

# Better Health Partnership 2021 Annual Report to the Community

## Elevating Children's Health



### Mobilizing Lead Safe Strategies for Children

*Webinar Series: Part 2*

September 22, 2021 - 12:00 – 1:00 p.m.

**Welcome!**

**Donald Ford, MD**

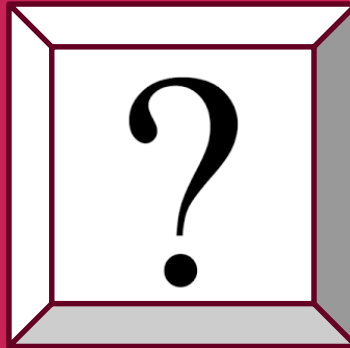
*Chief Medical Officer*

Better Health Partnership

# Before we begin...

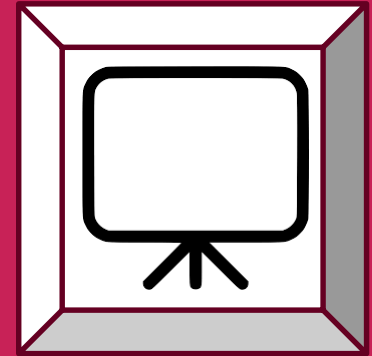


Everyone  
will be  
muted.



Submit your  
questions via the  
“Chat” window.

Q & A will be  
at the end.



Presentations  
will be posted  
on our  
website.



Working together  
since 2007....

to *collectively*  
impact health  
and health  
disparities



# Save the Date

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## Better Health Partnership Virtual Learning Collaborative

November 12, 2021

8:30 am – 12:30 pm

Questions: Carol Kaschube

[ckaschube@metrohealth.org](mailto:ckaschube@metrohealth.org)



# Agenda

September 22, 2021

## Mobilizing Lead Safe Strategies for Children

### Welcome & Logistics

Donald Ford, MD

### Lead Safe Cleveland Coalition

Wyonette Cheairs, Sr. Program Officer, Enterprise Community Partners, Inc.

### Lead Safe Resource Center

Chantal Tademy, Senior Director for People, Operations & Culture, Environmental Health Watch

### Regional Lead Testing for At-Risk Children

Chris Mundorf, MPH, PhD, Director, Data Analytics, Better Health Partnership

### Closing gaps in Lead Testing and Referrals – Innovative Provider Strategies

Matthew Tien, MD, Co-chair, MetroHealth Lead Coalition, CWRU School of Medicine

### Closing & Q & A

Donald Ford, MD

# Lead Safe Cleveland Coalition

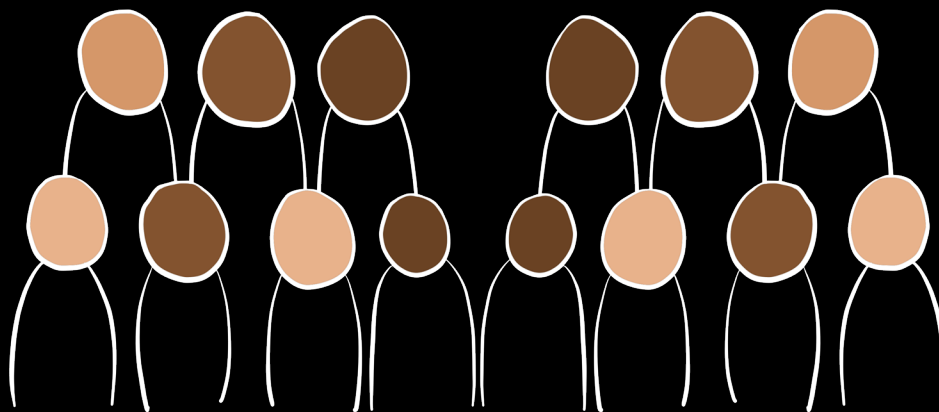
**Wyonette Cheairs**

*Senior Program Officer*

Enterprise Community Partners, Inc

# Lead Safe Cleveland Coalition BHP Annual Report to the Community

Know the Sources.  
Prevent Exposure.  
Let's Build a Lead Safe Cleveland!



**LEAD  
SAFE**  
CLEVELAND  
COALITION



# Agenda

- Crisis of Childhood Lead Poisoning
- Lead Safe Certification Law
- Overview of Lead Safe Home Fund
- City of Cleveland Lead Safe Boards + Commission
- Lead Safe Resource Center
  - 6 Steps to Certification
- Stay Engaged

“Most people don't care until it happens to them. But the catch about lead poisoning is that it could really be happening to all of us.”

