

LEAD POISONING PREVENTION

New Home Buyer and Realtor Education Session



Introductions:

Knatalie Vetter

Environmental Lead Supervisor,
Healthy Homes and Lead Poisoning
Prevention Program (HHLPPP)



Introductions:

Gail Gettens, MS, ECMP

Health Promotion Advisor and
Child Development Specialist
Healthy Homes and Lead Poisoning
Prevention Program (HHLPPP)



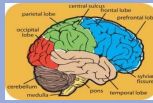
Funded by:

Center for Disease Control And Prevention (CDC)
The Environmental Protection Agency (EPA)
New Hampshire General Funds



Agenda for Today:

The Effects of Lead on Child's Developing Brain



Assessing a home for lead hazards:

- Visually assessing a home
- Using Lead Check Swabs
- Hiring a lead inspector or risk assessor



Federal Laws Regarding Lead- Based Paint:

- HUD/EPA Real Estate Disclosure Law
- EPA Renovation Repair and Painting Law



Lead-Safe Work Practices:

- What do lead safe work practices look like
- How to become or find a RRP certified contractor



New Hampshire 2012 – 2017

Average of over 800 children annually with an elevated blood lead level greater than 5 $\mu\text{g}/\text{dL}$.

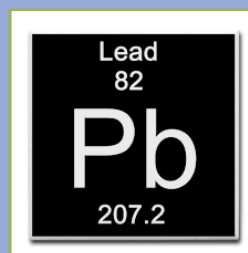
Fewer than 17% of children under 6 years in NH have had a blood lead level test.



What is Lead?

What is its source?

How is it used?



Periodic Table of the Elements

www.elementaltable.com

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H	He											B	C	N	O	F	Ne
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Li	Be	B	C	N	O	F	Ne	Na	Mg	Al	Si	P	S	Cl	Ar	K	Ca
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Na	Mg	Al	Si	P	S	Cl	Ar	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
Cs	Ba	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf
133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
Fr	Ra	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr	Ta
157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174
At	86	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122
Fr	Ra	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr	123
175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
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1581	1582	1583	1584	1585	1585												



How Are NH Children Being Poisoned?

62% of NH's housing stock was
built before lead in residential
paint was banned



62% of New Hampshire's housing
stock was built before lead in
residential paint was banned.



MyChildrenHaveLeadPoisoning.com



LeadSafeAmerica.org



MISLEAD

AMERICA'S SECRET EPIDEMIC

Perfect Storm

Don't See Deficits and Impact Until Older

No Brain-Blood Barrier

Developing Brain

Sweet Tasting

Trace Amounts

Oral Stage

No Immediate Symptoms



Crawl on Floors and Pull to Standing - Surfaces Where Lead Dust Collects

Perfect Pediatric Poison

Potent Neuro-Toxicant

ALABAMA DEPARTMENT OF PUBLIC HEALTH SERVICES
Division of Environmental Health Services
1000 North University Blvd., Suite 1000, Birmingham, AL 35293-3000
205-333-3333

How Much Lead Does It Take To Poison A Child?

Demonstration



Lead's exposures negative impact on a child's developing brain is irreversible.

There is no cure. There is no treatment.



Don't be misled about lead.

Did you know?

