



HUD Office of Lead Hazard Control and Healthy Homes

Programs Available

\$139M - Lead Hazard Control (broad)

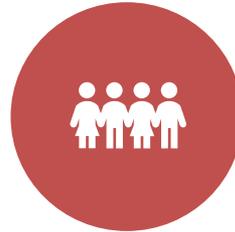
\$95M - Lead Hazard Control (highest need)

- *(\$64M – Focus on 7 communities)

\$45M - Healthy Homes Initiative

***(Tribal Asthma) / (Healthy Homes Demo for Disasters)**

Older Housing Can Be Unhealthy Housing



LEAD PAINT HAZARDS



ASTHMA TRIGGERS



HEALTH & SAFETY HAZARDS



IMPACT ON COMMUNITY HEALTH



Focusing on Housing and Health

- It helps children and other vulnerable populations reach their full potential by:
 - *Preventing injuries and diseases;*
 - *Lowering healthcare costs;*
 - *Increasing school and work performance;*
 - *Decreasing the number of school and work days missed due to injuries and diseases.*

Inputs

For every \$1 spent on **asthma reduction programs**¹

For every \$1 spent on **lead hazard control programs**²

For every \$1 spent on **radon mitigation programs**³

Return on Investment (ROI)

...there is a return of between \$5.30 and \$14.00.

...there is a return of between \$17 and \$221.

...there is a return of \$4.95.

Outcomes

- Reduced healthcare costs
- Increased school attendance
- Increased employment attendance
- Increased income due to attendance
- Fewer deaths

1. Nurmagambetov et al., 2011
2. Gould, 2009
3. Healthy Housing Solutions, 2014

Return on Healthy Home Investments

These funds transform communities

Support

- Support the development and implementation of state and local “lead and healthy homes” programs that address health and safety hazards in the home

Further Goals

- Further Affordable housing goals by improving existing local housing stock;

Demonstrate

- Demonstrate that providing safe and healthy environments where children live is feasible, affordable, and beneficial; and

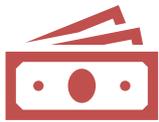
Promote

- Public-private partnerships to align common outcomes; and

Create

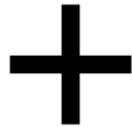
- Create public and private-market demand to integrate health outcomes into housing and infrastructure projects and planning.

Adding up the Opportunities



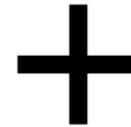
Lead

Average \$12,000



Healthy Homes

Average \$3,500



Partner Funding

Average \$10,000

What do these funds pay for?

Lead Funds

Paint, Remove/Replace Doors, Windows, Threshold, Stairs Railings

Lead Soil Remediation

Paint, Remove/Replace Exterior Siding and Gutters, Trim and Walls

Paint, Remove/Replace Soffit, Trim, Fascia

Minimal Rehab to protect lead paint from further deterioration

Paint, Remove/Replace Lead Painted Porch Components

Healthy Home Funds

Radon Testing and remediation, HVAC repair/replacement

Fire Safety Equipment Carbon Monoxide Testing and Monitor Placement

Railings, lighting, ramps, stairs

Moisture/Mold Remediation: flooring, plumbing, ventilation, substrate, roof and wall repair

Rodent, bed bug, cockroach treatments, decluttering supplies, food storage supplies

Asthma interventions, mattress covers, HEPA Vacuums, temperature control correction

