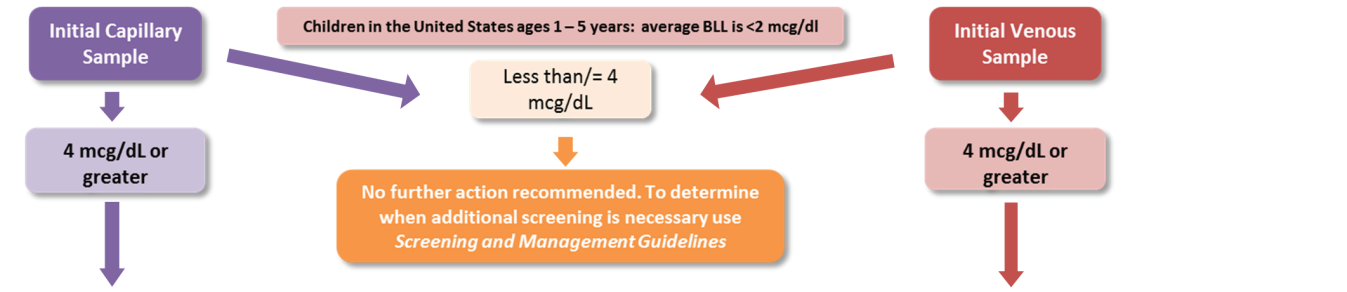


LEAD POISONING



CHILD MEDICAL MANAGEMENT

Quick Guide for Lead Testing & Treatment



Schedule For Obtaining Venous Sample	
Capillary Blood Lead Level	Confirm For Venous Test Within
≤4 mcg/dl	No confirmation is needed unless risk factors are present. For children screened at <12 months of age, consider testing in 3 – 6 months as BLL may increase with mobility.
4-9 mcg/dL	3-6 months if under age 3, retest based on risk factors if over age 3
10-19 mcg/dL	1 month
20-44 mcg/dL	1 week
45-69 mcg/dL	48 hours
70+ mcg/dL	Immediately as an emergency test
The higher the capillary test result, the more urgent the need for a confirmatory venous test	

Schedule For Venous Re-testing	
Venous Blood Lead Level	Follow-Up and Re-testing
≤ 4 mcg/dl	Retest child per Universal BLL testing of 1 YO and 2 YO's. Retest child 6 – 12 months if child is at high risk or risk changes during time frame.
4-9 mcg/dL	3 months* Seasonal variations in BLL's exist, especially in colder climates. Greater exposure in warmer months. May necessitate more frequent follow-up testing.
10-19 mcg/dL	3 months
20-39 mcg/dL	1-2 months
40-69 mcg/dL	1-2 weeks
70+ mcg/dL	Initiate chelation and re-test within 1-2 weeks
*Some providers may choose to repeat BLL tests on all new pts. Within 1 month to ensure BLL is not rising more quickly than anticipated.	

Clinical Treatment Guidelines for Venous Confirmed Blood Lead Levels			
3 - 9 mcg/dL	10 - 44 mcg/dL	45 - 69 mcg/dL	70+ mcg/dL
<ul style="list-style-type: none">Provide factsheets to parents (<i>Lead & Children, Lead & Nutrition</i>)Follow-up BLL monitoring - Infants with initial >4 mcg/dl retest earlier than 3–6 monthsTest siblings for EBLLHHLPPP sends letter to home, notifying parents of EBLL	<p>Continue management, AND:</p> <ul style="list-style-type: none">Rule out iron deficiency & prescribe iron if neededNeurodevelopmental monitoring & consider referral for evaluationPatients with BLL of 25-44 mcg/dL need aggressive environmental interventionCHEMET (succimer) is NOT recommended to treat BLL 25-44 mcg/dL as there is no cognitive benefitHHLPPP provides nurse case management & environmental lead investigation	<ul style="list-style-type: none">Confirm BLL within 2 daysStop iron therapy prior to chelationBegin chelation in consultation with clinician experienced in lead toxicity therapyConsider directly observed therapy with CHEMET (succimer)For chelation guidance contact PEHSU at Children's Hospital @ 1-888-214-5314 and/ or follow AAP Treatment GuidelinesEnsure child is discharged to a lead-free environment	<p>EMERGENCY!</p> <ul style="list-style-type: none">Confirm BLL immediatelyHospitalize even if asymptomaticBegin medical treatment immediately in consultation with clinicians experienced in lead toxicity therapyCall PEHSU AT 1-888-347-2632Continue management as noted for 45-69 mcg/dL BLLs