It only takes this much **lead** → to **poison** a child.¹

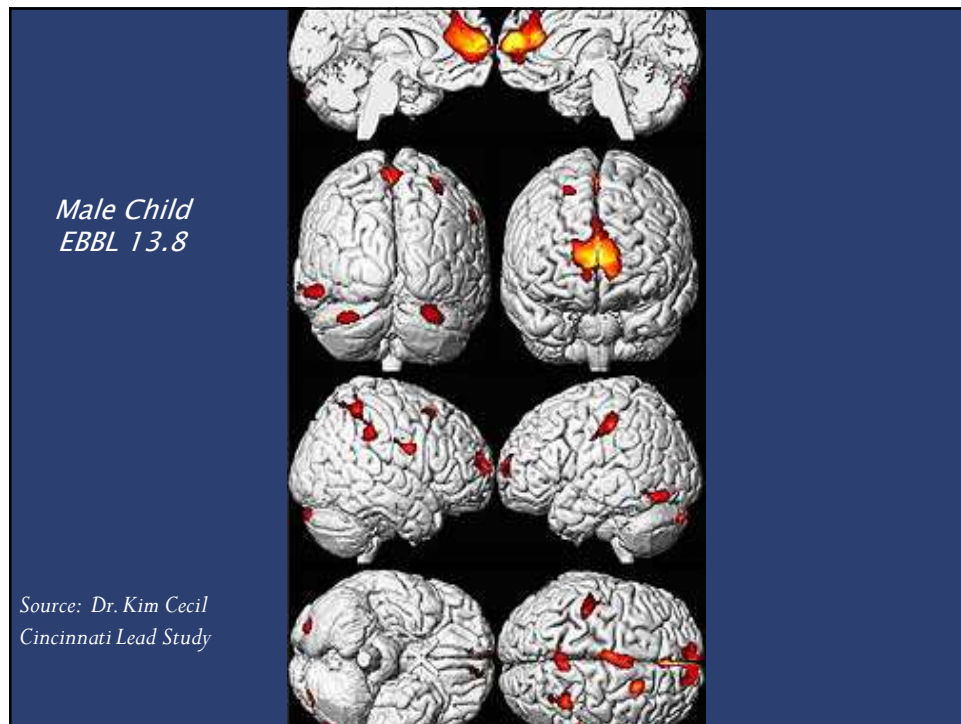


 In the absence of state policy, the American Academy of Pediatrics recommends that **all children be tested at age one and again at age two**. Yet only a fraction are ever tested.²

When it comes to lead exposure, it's best to test.







Lead Exposure's Negative Impact On Specific Abilities

- Lower IQ - Lower or failing test scores
- Poor school performance and achievement
- Behavior problems
- These effect persist, from childhood through adulthood



NH Legislative Updates: Childhood Lead Poisoning



Senate Bill SB247

Signed into law by Gov. Sununu on February 8, 2018

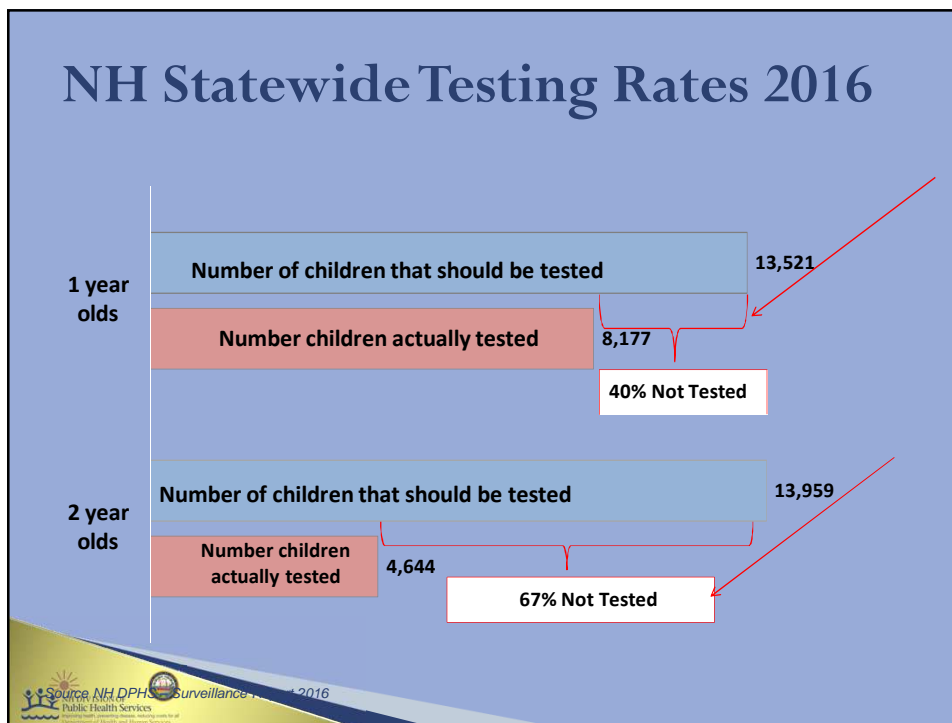
Universal BLL Testing in NH – *effective* April 9, 2018