Electrical Safety, GFCI and wiring upgrades

Partner Funds

Roof Replacement

Demo of exterior structures

Correction of Code Violations

Appliance Updating

Weatherization Activities; caulking, insulation, efficiency upgrades

Foundation Repair

Before and After Photos



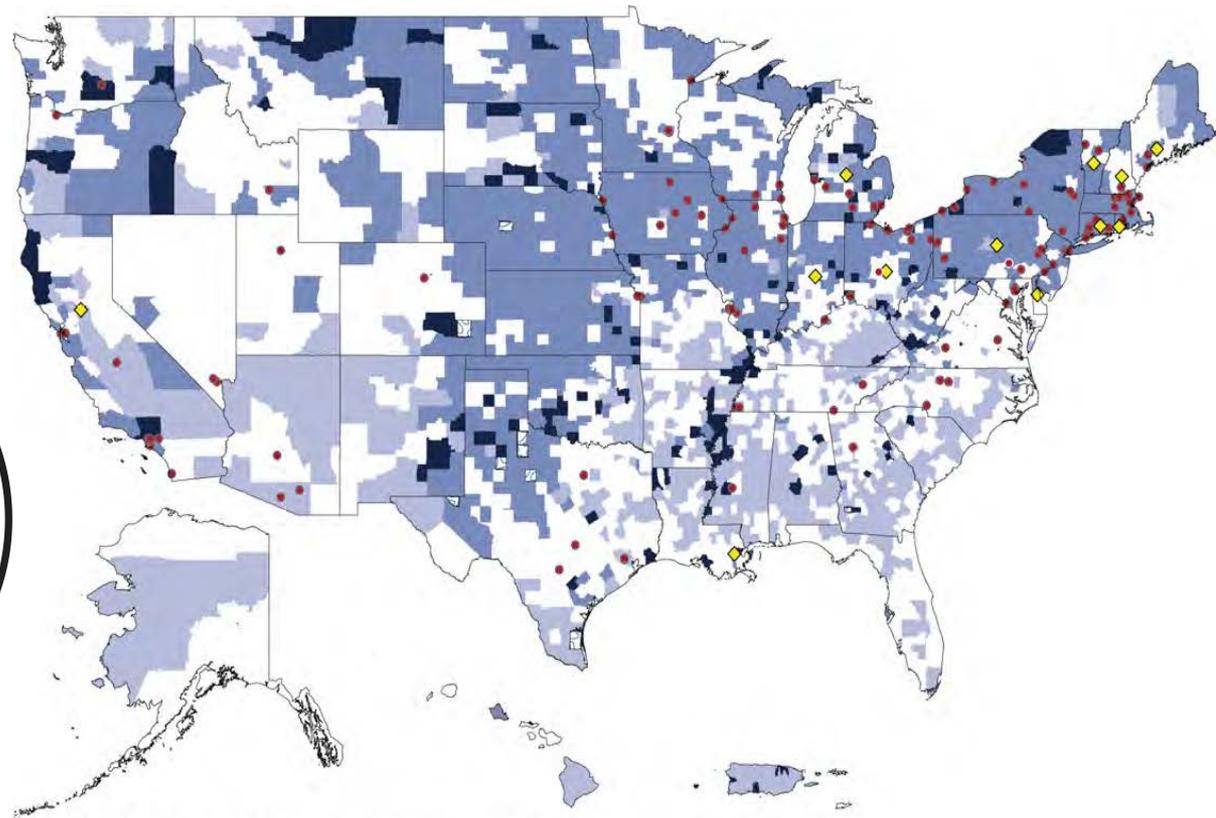
Before and After Photos (cont'd)



Multifamily Before and After Photos



Where We Need to Be



County higher than the estimated average national percentage

	Grantees	
 Both old houses and poverty	34 (18%)	 Data unavailable/not reliable
 Old houses only	109 (59%)	
 Poverty only	13 (7%)	
 Neither old houses nor poverty	30 (16%)	

Who Can Apply?



Units of local government



State governments and Tribes authorized by EPA to conduct lead abatement certification programs for their jurisdictions:



Units of local government in both eligible and ineligible states are eligible.



For eligible states, target areas must be different from those of local government applicants (no doubling up).

Authorized States

DC and Puerto Rico are authorized and are, thus, eligible.

The Cherokee Nation, Lower Sioux, and Upper Sioux Tribes are authorized and are, thus, eligible.

All states except for the following are authorized and eligible; these states are ineligible:

Alaska New Mexico
South Dakota

Arizona Montana
New York Wyoming

Florida Nevada Idaho
South Carolina

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HUD No. 20-157
HUD Public Affairs
(202) 708-0685

FOR RELEASE
Friday
September 25, 2020

HUD AWARDS NEARLY \$165 MILLION TO PROTECT FAMILIES FROM LEAD AND OTHER HOME HEALTH AND SAFETY HAZARDS

Funding to make low-income families' homes safer and healthier

WASHINGTON - The U.S. Department of Housing and Urban Development (HUD) today awarded nearly \$165 million to 44 state and local government agencies in 23 states to protect children and families from lead-based paint and home health hazards.

HUD is providing these grants through its [Lead Based Paint Hazard Reduction \(LBPHR\) Grant Program](#) to identify and clean up dangerous lead in low-income families' homes. These grants also include more than \$17 million from HUD's [Healthy Homes Supplemental funding](#) to help communities with housing-related health and safety hazards in addition to lead-based paint hazards.

These investments will protect families and children by targeting significant lead and health hazards in over 14,000 low-income homes for which other resources are not available.

"Today, we are renewing our commitment to improving the lives of families, and especially, their children by creating safer and healthier homes," said HUD Secretary, Dr. Ben Carson. "At HUD, one of our main priorities is to protect families from lead-based paint and other health hazards, and these grants will help states and local communities do precisely that."

"There is a strong connection between health and housing," said Michelle Miller, Acting Director of HUD's Office of Lead Hazard Control and Healthy Homes. "These grants provide a critical resource to communities to identify and clean up housing-based health hazards such as from lead-based paint and mold."

