

Lead Testing Strategies September 2022



John Monaghan, Principal Consultant

Monaghan Consulting, LLC



Projects to Improve Testing for Lead



Blood Lead Level Testing

Lead Care II Screening:

- Lowest test-rate providers
- School-based clinics



Environmental Testing

Env. Assessments & Mapping:

- Neighborhood-wide external visual assessments & mapping
- Soil testing & mapping, grades 6-12 science lab module



Neighborhood Outreach

Community Spaces:

- Cleveland – Lead Resource Center
- Utica – Empowerment Center
- Rochester – Healthy Home Museum

Community Messaging:

- PSA: Testing at Ages 1 & 2
- Mini-documentary: *Lead Poisoning...The Perfect Predator*

Increase Blood Lead Level Testing: Lead Care II



Lowest Test Rate Providers

- Geographic Focus: Utica, Rome, Herkimer, Ilion, Little Falls – New York
- Health Departments identified medical providers with the lowest testing rates
- Herkimer County HealthNet & Health Departments jointly visited providers
- Health Department offered training to medical staff on lead poisoning risks, and testing & screening protocols
- Herkimer County HealthNet offered free Lead Care II machines and test supplies for providers to screen children during their regular in-office check-up visits (no need to go to the lab for a blood draw)



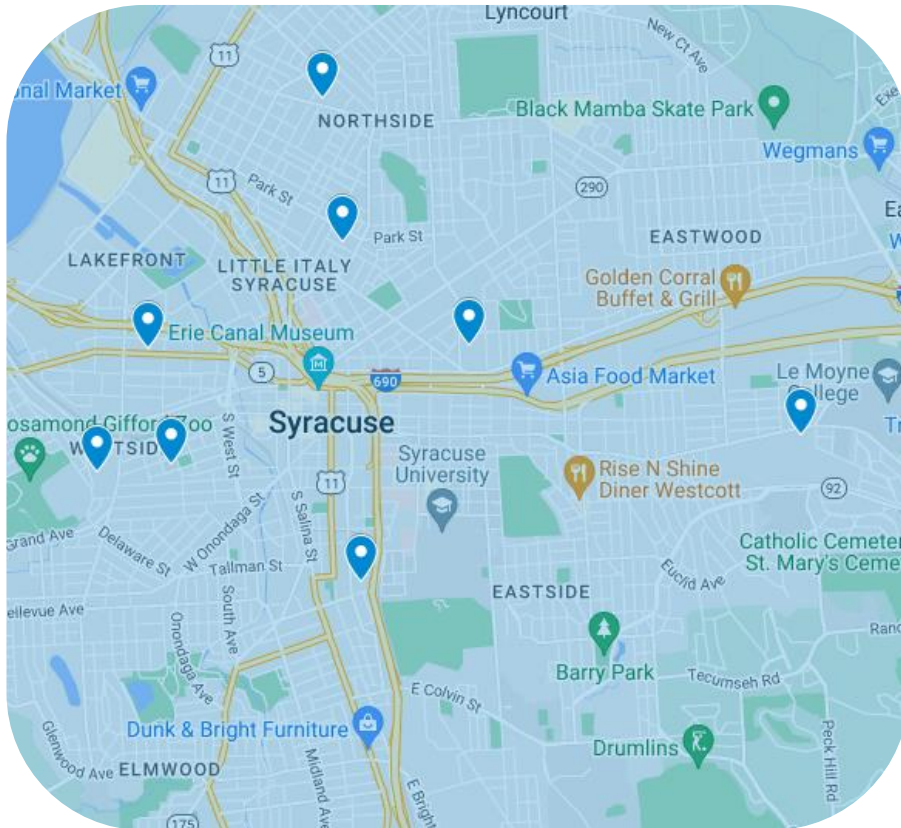
School-Based Clinics

- Geographic Focus: Utica, New York
- Partnered w/ Upstate Family Health Center which runs 3 school-based clinics
- MLK Elementary School is located in a neighborhood w/ high rates of lead poisoning and has a school-based clinic
- Free Lead Care II machine and a year's worth of testing supplies for the clinic
- All students offered lead screening, starting with the kindergarteners
- Educational materials and program referrals sent home with enrolled students

Increase BLL Testing: School Based Clinics in Syracuse



School-Based Clinics Map



School-Based Clinics Directory

Clinic Sponsor Organization:

- Syracuse Community Health Center

Elementary Schools:

- Dr. Weeks Elementary School
- Franklin Magnet Elementary School
- HW Smith Elementary School
- Westside Academy/Syracuse Stem at Blodgett



Increase Environmental Testing: Neighborhood Assessment



Neighborhood Visual Assessment

- Geographic Focus: Herkimer, New York
- Partnered w/ the Mayor and Herkimer County HealthNet
- 2 summer interns were trained on HUD's visual assessment protocols
- Interns conducted door-to-door neighborhood canvassing to conduct visual inspections from the curb, noting deteriorated paint, window, door, and porch conditions.
- Data were entered into a database and mapped in ARC GIS