LEAD POISONING



LEAD TESTING QUICK GUIDE

With LeadCare II® Analyzers

Using LeadCare II® Analyzers

Supplies Needed for Testing

- ☐ LeadCare II® Test Kit
- ☐ Sterile Lancet
- ☐ Alcohol Wipe
- ☐ Gauze pads
- ☐ Bio-hazard container
- ☐ Disposable gloves
- ☐ Lab coat & safety glasses
- ☐ Band-aids®
- ☐ Absorbent cover for supplies to be placed own
- ☐ Soap & water to clean collection site

Calibrating

Calibrate your Analyzer to the lot number in use per manufacturer instructions

Calibrate with your button:

- The first time you use the analyzer
- Each time you use a new test kit
- When the analyzer displays a recalibration message

QUESTIONS ON NEW HAMPSHIRE'S
REPORTING REQUIREMENTS?
1-603-271-3968

Collecting Capillary Specimens for Lead

Personal, Patient and Area Prep

- Designate a clean work area dedicated to blood lead testing.
- Warm hands under warm water to ensure good blood flow
- Scrub area to be punctured with soap & water. If water is not available, use pre-moistened towelettes.
- Allow puncture site to air dry. Don't let area to come into contact with other surfaces.

Testing

- Scrub area to be punctured with soap & water. If water is not available, use pre-moistened towelettes
- Clean area to be punctured with the alcohol pad & dry with gauze pad.
- Using a lancet, puncture the finger pad to the side of the center.*
- Wipe away the first drop of blood.
- Hold the heparinized capillary tube almost horizontally, with the green band on top, fill to the 50 µL black line. Filling stops when the blood reaches the black line.
- Remove the excess blood from the outside of the tube with a clean wipe or gauze pad. Use a downward motion to wipe excess blood from the capillary tube.
- Dispense blood sample into treatment reagent vial. Gently invert the treatment reagent/blood mixture 8-10 times to mix the blood.
- Insert sensor into LeadCare II® Analyzer until it beeps and use transfer dropper to deposit sample onto the "X". The test will automatically begin. Record the result on the display window after 3 minutes.
- Report all results. "Low" in the display window indicates a result less than 3.3 mcg/dL and must be reported as "less than (<) 3.3 mcg/dL".

Clean up

Clean your work area daily. When contaminated, use a 9 parts cool water and 1 part household bleach solution.

*Puncturing the fingers of infants less than 1 year old is not recommended by CDC. Obtain from heel area or big toe.

Updated February 2018

LEAD POISONING



MEDICAL MANAGEMENT

Lead Screening Designations for NH Areas

Recommendations for Lead Screening focus on populations most at risk in order to have an efficient policy that is responsive to local needs and conditions.

U=Universal: Test all children at ages one and two and three- to five- year-olds not tested at age two.

T=Targeted: Test all children at ages one and two who have Medicaid insurance or are receiving WIC benefits. Assess all other children with a risk questionnaire at ages one and two. Also administer questionnaire for three to five year olds not assessed or tested at age two.