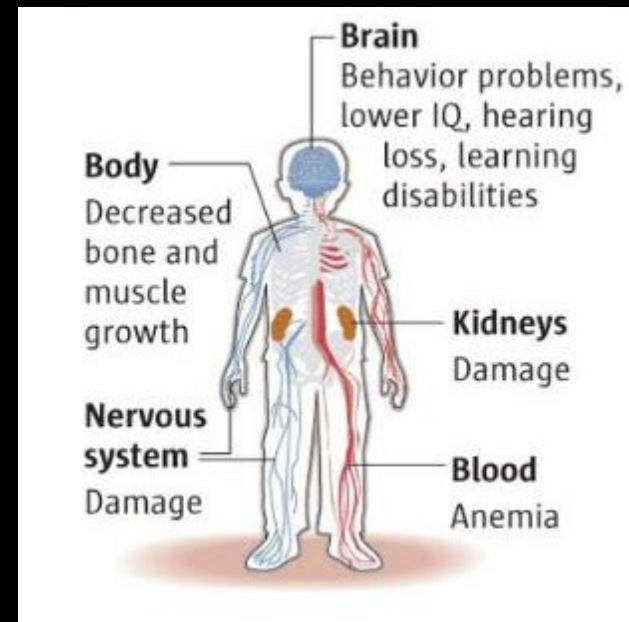
Kareemah  
Mother,  
Community Voice



**LEAD  
SAFE**  
CLEVELAND  
COALITION

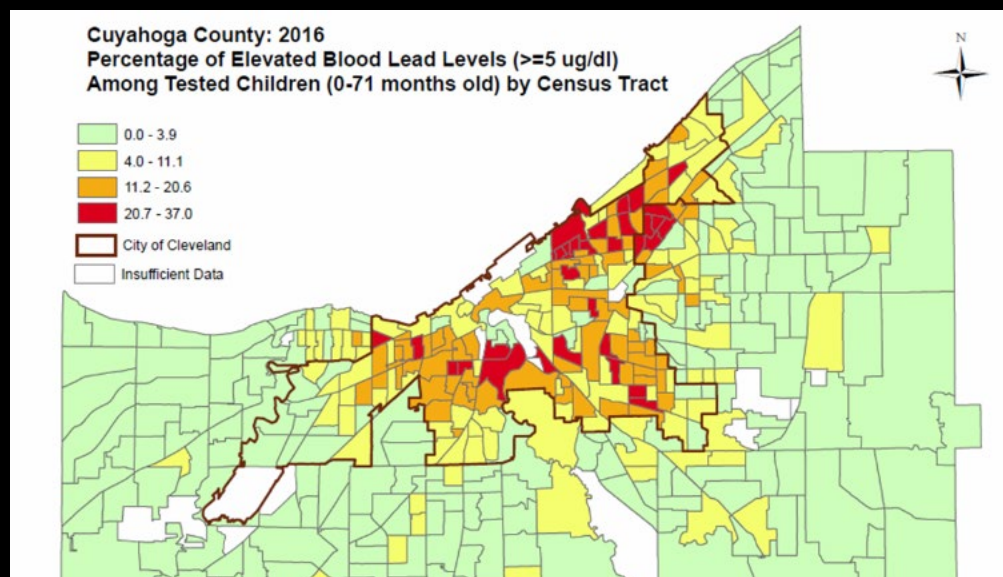
# The Crisis of Childhood Lead Poisoning

- Crisis in Cleveland: Rates 4x national average
- Disproportionate impact on Black and Brown families
- Lead-based paint + lead-contaminated dust are the most common form of lead exposure for children in Cleveland
- Downstream, lifelong consequences
- Importance of prevention - effects of lead exposure are irreversible but can be *prevented*
- Lead safe approach: feasible, effective, and proven
- Health Care and Housing



# Crisis of Childhood Lead Poisoning

Among all children entering CMSD between 2014 and 2016, **25%** had an elevated blood lead level at or above 5 mcg/dL at some point before Kindergarten.



# Why do we do this work?

A recent study found that Cleveland children with elevated blood-lead levels had:

**27%**  
less likely  
to be on track  
for kindergarten

**25-30%**  
more likely  
to enter the  
juvenile justice  
system

**34%**  
more likely  
to be  
incarcerated  
as adults

**“Lead poisoning can affect anybody.**

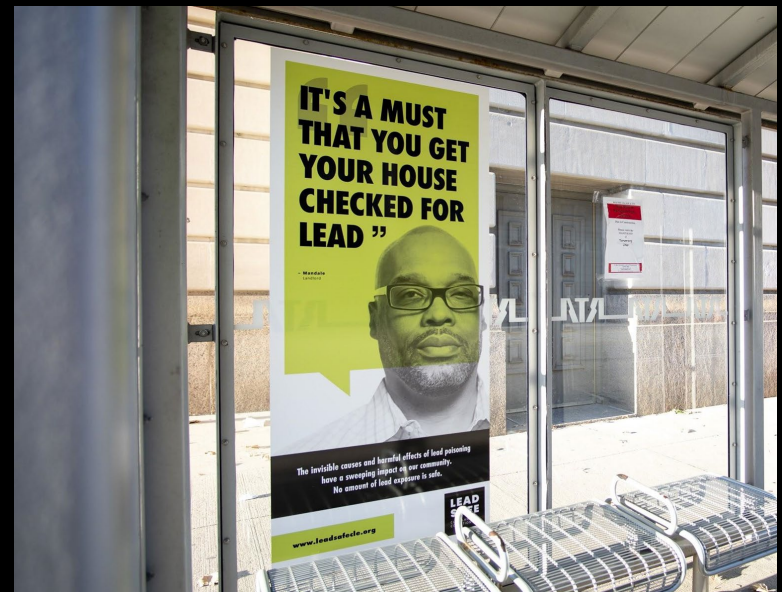
Mandale  
Landlord



# What is the Lead Safe Cleveland Coalition?

An inclusive, open-to-all Coalition committed to making Cleveland lead safe.

500+ members believe that no child should ever be poisoned by lead.



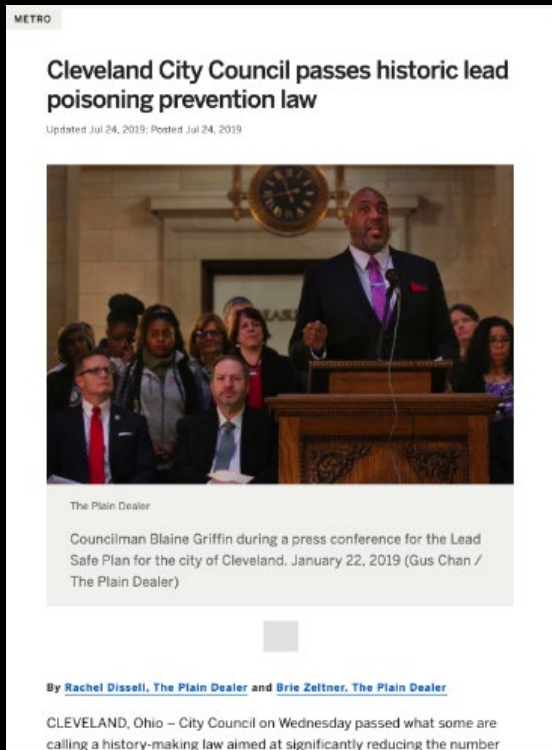
# Public Health Crisis with a Housing Solution