Assessment Mapping & Follow-Up

- Lit Drop: Households with deteriorated paint received educational materials on lead-safe renovation
- Referral to Housing Programs: Households received referrals to two housing non-profits with free lead remediation and home improvement programs
- Monitoring for Code Compliance: Results were shared with the Mayor, Code Officer, and Health Department for inspection and enforcement follow-up with problematic landlords

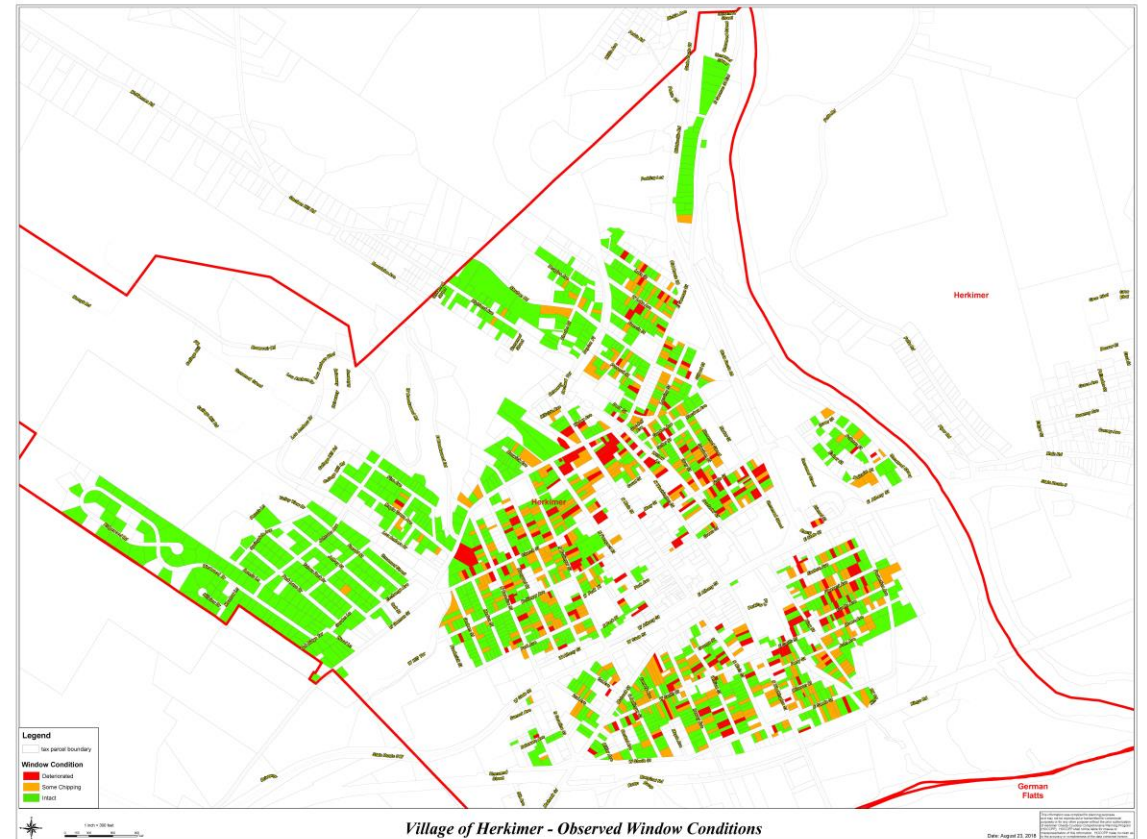
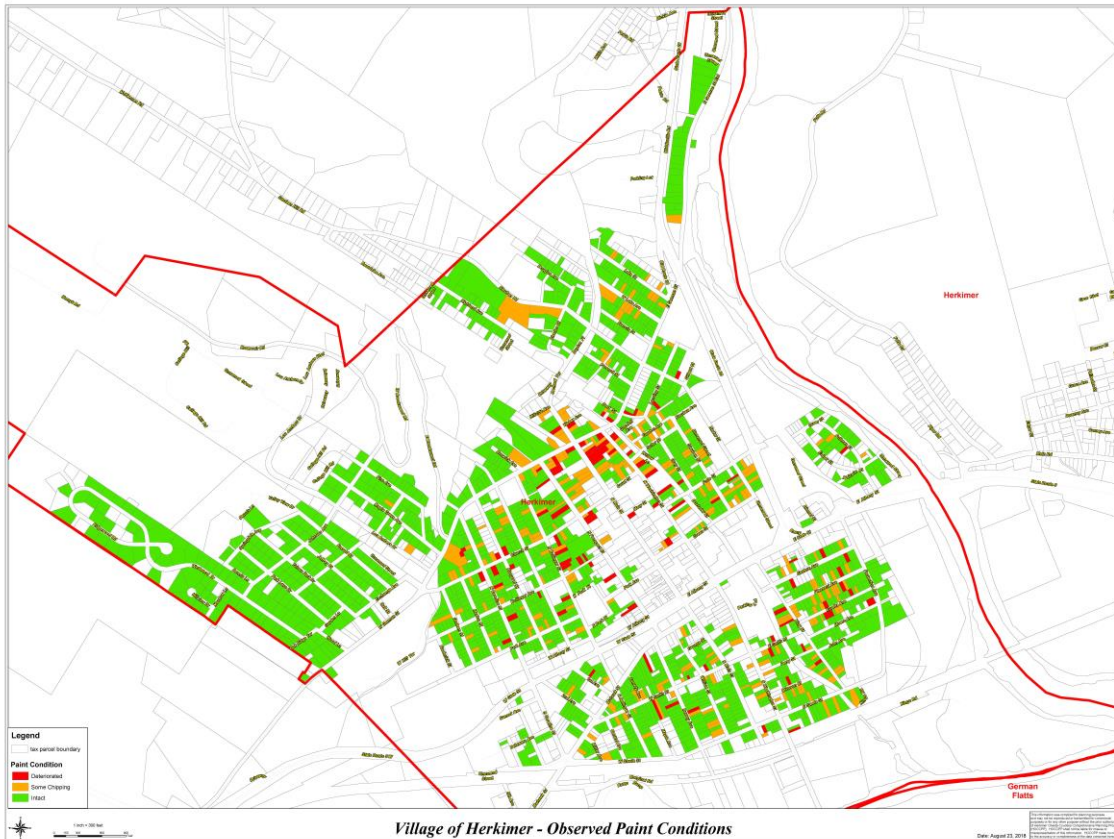
Increase Env. Testing: Neighborhood Assessment Results