At **One and **Two**, Testing for Lead is What to Do**

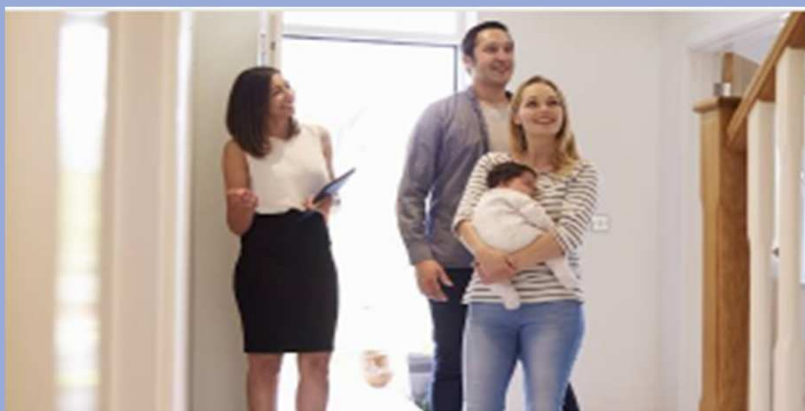


Lead Poisons People, Especially Children.
 Ask your doctor about having **YOUR** children tested for lead
 at their first birthday and again at their second birthday.



Thank You

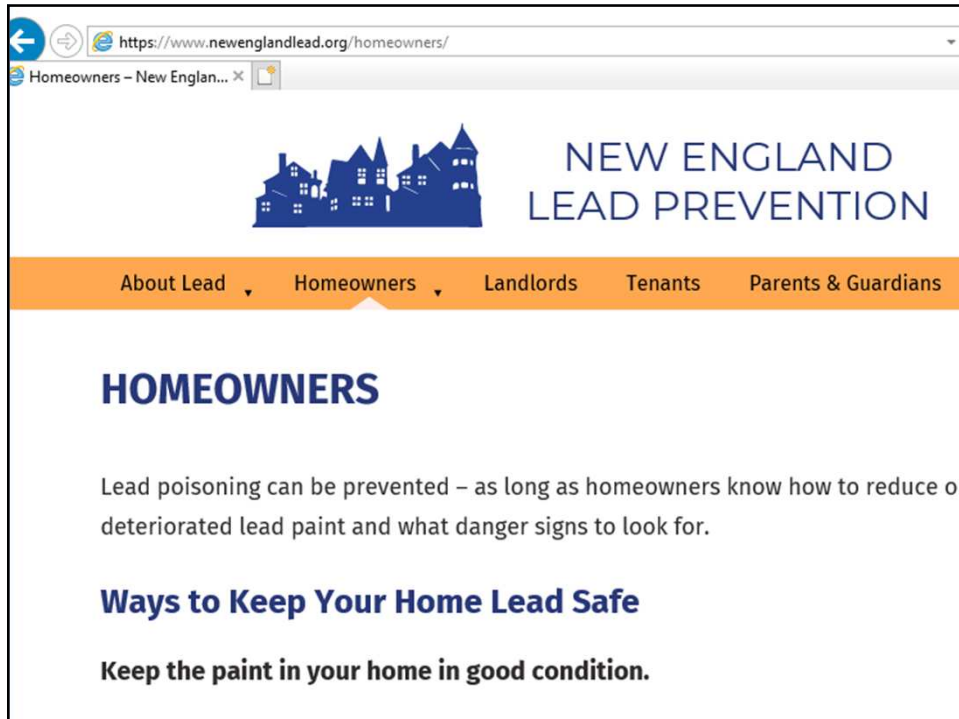
Available to answer questions at end of this session.



3 Bedroom, 2 Bath, Lead Paint? | Lead Poisoning is Preventable ⓘ

[Ad] www.newenglandlead.org/HomeBuyers

Older homes may contain lead paint. Learn more about lead paint hazards.



https://www.newenglandlead.org/homeowners/

Homeowners – New Englan...