# The Lead Safe Solution

Focus on  
prevention by  
proactively creating  
lead safe spaces

# Lead Safe Certification Law



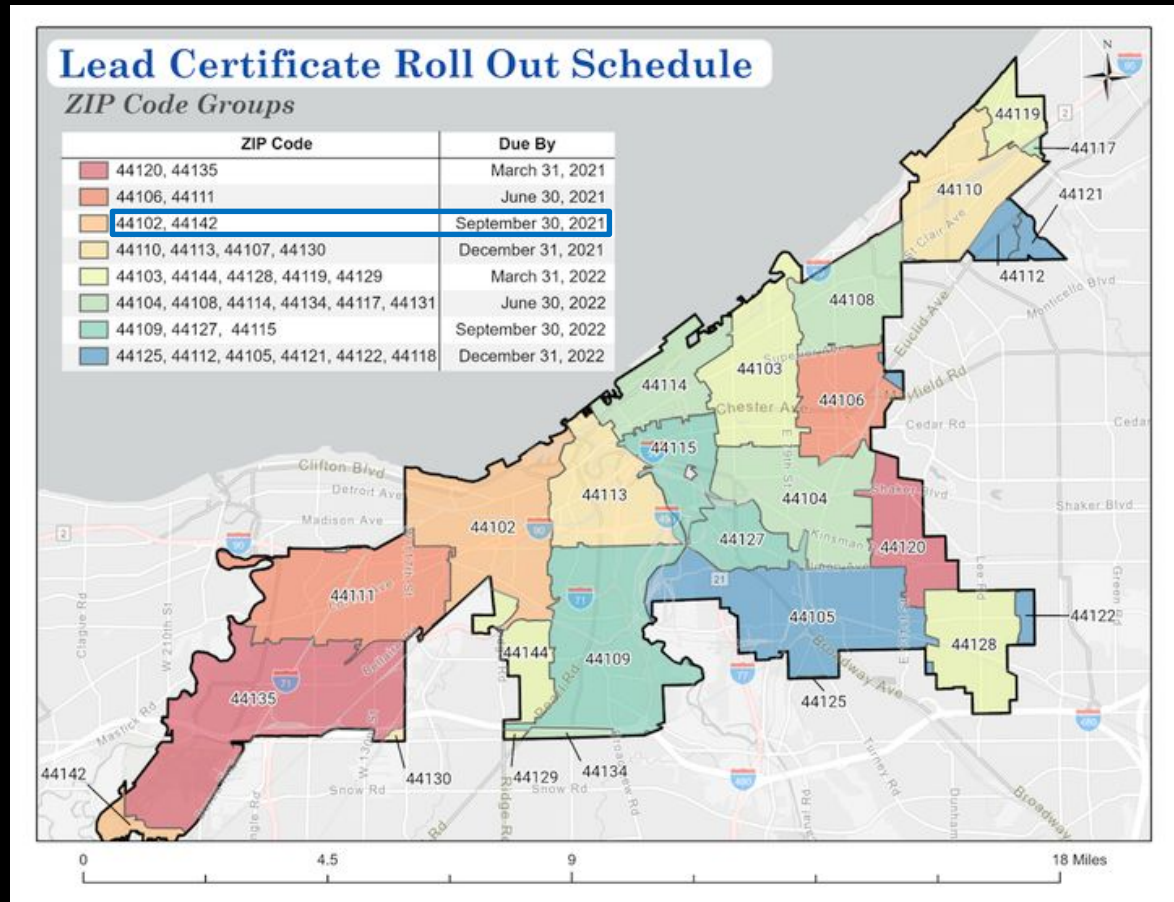
Beginning March 31, 2021, the City of Cleveland requires residential rental units built before 1978 to receive a Lead Safe Certification.

To get the certification, the property owner must provide to Cleveland's Director of Building and Housing a copy of a clearance examination or a lead risk assessment.

Inspections will be performed by private, state-certified professionals, showing that lead hazards were not identified in the unit.



# Zip Code Groupings for Lead Safe Certification Roll Out



# Resources for Landlords + Community

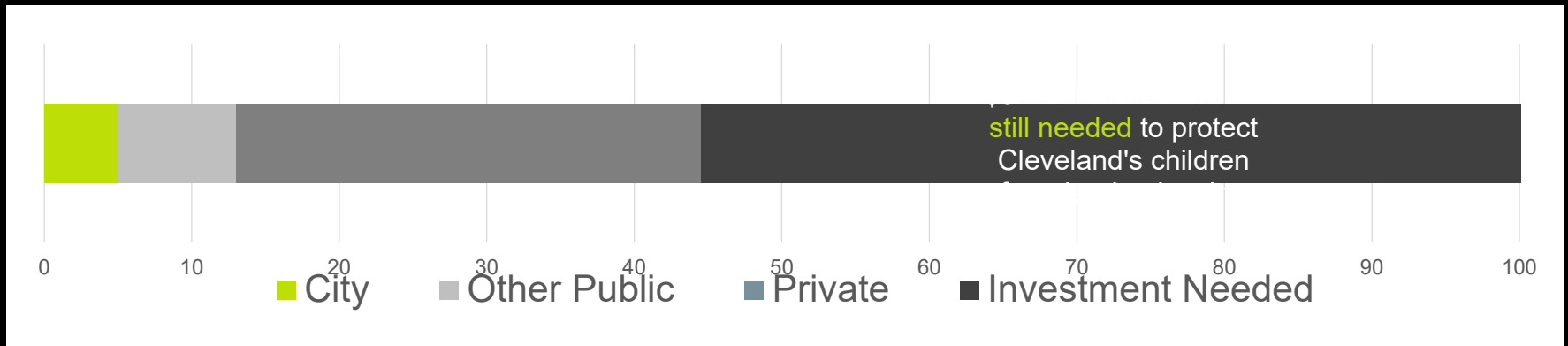
## Lead Safe Home Fund

- **First-of-its-kind** fund to support property owners and families achieve lead safety.
- 5 -year, \$99.4 million target budget
- The Fund encompasses two interrelated functions
  - 1) **Lead Safe Resource Center**
  - 2) **Lead Safe Home Loans and Grants**
- National RFQ + review process to select EHW & CHN