Herkimer, NY: Paint Conditions



Herkimer, NY: Window Conditions



Increase Env. Testing: Neighborhood Assessment Results



Neighborhood Soil Testing

- Geographic Focus: Greenpoint, Brooklyn, New York
- Partnered w/ Columbia University and local public schools
- Columbia University graduate students helped residents in Greenpoint take and test soil samples
- Results of the test were mapped as part of an exploration of the Greenpoint Neighborhood's disproportionate rate of childhood lead exposure
- Demonstrated a correlation between lead in soil and the neighborhood's higher lead exposure rates



Mapping & Follow-Up

- Columbia was working on a grade 6-12 science class module on how to take soil samples, run the soil tests in class, and mitigate risk including receiving free tacky/sticky mats to remove lead dust from the bottoms of shoes
- The goal of the program was to raise awareness, engage students in citizen science, and promote STEM education
- The initial “backyard” testing program was followed up with soil testing projects at City parks and playgrounds
- Free soil testing is offered by ATSDR through its soilSHOP community events

Increase Env. Testing: Neighborhood Assessment Results

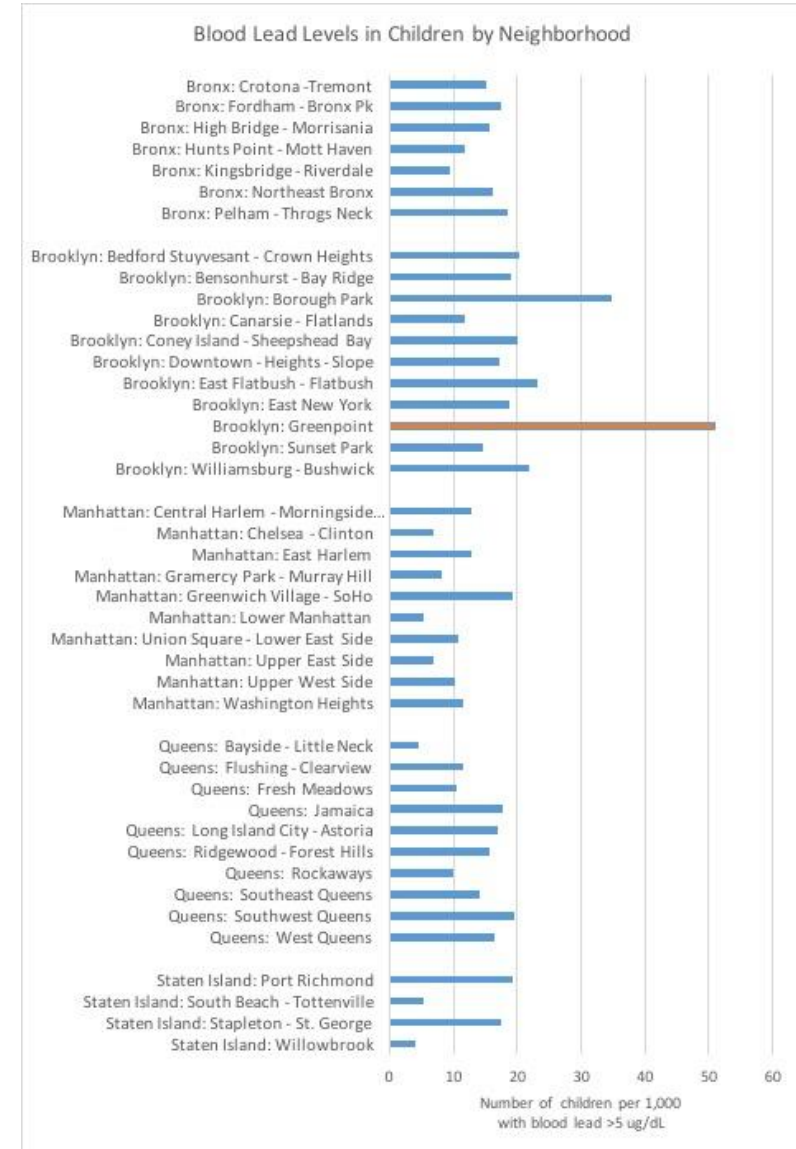
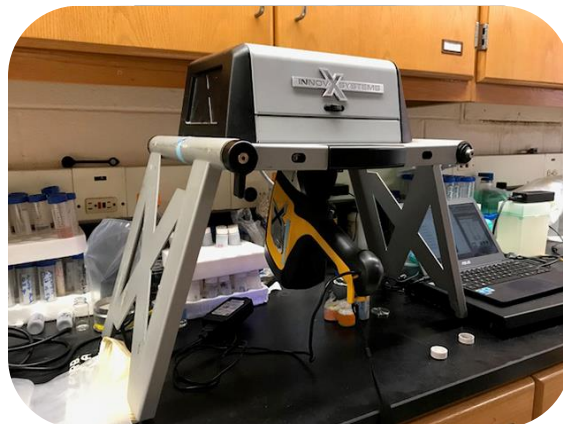


Backyard Soil Sampling Project



Left: Backyard soil sampling equipment

Right: X-ray fluorescence spectrometer (modified for soil testing)



Neighborhood Outreach: Community Centers



Lead Safe Cleveland Coalition

- Geographic Focus: Cleveland, OH
- Lead Safe Cleveland Coalition partnered with Environmental Health Watch to create the Lead Resource Center, a one-stop-shop for lead poisoning prevention with the following goals:
- Connect community members to resources, services, and support
- Raise awareness through public education on lead poisoning and prevention
- Connect landlords and tenants to financial resources for lead remediation
- Remediate lead in homes under the City's new lead-safe certification ordinance