NEW ENGLAND LEAD PREVENTION

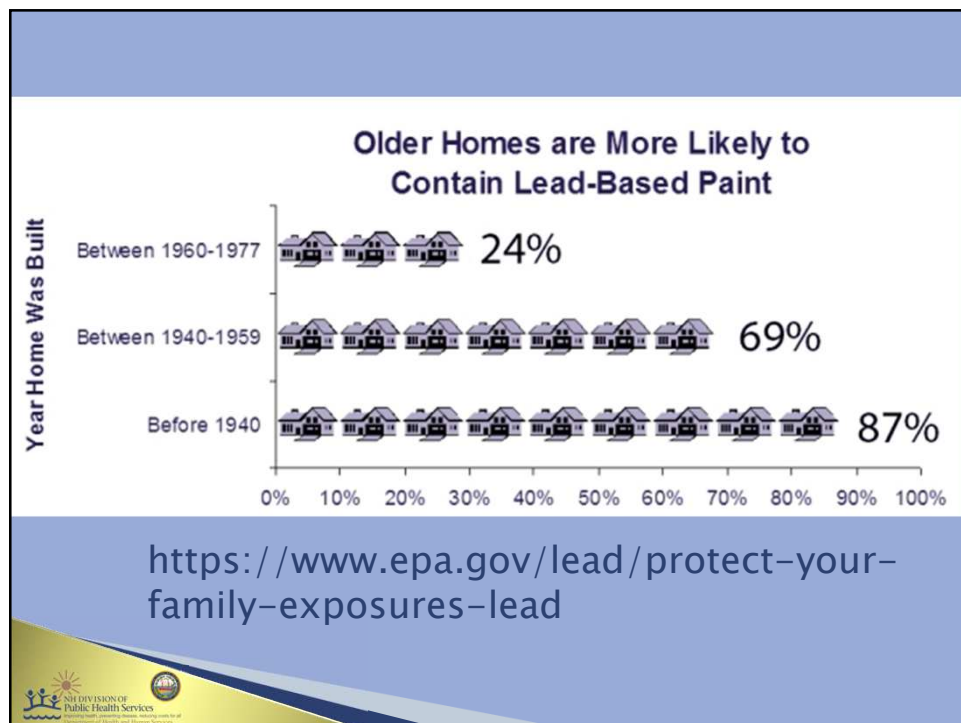
About Lead Homeowners Landlords Tenants Parents & Guardians

HOMEOWNERS

Lead poisoning can be prevented – as long as homeowners know how to reduce or deteriorated lead paint and what danger signs to look for.

Ways to Keep Your Home Lead Safe

Keep the paint in your home in good condition.



Remove Boundary

White Mountain National Forest

NEW HAMPSHIRE

Concord

Manchester

Portsmouth

Map

lead paint - New Hampshire Real Estate & Homes For Sale

9 results Sort by: Newest

10 hours ago

Pierre Piquin Realty

\$289,900 4 bds | 4 ba | 2,396 sqft

359 Central St, Manchester, NH 03103

Apartment for sale

7 days on Zillow

NEW HAMPSHIRE DEPARTMENT OF HEALTH AND HUMAN SERVICES

Contact Agent

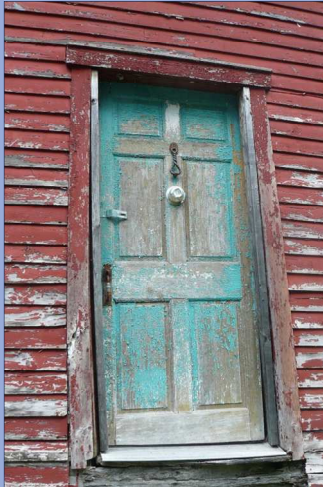
Time on Zillow	Views	Saves
7 days	755	19

Historic Concord New Englander - This home has tons of potential for instant sweat equity. Solid home built in 1880. Recently added