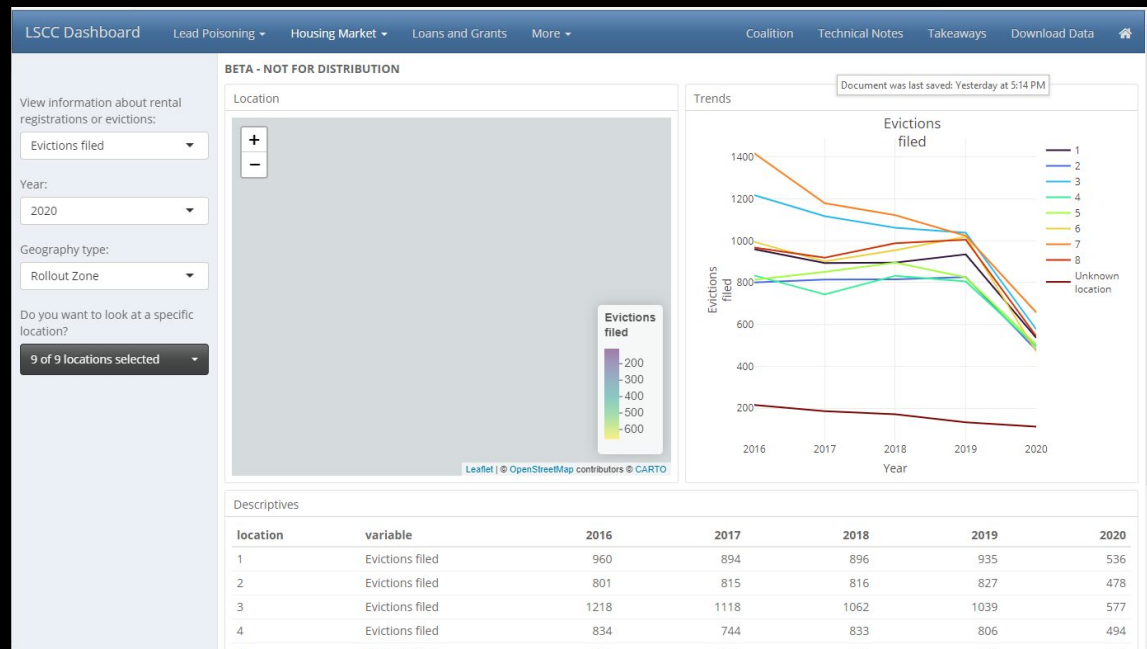
# Investments in Lead Safe Home Fund

- Over \$45 million raised to date, including public, philanthropic, and private sector investments



# Measuring Our Impact

- Role of the Lead Safe Auditor
- Monitoring the impact of the Lead Safe Certification
  - Quarterly reports
  - Public dashboard + comment portal



# City of Cleveland Lead Safe Boards + Commission

- **Lead Safe Advisory Board**
  - Oversight of Lead Safe Certification + Monitoring Impact
- **Lead Safe Housing Action Board**
  - Addressing potential displacement as a result of lead
- **Lead Screening and Testing Commission**
  - Increasing Screening and Testing
  - **Areas of Work**
    - Messaging about the effects of lead and the importance of testing
    - Using data to monitor rates and inform strategies
    - Improving service, early intervention, and care coordination
    - Collaborating with and advocating to Medicaid Managed Care organizations
    - Coordinating with existing quality improvement efforts and identifying potential changes within health systems

# Environmental Health Watch: Lead Safe Resource Center

**Chantal Tademy**

*Senior Director for People, Operations, & Culture*

Environmental Health Watch

Lead Safe Resource Center

# Lead Safe Resource Center

## What can we do for you?

- Answer your Qs about Lead Poisoning Prevention
- 'DIY' Lead Safe Remediation Trainings
- Lead Safe Workforce Trainings
- Lead 101 Trainings
- Lead Safe Certification Training
- Lead Safe Certification Process Navigation
- Connecting you to financial assistance and other relevant resources

LEAD SAFE  
**RESOURCE CENTER**  
IS NOW OPEN!

Visit the Lead Safe Resource Center at:  
**4600 Euclid Ave., Suites 320-322**  
**Cleveland, OH 44103**

Or Call our Hotline at:  
**833-601-5323**



**LEAD  
SAFE**  
CLEVELAND  
COALITION

# Lead Safe Resource Center Pillars



## Community Action Team

- **Disseminate** information to community members on lead safe activities and engagement in the city.
- **Activate** community bodies in the process of engaging systems and structures for changes towards lead safety.



## Landlord Tenant Engagement

- **Integrate** community landlords and tenants in the process of policy interaction with associated funding, lead safe certification, and lead safe leasing.
- **Educate** community members on the effects and importance of understanding lead and lead poisoning prevention.



## Call Center Hotline 1-833-601-LEAD (5323)

- **Navigate** community members to appropriate resources and teams to directly address lead safe measures and mitigation.



## Workforce Development

- **Remediate** community homes exposed to lead in compliance with lead safe certification policy.



# Lead Safe Certification Process

## 6 Steps to Lead Safe Certification :

1. Contact the Resource Center
2. Check your Property
3. Remediate Lead Hazards
  - Apply for Loan or Grant
  - Be responsible for your own work
  - Contract with a vetted worker
4. Clean your Property
5. Get Lead Clearance
6. Apply for Certification

"If we get a grip on this,  
we could start to see  
some real improvement  
in children's lives,  
in their school life,  
in their future life,  
in their future  
potential for  
careers."

Diana  
Real Estate Agent



# Vetted List of Lead Safe Workers

Vetted Lists are available at [LeadSafeCLE.org/6steps](https://LeadSafeCLE.org/6steps)



# Community Outreach and Education



Lead Safe Resource Center has been attending events and safely canvassing Cleveland neighborhoods with educational materials.

# Doorhangers + Direct Mailers



**THIS PROPERTY IS DUE FOR LEAD SAFE CERTIFICATION**

Attention Landlords! Your rental property is now due for Lead Safe Certification. The property owner could be fined for not acting now. If you are a tenant, please pass this on to your landlord!

**“GEAR UP AND GET READY TO DO IT BECAUSE YOU'RE NOT ALONE ANYMORE”**

Scott – Landlord

LEARN MORE BY CONTACTING THE LEAD SAFE RESOURCE CENTER  
833-601-LEAD (5323)  
[LeadSafeCLE.org/certification](https://LeadSafeCLE.org/certification)



**ESTA PROPIEDAD DEBERIA SER CERTIFICADA PARA LA SEGURIDAD CONTRA EL PLOMO YA!**

**ATENCION PROPIETARIOS!**  
Su propiedad de alquiler debería ser certificada para la seguridad contra el plomo. Los propietarios podran ser multados por No actuar inmediatamente. Si usted es un inquilino, por favor comuniquese a su propietario!