HUD's *Office of Lead Hazard Control and Healthy Homes* promotes local efforts to eliminate dangerous lead paint and other housing-related health hazards from lower income homes; stimulates private sector investment in lead hazard control; supports cutting-edge research on methods for assessing and controlling housing-related health and safety hazards; and educates the public about the dangers of hazards in the home. [Read a complete project-by-project summary of the programs awarded grants today.](#)

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HUD No. 20-165
HUD Public Affairs
(202) 708-0685

FOR RELEASE
Monday
October 5, 2020

HUD AWARDS MORE THAN \$9 MILLION TO MAKING HOUSING SAFER FOR TRIBAL COMMUNITIES

Funding to make low-income tribal homes safer and healthier

WASHINGTON - The U.S. Department of Housing and Urban Development (HUD) today awarded more than \$9 million in Healthy Homes Production grants to twelve tribes and tribal agencies to protect children and families from home health and safety hazards.

“As a pediatric neurosurgeon I have seen firsthand the negative impacts health hazards in the home have had on our nation’s youth,” said Secretary Carson. “Today’s announcement gets us closer to achieving our goal of providing safe and healthy housing for all Americans.”

Tribes and Tribally Designated Housing conditions can be improved by addressing factors such as lead paint, indoor air quality and ventilation, heating devices, and moisture damage. The grant funding announced today will assist and protect families by targeting health hazards in the homes of 630 low-income families where significant home health and safety hazards exist. The Healthy Homes Production grant program has a history of success, filling critical needs in communities where no other resources exist to address substandard housing that threatens the health of the most vulnerable residents.

Unsafe and unhealthy homes affect the health of millions of people of all income levels, geographic areas, and walks of life in the U.S. Those homes affect the economy directly, through increased utilization of health care services, and indirectly through lost wages and increased school days missed. Housing improvements help prevent injuries and illnesses, reduce associated health care and social services costs, reduce absentee rates for children in school and adults at work, and reduce stress, all which help to improve the quality of life.

HUD’s Office of Lead Hazard Control and Healthy Homes promotes local efforts to eliminate dangerous lead paint and other housing-related health hazards from lower income homes; stimulate private sector investment in lead hazard control; supports cutting-edge research on methods for assessing and controlling housing-related health and safety hazards; and educates the public about

Our Technical Studies Grantees

- **39** active lead and healthy homes technical studies grantees in **17** states
- Amount of current funding awarded:
> \$20 mil
- The studies address key issues such as:
 - Cost effectiveness of home asthma interventions
 - Potential health benefits of green construction/rehab
 - Integrated Pest Management (IPM) approaches to controlling bedbugs and cockroaches in low income multifamily housing
 - Studying the impact of energy upgrades on indoor environmental quality



The states shaded in blue are states with active technical studies grants. Some states have more than one active grant.

Technical Studies Grants: Some Key Results

Asthma: U. of Cincinnati researchers found that mold exposure at age 1 was associated with the development of asthma by age 6.

Fall prevention: Washington U. researchers showed that home interventions reduced falls among high risk, low income seniors.

Improved construction: Harvard U. investigators reported lower concentrations of IAQ contaminants and reduced “sick building syndrome” among residents in units that had undergone safe and healthy rehab.



Technical Studies Grants: Some Key Results (cont'd)

- Weatherization + Healthy Homes Interventions: National Center for Healthy Housing (NCHH) researchers demonstrated that combined Weatherization + Healthy Homes interventions could improve children's asthma control and caregivers' quality of life.
- Lead Hazard Control: NCHH conducted research demonstrating the long-term value of window replacement in reducing dust-lead levels and the importance of conducting post-intervention clearance on attached porches.



Enforcement



Protect Your Family From Lead In Your Home

 United States Environmental Protection Agency

 United States Consumer Product Safety Commission

 United States Department of Housing and Urban Development

- Program and Regulatory Support Division...
 - Enforces the **Lead-Based Paint Disclosure Rule**
 - Works with HUD program offices on compliance with the **Lead Safe Housing Rule**
 - Collaborates on both with HUD Office of General Counsel
- OLHCHH's enforcement efforts have resulted in:
 - Over **200,000** units made lead-safe and
 - Almost **\$1.5 million** in penalties
 - In at least **20** states
 - Since **1999**

Guidance and Performance Criteria

FIGURE 5.4 Forms of Paint Deterioration



FIGURE 5.4a Peeling paint



FIGURE 5.4b Alligatoring paint



FIGURE 5.4c Blistering paint



FIGURE 5.5 Baseboard showing a de minimis amount of deteriorated paint.



FIGURE 5.7 Impact surface on door and frame.

- **Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing**
 - OLHCHH has published two editions of The Guidelines, which is a technical manual for lead hazard evaluation and control in federally-assisted housing.
- **The Healthy Homes Guidance Manual**
 - OLHCHH promulgated a Healthy Homes Program Guidance Manual to provide practical guidance for successfully developing and implementing a local healthy homes program.