NEW HAMPSHIRE DEPARTMENT OF HEALTH AND HUMAN SERVICES

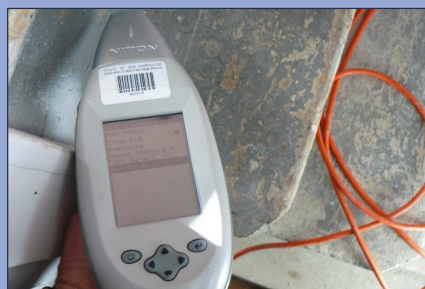
Lead Exposure Hazards

- Deteriorated paint;



Lead Exposure Hazards

- Friction or impact surfaces; or



Lead Exposure Hazards

- ▶ Chewable/mouthable surfaces



Lead Exposure Hazards

- ▶ Bare soil



How Do I Visually Assess a Home for Lead Hazards?



How Do I Visually Assess a Home for Lead Hazards?



How Do I Visually Assess a Home for Lead Hazards?



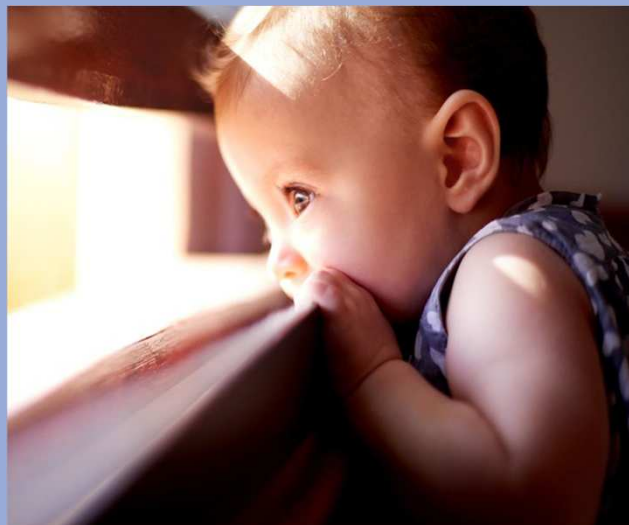
Is the Paint in Poor Condition?



**Will Lead Dust Be Generated From
The Paint Being Rubbed Or Hit?**



**Is the Paint On a Surface That a Child
Can Chew On?**





Is There Bare Soil On The Property?







Red Means Lead



Wouldn't Any Lead Paint Issues be Discovered in the Home Inspection?



dhhs New Hampshire Department of HEALTH AND HUMAN SERVICES

an official NH.gov website

Families & Children Women Teens Adults

Translate this page

Home About DHHS Organization Structure Media Statistics Online Tools Vendors / RFP Job Opportunities Topics A to Z Contact

[DHHS Home](#) > [Division of Public Health Services](#) > [Bureau of Community Health Services](#) > [Homes and Lead Poisoning Prevention](#) > [Information for Property Owners \(Landlords\)](#)

[Forms](#)
[Information](#)
[NH Licensed Lead Professionals](#)

Formal efforts for the control of childhood lead poisoning in New Hampshire began with the adoption of RSA 130-A (Lead Paint Prevention and Control Act of 1993). This statute provides the DPHS with the authority to inspect rental dwelling units and licensed child

NH Licensed Lead Professionals

- [NH Approved Lead Abatement Training Providers](#)
- [NH Licensed Lead Abatement Contractors](#)
- [NH Licensed Lead Abatement Supervisors and Workers](#)
- [NH Licensed Lead Risk Assessors and Inspectors](#)