**“ANIMO Y PREPARESE PARA HACERLO, PORQUE YA NO ESTA SOLO ”**

Scott – Propietario

OBTenga MÁS INFORMACIÓN PONIÉNDOSE EN CONTACTO CON EL CENTRO DE RECURSOS SEGUROS DEL PLOMO  
833-601-5323  
[LeadSafeCLE.org/certification](https://LeadSafeCLE.org/certification)

**THE TIME TO ACT IS NOW**

**YOUR PROPERTY IS DUE FOR LEAD CERTIFICATION**

The City of Cleveland is requiring residential rental units built before 1978 to receive a Lead Safe Certification. Your property is due and this property may be fined for not acting now.

LEARN MORE BY CONTACTING THE LEAD SAFE RESOURCE CENTER  
**833-601-LEAD (5323)**

**WE HAVE AN OBLIGATION TO ENSURE THAT OUR TENANTS ARE SAFE IN THE PLACES THAT THEY'RE RENTING FROM US ”**

- Scott  
Landlord



**IT'S TIME TO ACT ON YOUR PROPERTY**

**HOW TO GET YOUR RENTAL PROPERTY LEAD SAFE CERTIFIED**

- 1 Contact the Resource Center
- 2 Check Your Property
- 3 Remediate Lead Hazards
  - Apply for Loan or Grant
  - Be Responsible for your own work
  - Contract with a vetted worker
- 4 Clean Your Property
- 5 Get Lead Clearance
- 6 Apply for Certification

If you own a rental property in the City of Cleveland that was built before 1978, visit [LeadSafeCLE.org/6steps](https://LeadSafeCLE.org/6steps) for more information

**LEAD SAFE**  
CLEVELAND COALITION

# Upcoming Trainings

## Lead 101 - Virtual

Postponed until Fall 2021

## Community -Based Lead Trainings: Lead 101 – In Person

Saturday, September 25<sup>th</sup> 10am – Estabrook Recreation Center

Tuesday, September 28<sup>th</sup> 6 pm – University Settlement

Saturday, October 2<sup>nd</sup> 10 am – Thurgood Marshall Recreation Center

Saturday, October 9<sup>th</sup> 10 am – Zelma George Recreation Center

Saturday, October 16<sup>th</sup> 10 am – Collinwood Recreation Center

Thursday, October 21<sup>st</sup> 6 pm – Journey Church

## Lead Safe Landlord Certification Process Informational – Virtual

Every Second Wednesday 11 am & 3 pm

Every Third Saturday 10 am

## Lead Safe Landlord Certification Process Informational – In-Person

Every Third Thursday 6 pm – Lead Safe Resource Center

## Urban Minority Alcoholism Drug Abuse Outreach Program

Spanish Community Fair

Saturday, September 26<sup>th</sup> 10 am - 44109

Saturday, October 23<sup>rd</sup> 10 am - 44109

# Stay Engaged

Coalition Convening – TBA – October 2021

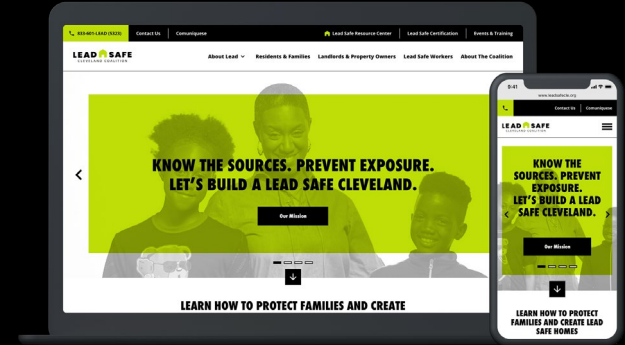
Check out upcoming Lead Safe Resource Center events at [linktr.ee/LeadSafeCLE](https://linktr.ee/LeadSafeCLE)

Monthly Loans + Grants Landlord Q&A Session – September 24<sup>th</sup> 3:00pm

Follow us [@LeadSafeCLE](https://www.instagram.com/LeadSafeCLE) on social media - Visit us at [www.lead safecle.org](https://www.lead safecle.org)

Call us at 833-601-LEAD (5323) - Email us at [info@lead safecle.org](mailto:info@lead safecle.org)

Contact us any time – We need your feedback!



THANK  
YOU!

LEAD SAFE  
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IS NOW OPEN!

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# Regional Lead Testing for At -Risk Children

