborative partnerships between public and private sectors.</p> <p>Regulatory standards and certifications.</p> <p>Training resources.</p> <p>Effective data reporting system for environmental assessments in the home environment.</p>					