LOCATION	RISK ASSESSOR LICENSE LIST	BUSINESS NAME & ADDRESS	CONTACT INFORMATION
ALTON, NH	Integrated Lead Inspection Services	PO Box 1213 Alton, NH 03809	Thomas LeMay http://www.integratedleadinspection.com 603-881-1213
BARKINGTON, NH	OZA Environmental, Inc.	11 Merry Hill Road Barkington, NH	David Oliver 603-464-8194 David.Oliver@oza.com
BEDFORD, NH	American Environmental Testing Services of New England, LLC	1 Brady Rd., #210 Bedford, NH 03110	Wanna Leskey (Mickey) www.aetest.com 603-433-4147
DERRY, NH	Institute for Environmental Education	19 Wynn Rd. Derry, NH 03038	Marta Wood 603-490-7575 Dana Dwy 603-490-7441 Lee Wood 603-490-4396 Owen Devine 603-591-4756 www.iese.com info@iese.com http://www.iese.com
MANCHESTER, NH	Alkaway Lead Management	10 Ealy Street Manchester, NH 03102	Cynthia Valera http://alklead.com info@alklead.com 603-647-5465
MANCHESTER, NH	ATC Group Services, LLC	170 Zachary Rd., Unit 1 Manchester, NH 03109	Christine Owen 603-381-0559 christine.owen@atc-grp.com
MERIDITH, NH	Lead Detection LLC	PO Box 1066 Meridith, NH 03113	Mon Ebeaux mon@leadllc.com 603-731-1213
NORTHWOOD, NH	RFP Environmental, Inc.	320 Ferry NH Turnpike Northwood, NH 03256	Karl Ferry 603-492-7432 www.rfp.com
FOXBORO, MA	LSP Solutions, LLC	13 Bird Street, Suite #6 Foxboro, MA 01535	Julie Stearns julie@lspinspections.com 603-776-7529
MELROSE, MA	Time Lead Testing	P.O. Box 740709 Melrose, MA 02176	Daniel Picca daniel@timelead.com 781-799-4763

What are the Laws That I Need to be Aware of Regarding Lead Paint Prior to Selling or Purchasing a Home?



Residential Lead-Based Paint Disclosure Program (Section 1018 of Title X)





**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

Disclosure of Information on Lead-Based Paint and/or Lead-Based Paint Hazards

Lead Warning Statement
Housing built before 1978 may contain lead-based paint. Lead from paint, paint chips, and dust can pose health hazards if not managed properly. Lead exposure is especially harmful to young children and pregnant women. Before renting pre-1978 housing, lessors must disclose the presence of known lead-based paint and/or lead-based paint hazards in the dwelling. Lessees must also receive a federally approved pamphlet on lead poisoning prevention.

Lessor's Disclosure

(a) Presence of lead-based paint and/or lead-based paint hazards (check (i) or (ii) below):

(i) ☐ Known lead-based paint and/or lead-based paint hazards are present in the housing (explain): _____

(ii) ☐ Lessor has no knowledge of lead-based paint and/or lead-based paint hazards in the housing.

(b) Records and reports available to the lessor (check (i) or (ii) below):

(i) ☐ Lessor has provided the lessee with all available records and reports pertaining to lead-based paint and/or lead-based paint hazards in the housing (list documents below): _____

Disclosure of Information on Lead-Based Paint and/or Lead-Based Paint Hazards

Lead Warning Statement

Every purchaser of any interest in residential real property on which a residential dwelling was built prior to 1978 is notified that such property may present exposure to lead from lead-based paint that may place young children at risk of developing lead poisoning. Lead poisoning in young children may produce permanent neurological damage, including learning disabilities, reduced intelligence quotient, behavioral problems, and impaired memory. Lead poisoning also poses a particular risk to pregnant women. The seller of any interest in residential real property is required to provide the buyer with any information on lead-based paint hazards from risk assessments or inspections in the seller's possession and notify the buyer of any known lead-based paint hazards. A risk assessment or inspection for possible lead-based paint hazards is recommended prior to purchase.



Seller's Disclosure

(a) Presence of lead-based paint and/or lead-based paint hazards (check (i) or (ii) below):

(i) _____ Known lead-based paint and/or lead-based paint hazards are present in the housing (explain).



(ii) _____ Seller has no knowledge of lead-based paint and/or lead-based paint hazards in the housing.

(b) Records and reports available to the seller (check (i) or (ii) below):

(i) _____ Seller has provided the purchaser with all available records and reports pertaining to lead-based paint and/or lead-based paint hazards in the housing (list documents below).

(ii) _____ Seller has no reports or records pertaining to lead-based paint and/or lead-based paint hazards in the housing.



What Does That Mean? Does That Mean There is No Lead?