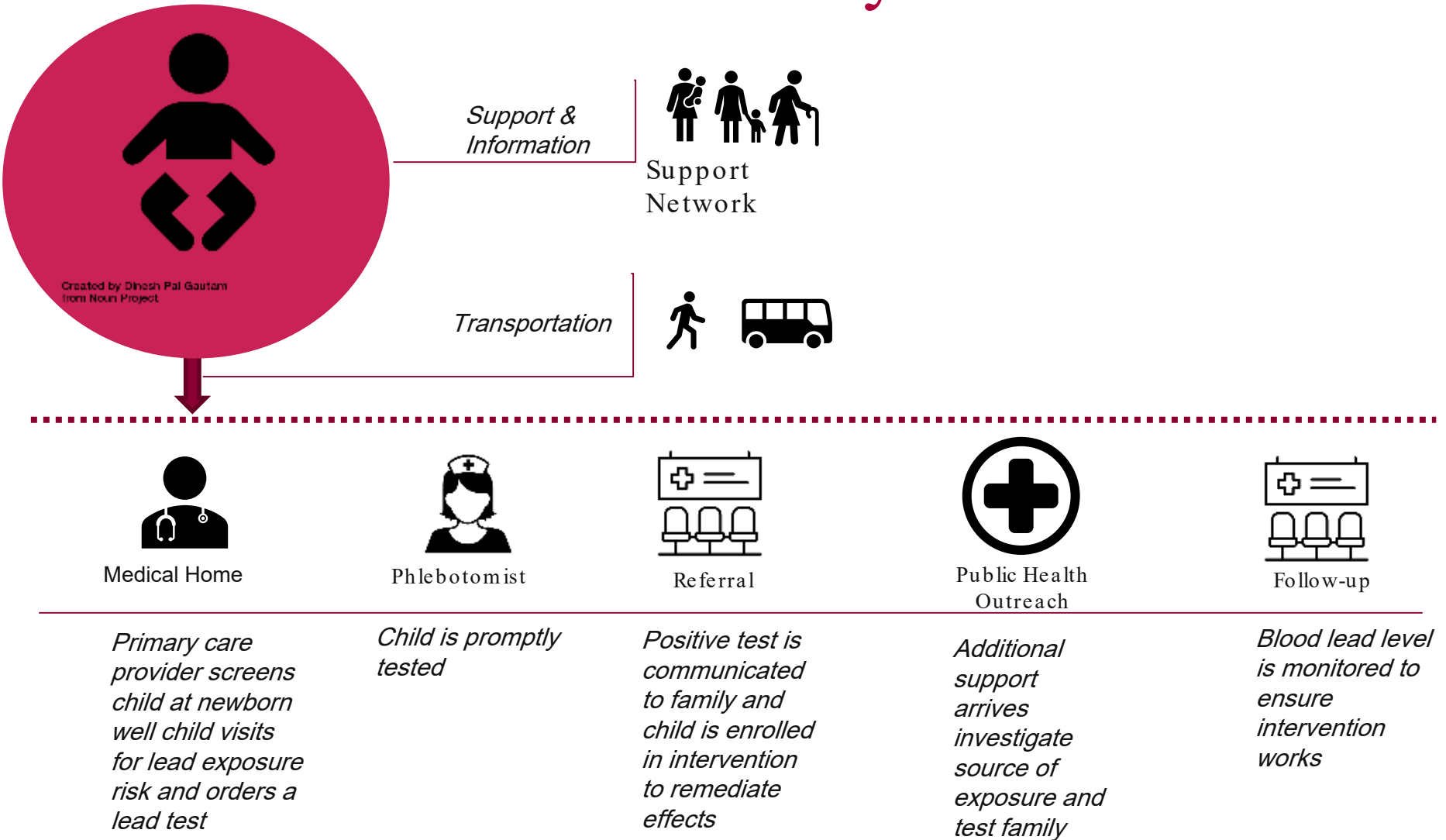
**Chris Mundorf, MPH, PhD**

*Director, Data Analytics & Reporting*

Better Health Partnership



# An Exposed Child's Journey to Recovery



# The Better Health Partnership Collaborative



Over 300,000 Children (<18)

- Akron Children's Hospital
- **Care Alliance Health Center**
- Circle Health Services
- **The MetroHealth System**
- **Neighborhood Family Practice**
- Sender's Pediatrics
- **UH Rainbow Babies & Children**

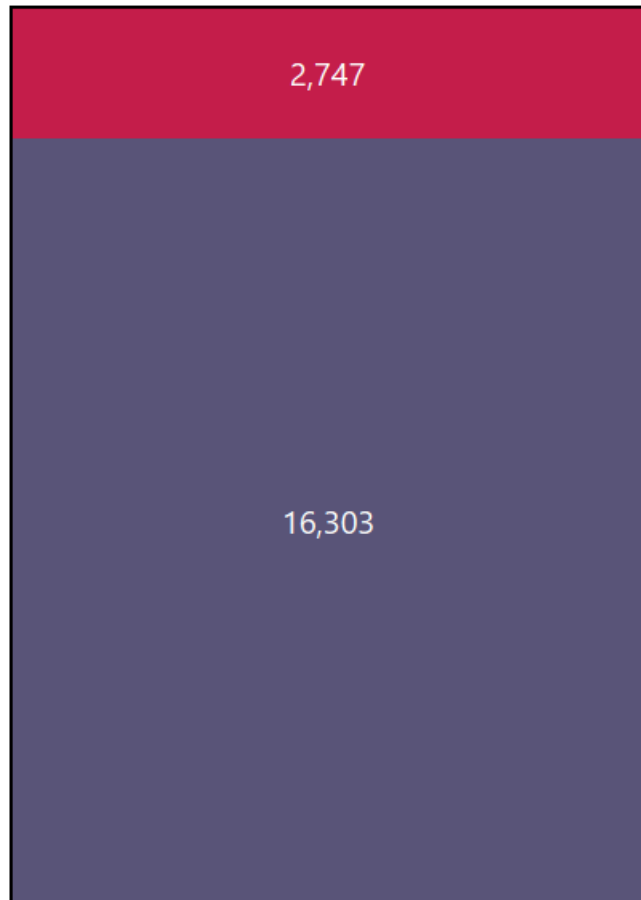
Over 190,000 Adults

- Asian Services in Action
- Care Alliance Health Center
- Circle Health Services
- Lake Health System
- The MetroHealth System
- Neighborhood Family Practice
- NEON
- Northeast Ohio VA Healthcare System
- Summa Health

# Pilot Results

Among Cuyahoga County Children (1 -3 yrs.), 2019 -20

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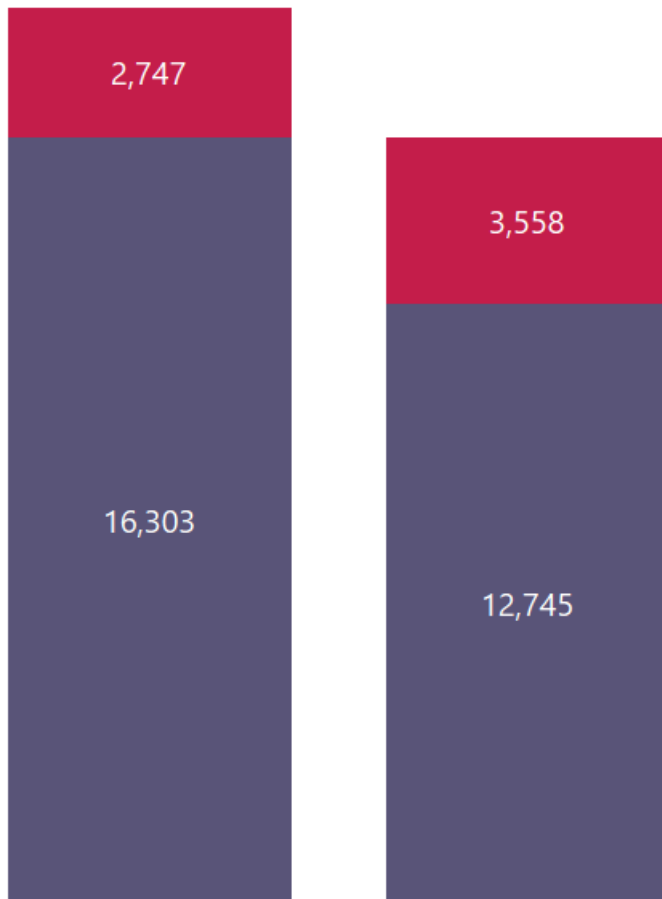
16,303 of Cuyahoga County children (85.6%) needed a lead test (either had Medicaid insurance, or lived in an at -risk ZIP Code)