- Activate community groups to participate in lead poisoning prevention systems change



Cleveland: Lead Resource Center



Neighborhood Outreach: Community Centers



Lead-Free Mohawk Valley

- Geographic Focus: Utica, NY
- The City of Utica and the HomeOwnershipCenter partnered to create *The Empowerment Center* in the Cornhill neighborhood, which has high rates of lead exposure.
- Includes flexible community meeting space, flexible office space for community outreach workers, client intake, and training space
- The location is also used to host community events, including summer BBQs, family events, and holiday events



Utica: The Empowerment Center



Neighborhood Outreach: Outreach & Education Centers



Coalition to Prevent Lead Poisoning

- Geographic Focus: Rochester, NY
- A partnership between the Coalition, University of Rochester, Southwest Area Neighborhood Association, and Fatherhood Resource Initiative
- Included exhibits with examples of unhealthy and healthy home components included lead-painted windows, asthma triggers, how to conduct lead-safe cleaning, lead-safe work practices, et cetera.
- The location was used for community and service provider education and training



Rochester: Healthy Home Museum



Neighborhood Outreach: PSAs & Mini-Documentaries



Testing at Ages 1 & 2 Public Service Announcement

- Geographic Focus: Utica & Rome, NY
- A partnership between Lead-Free MV & the Health Department to show PSAs at movie theaters, doctor's office waiting rooms, and at social services offices
- Ran during Healthy Homes Month (June) and during Lead Poisoning Prevention Awareness Week (October)



Mini-Documentaries

- Geographic Focus: Syracuse, Utica, Ithaca
- Lead Poisoning... The Perfect Predator
- Partnership of many organizations lead by Cornell Cooperative Extension of Oneida County; tells story of lead poisoning from the parent, child, landlord, elected official, health department and physician perspectives



Questions?

TRADE MARK
REG. U. S.
PAT. OFF.

Dutch Boy

WHITE LEAD



John Monaghan, Principal Consultant

Email: John@MonaghanConsulting.com