Purchaser's Acknowledgment (initial)

- (c) _____ Purchaser has received copies of all information listed above.
- (d) _____ Purchaser has received the pamphlet *Protect Your Family from Lead in Your Home*.
- (e) Purchaser has (check (i) or (ii) below):
 - (i) _____ received a 10-day opportunity (or mutually agreed upon period) to conduct a risk assessment or inspection for the presence of lead-based paint and/or lead-based paint hazards; or
 - (ii) _____ waived the opportunity to conduct a risk assessment or inspection for the presence of lead-based paint and/or lead-based paint hazards.

Wait, I Can Have a Lead Inspection Done Before Purchasing a Home?



Agent's Acknowledgment (initial)

(f) _____ Agent has informed the seller of the seller's obligations under 42 U.S.C. 4852d and is aware of his/her responsibility to ensure compliance.

Certification of Accuracy

The following parties have reviewed the information above and certify, to the best of their knowledge, that the information they have provided is true and accurate.

Seller	Date	Seller	Date
Purchaser	Date	Purchaser	Date
Agent	Date	Agent	Date



Real Estate Disclosure Rule Requirements Recap

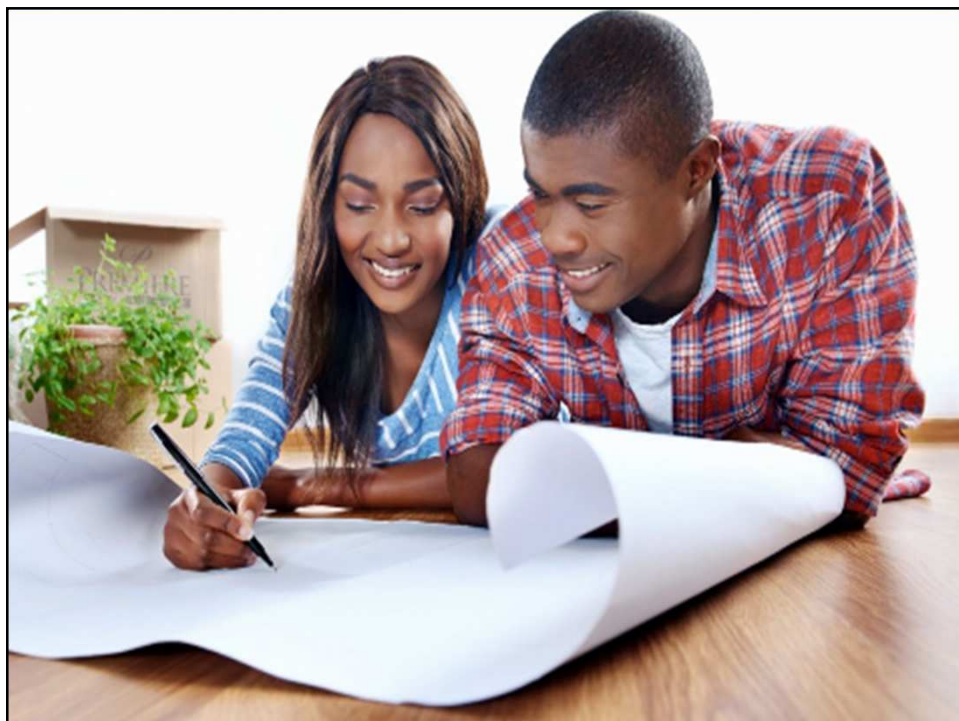
- Pamphlet on identifying and controlling lead-based paint hazards titled [Protect Your Family From Lead In Your Home](#)
- Any known information concerning the presence of lead-based paint or lead-based paint hazards in the home or building.
- A “Lead Warning Statement” and confirmation that the seller has complied with all notification requirements.
- A 10-day period to conduct a paint inspection or risk assessment for lead-based paint or lead-based paint hazards.



Where Can I Get the “Protect Your Family” Book?

The screenshot shows the EPA website's 'Lead' section. On the left is a navigation menu with links: Lead Home, Learn About Lead, Protect Your Family, Renovation, Repair and Painting Program, Evaluating and Eliminating Lead-Based Paint Hazards, Real Estate Disclosure, Science and Technology, Lead Laws and Regulations, Outreach and Grants, and En Español: Plomo. The main content area is titled 'Protect Your Family from Lead in Your Home' and includes a description of the pamphlet, a note about its availability in multiple languages, and a list of download links for various formats (Color Booklet, Bilingual Booklet, and Spanish Booklet) in PDF format, dated June 2017.