# Pilot Results

Among Cuyahoga County Children (1 -3 yrs.), 2019 -20

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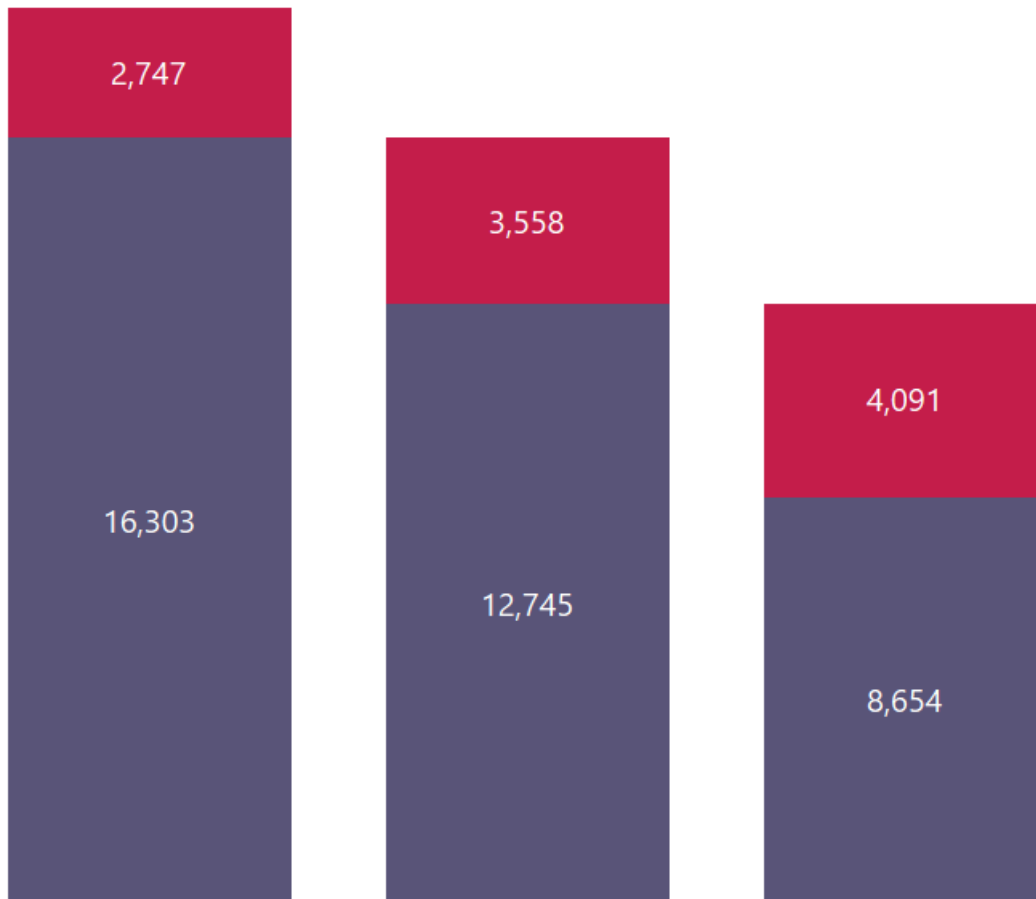
12,745 of those children  
(78.2%) had a lead test  
ordered