Acworth Albany Alexandria Allenstown Alstead Alton Alton Bay Amherst Andover Antrim Ashland Ashuelot Atkinson Auburn Barnstead Barrington Bartlett Bath Bedford Belmont Bennington Benton Berlin Bethlehem Boscawen Bow Bowker Bradford Brentwood Bretton Woods Bridgewater Bristol Brookfield Brookline Cambridge Campton Canaan Candia Canterbury Carroll Center Barnstead Center Conway Center Harbor Center Ossipee Center Sandwich Center Strafford Center Tuftonboro Charlestown Chatham Chester Chesterfield Chichester Chocoma Claremont Clarksville Clinton Colebrook	Columbia Concord Contoocook Conway Cornish Cornish Flat Croydon Daltou Danbury Danville Davisville Deerfield Deering Derry Dixville Dorchester Dover Drewsville Dublin Dummer Dunbarton Durham East Alstead East Alton East Andover East Candia East Derry East Hampstead East Kingston East Lebanon East Lempster East Rochester East Sullivan East Swanzey East Wakefield Easton Eaton Effingham Elkins Ellsworth Enfield Enfield Center Epping Epsom Errol Etna Exeter Farmington Fitzwilliam Franklin Chesterfield Freedom Fremont Georges Mills Gilford Gilmanton	Gilmanton Ironworks Gilsom Glen Glencoff Goffstown Gonic Gorham Goshen Grafton Grantham Greenfield Greenland Greenville Groton Groveton Guild Hampstead Hampton Hampton Beach Hampton Falls Hancock Hanover Hanover Center Harrisville Hart's Location Haverhill Hebron Henniker Hill Hillsboro Hillsborough Hinsdale Hinsdale Holderness Hollis Hooksett Hopkinton Hudson Intervale Jackson Jaffrey Jefferson Kearsarge Keene Kellyville Kensington Kingston Laconia Lakeport Lancaster Landaff Langdon Lebanon Lee Lempster Lincoln Lisbon Litchfield	Littleton Lochmere Londonderry Loudon Lyman Lyme Lyndeborough Madbury Madison Manchester Marbleborough Marlow Mason Melvin Village Meredith Meredith Center Meriden Merrimack Middletown Milan Milford Millsfield Milton Milton Mills Mirror Lake Monroe Mont Vernon Moultonborough Mt Sunapee Munsonville Nashua 03060 Nashua 03064 Nashua 03062-3 zips Nelson New Boston New Castle New Durham New Hampton New Ipswich New London Newbury Newfields Newington Newmarket Newport Newton Newton Junction North Conway North Hampton North Haverhill North Salem North Sandwich North Stratford North Sutton North Walpole North Woodstock	Northfield Northumberland Northwood Nottingham Odell Orange Orford Ossipee Pelham Pembroke Penacook Peterborough Piermont Pike Pinnardville Pittsburg Pittsfield Plainfield Plaistow Plymouth Portsmouth Potter Place Randolph Raymond Richmond Rindge Rochester Rollinsford Roxbury Rumney Rye Rye Beach Salem Salisbury Sanbornton Sanbornville Sandown Sandwich Seabrook Sharon Shelburne Shelby Lake Somersworth South Acworth South Charlestown South Chatham South Deerfield South Effingham South Hampton South Kingston South Sutton South Tamworth Spofford Springfield Stark Stewartstown Stinson Lake	Stoddard Strafford Stratford Stratham Success Sugar Hill Sullivan Sunapee Suncook Surry Sutton Swanzey Swiftwater Tamworth Temple Thornton Tilton Troy Tuftonboro Twin Mountain Union Unity Wakefield Walpole Warner Warren Washington Waterbury Valley Weare Webster Weirs Beach Wentworth West Canaan West Chesterfield West Franklin West Hampstead West Lebanon West Nottingham West Ossipee West Peterborough West Springfield West Stewartstown West Swanzey Westmoreland Whitefield Wilmet Wilton Winchester Windham Windsor Winnisquam Wolfeboro Wolfeboro Falls Wonalancet Woodstock Woodsville
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NH Department of Health & Human Services, Division of Public Health Services

1-800-897-LEAD

NH Department of Health & Human Services, Division of Public Health Services

1-800-897-LEAD or LeadRN@dhhs.nh.gov

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