<https://www.epa.gov/lead/protect-your-family-lead-your-home>

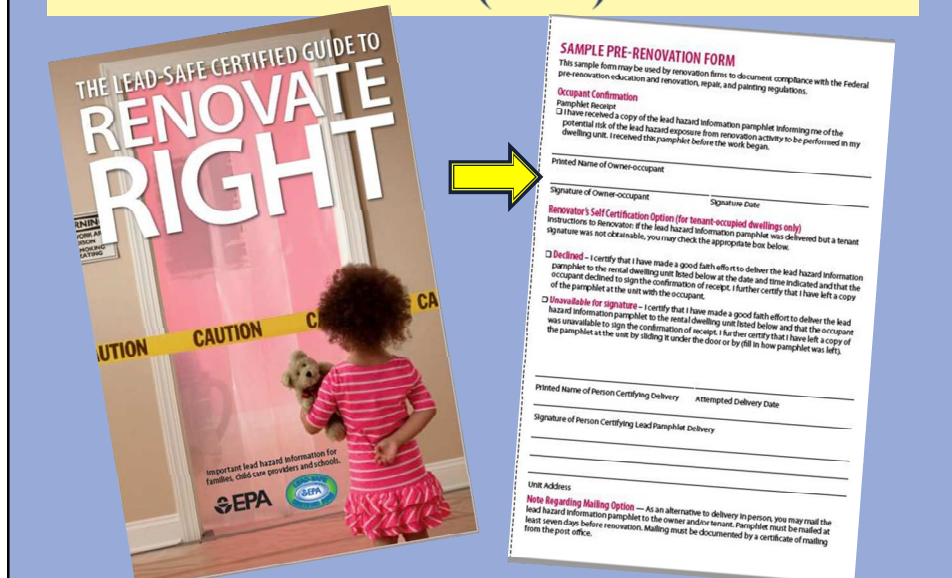


Ways to Keep Your Home Lead Safe

- ▶ Keep the paint in your home in good condition.
- ▶ Keep your home clean.
- ▶ Use cold tap water for drinking and cooking.
- ▶ Identify potential sources of lead in and around your home.



EPA Renovation, Repair, and Painting Rule (RRP)



EPA RRP Law Renovation, Repair, & Painting Rule





What Do Individuals Learn in the RRP Class?

- Setting up containment of a worksite;
- Lead-safe work practices;
- How to protect yourself from lead; and
- The importance of a thorough cleaning



Renovation, Repair, and Painting (RRP) Rule Recap

- Firms are required to be certified with EPA.
- Firm's employees must be trained in the use of lead-safe work practices by taking an 8 hour training course in order to become a “certified renovator”.
- Firm's employees must implement and follow the lead-safe work practices that minimize occupants’ exposure to lead hazards
- Firms must comply with EPA's Pre-Renovation Lead Information Rule: Renovate Right pamphlet



How Do I Locate or Become a RRP Contractor?

www.epa.gov/lead



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Lead

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Status Report for EPA Actions Supporting the Federal Lead Action Plan

The Status Report describes EPA activities that are being conducted in support of the Lead Action Plan.

- [Read the press release.](#)
- [Read the Status Report.](#)

Make sure lead safety is a part of your renovation

- Consumers: [Find a Lead-Safe Certified firm](#)
- Renovation firms: [Apply for lead safe certification/recertification](#)
- Property managers: [Know your responsibilities](#)

Important Points to Remember:

- Consider the Impact of Lead on Children
- Visually assess a property before purchasing
- Hire a licensed individual to test for lead-based paint
- Follow the Real Estate Disclosure Rule for Rentals and Sales
- Follow RRP requirements or hire an RRP-certified firm
- If you perform your own renovations, work lead safe!
- Don't be Afraid to Ask Questions
- No knowledge of lead does not mean no lead present

Questions?

Please also see our resource table