Outreach

- **OLHCHH's Website**

- OLHCHH maintains a website that has information about upcoming events; information about our programs; and resources for homeowners, tenants, and stakeholders. <https://hud.gov/lead/> or <https://hud.gov/healthyhomes>.

- **The Healthy Homes Insider eNewsletter**

- OLHCHH publishes a quarterly eNewsletter (the “Healthy Homes Insider”) for stakeholders, homeowners, and tenants. The eNewsletter keeps readers in the know on making homes safe and healthy, cutting-edge research, and other important information.

- **Disaster Recovery**

- OLHCHH works with FEMA, EPA, HHS, OSHA, other offices within HUD, and external partners to integrate healthy homes principles into disaster recovery materials. OLHCHH's disaster recovery materials are available at www.hud.gov/program_offices/healthy_homes/disasterrecovery.

- **Rebuild Healthy Homes App**

- OLHCHH developed an application titled Rebuild Healthy Homes. It is a “how-to-guide” on safely reentering your home after a disaster. It is available in iTunes and Google Play.



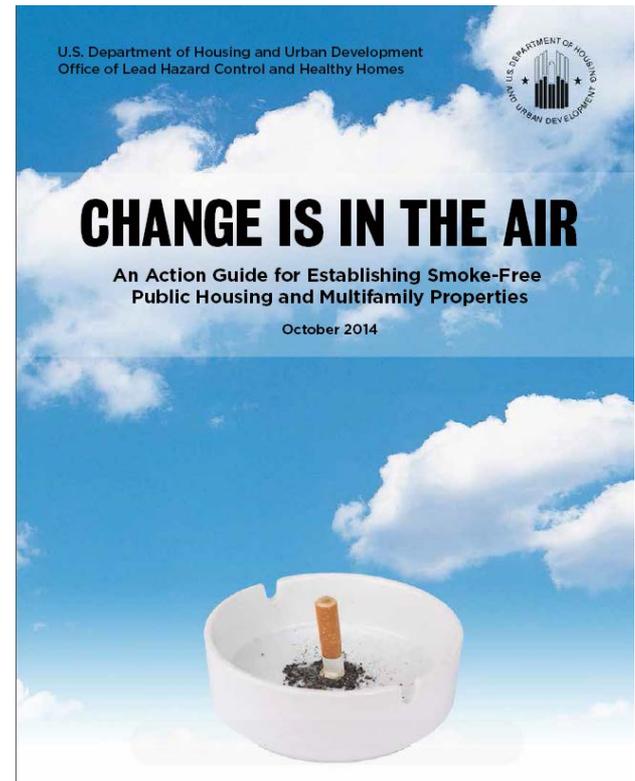
Cross-Cutting Initiatives

• Smoke-free Public Housing

- PIH issued its rule to make the HUD's public housing stock (developments, scattered site home) smoke-free in 2016.
- OLHCHH and Public & Indian Housing (PIH) have worked together closely to promote smoke-free public housing.
- Even before the rule, 612 of 2900 PHAs with public housing developments had implemented smoke-free housing policies through PIH and OLHCHH encouragement efforts.
- OLHCHH and PIH developed smoke free tool kits for public housing agency management and residents
- OLHCHH & PIH published "Change is in the Air" Action Guide (<http://portal.hud.gov/hudportal/documents/huddoc?id=SMOKEFREEACTIONGUIDE.PDF>)

• Medicaid Reimbursements for Lead Poisoning Follow-Up and Home-Based Asthma Assessments

- OLHCHH has collaborated with other agencies, practitioners, and insurance payers to expand Medicaid services and private insurance to provide healthcare financing for lead poisoning follow-up and home-based asthma services.
- OLHCHH is conducting asthma summits to promote insurance reimbursements for asthma home assessments and interventions
- OLHCHH is developing data use agreement templates for jurisdictions to share information on asthma cases and housing where asthma cases have occurred.



Cross-Cutting Initiatives (Cont.)

- **Implementation of the Federal Radon Action Plan**
 - OLHCHH is working to more explicitly include radon testing and intervention in HUD's programs, including public housing.
 - OLHCHH worked to develop and implement new radon testing and mitigation requirements by the Office of Multifamily Housing
 - OLHCHH encourages its grant recipients to test for and mitigate radon hazards
 - OLHCHH partnering with federal and non-federal stakeholders on National Radon Action Plan (headed by EPA & Amer. Lung Assn.)
- **Participation on Federal and Interagency Workgroups**
 - Co-Chairing Lead Subcommittee of Children's Environmental Health Task Force that issued the **Federal Lead Action Plan**
 - Steering Committee of the Federal Action Plan to Reduce Asthma Disparities
 - Chairing Healthy People 2020 Federal Interagency Workgroup