# Pilot Results

Among Cuyahoga County Children (1 -3 yrs.), 2019 -20

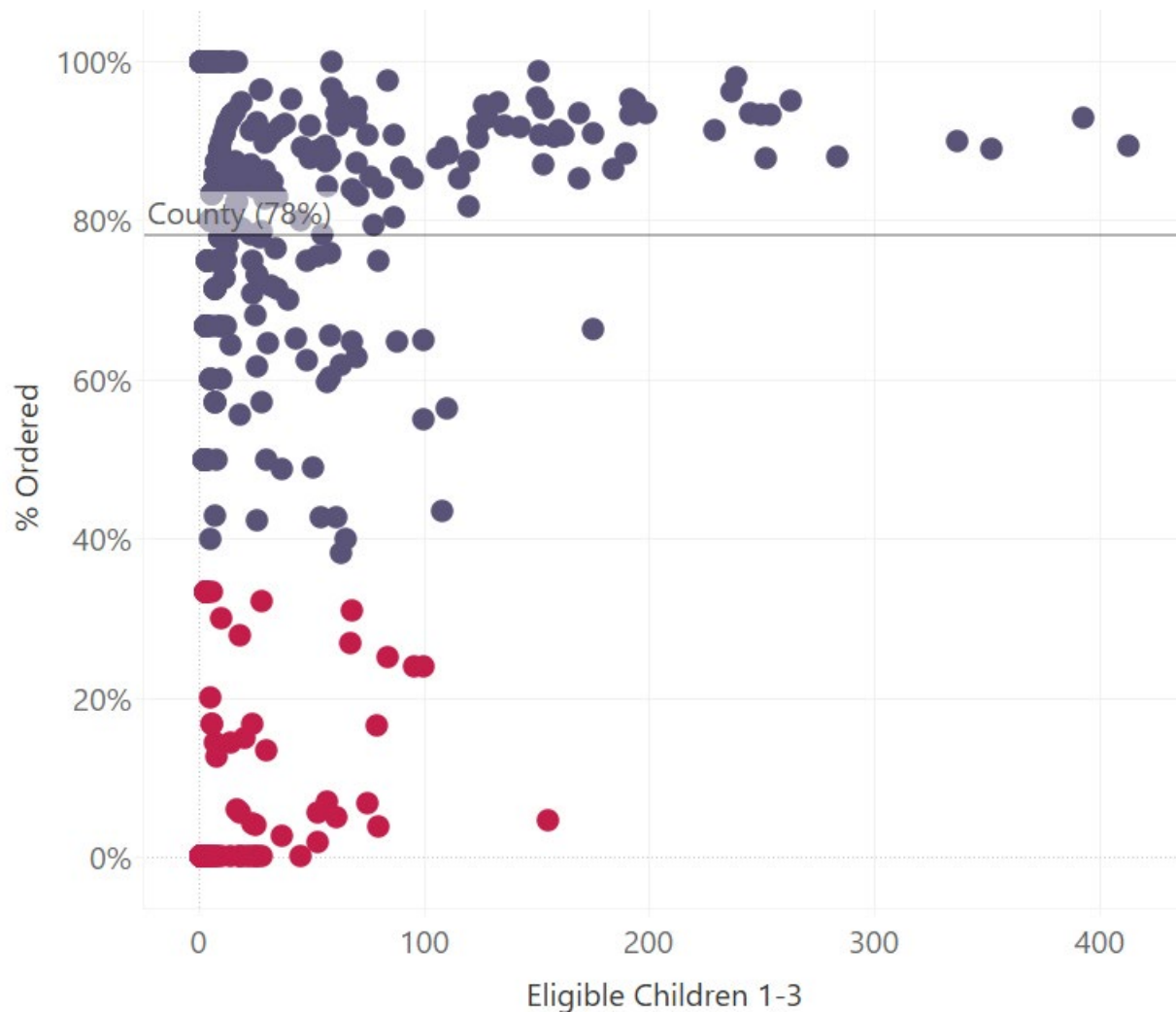
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Of those with an order, 8,654 (67.9%) successfully had their lead levels measured

# % of Children (1 -3 yrs.) with Lead Lab Order

By Provider



41% (1,510) of the children missing their lead order are seen by just **18% of the regional providers**

# % of Children (1 -3 yrs.) with no Lead Test

By Whether Child Had a 2020 Well -Child Visit

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63%

44%

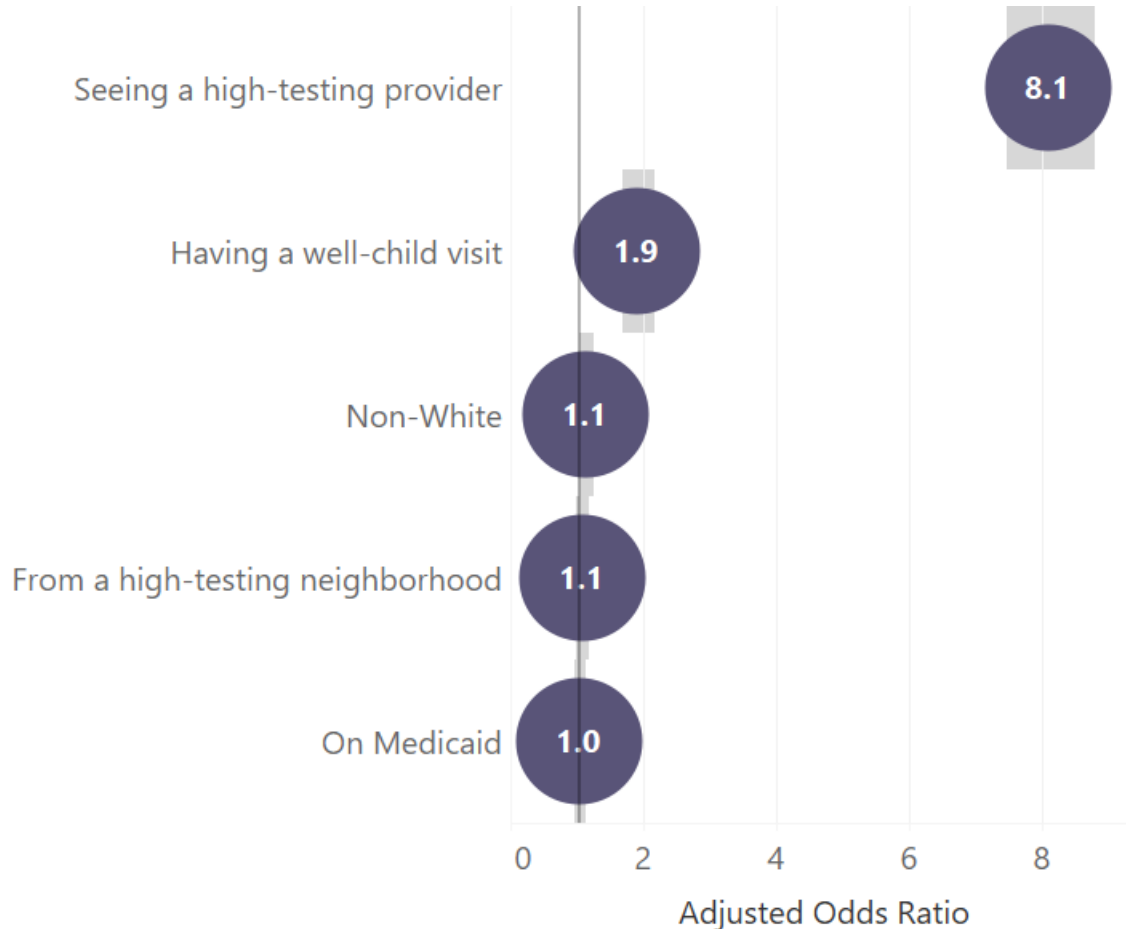
Sick Visit But No Well-Child Visit

Well-Child Visit

Children without a 2020 well-child visit were **67%** more likely to be missing a lead order

And **46%** more likely to also be missing a lead test

# Predictors of a Child (1 -3 yrs.) Getting a Lead Test



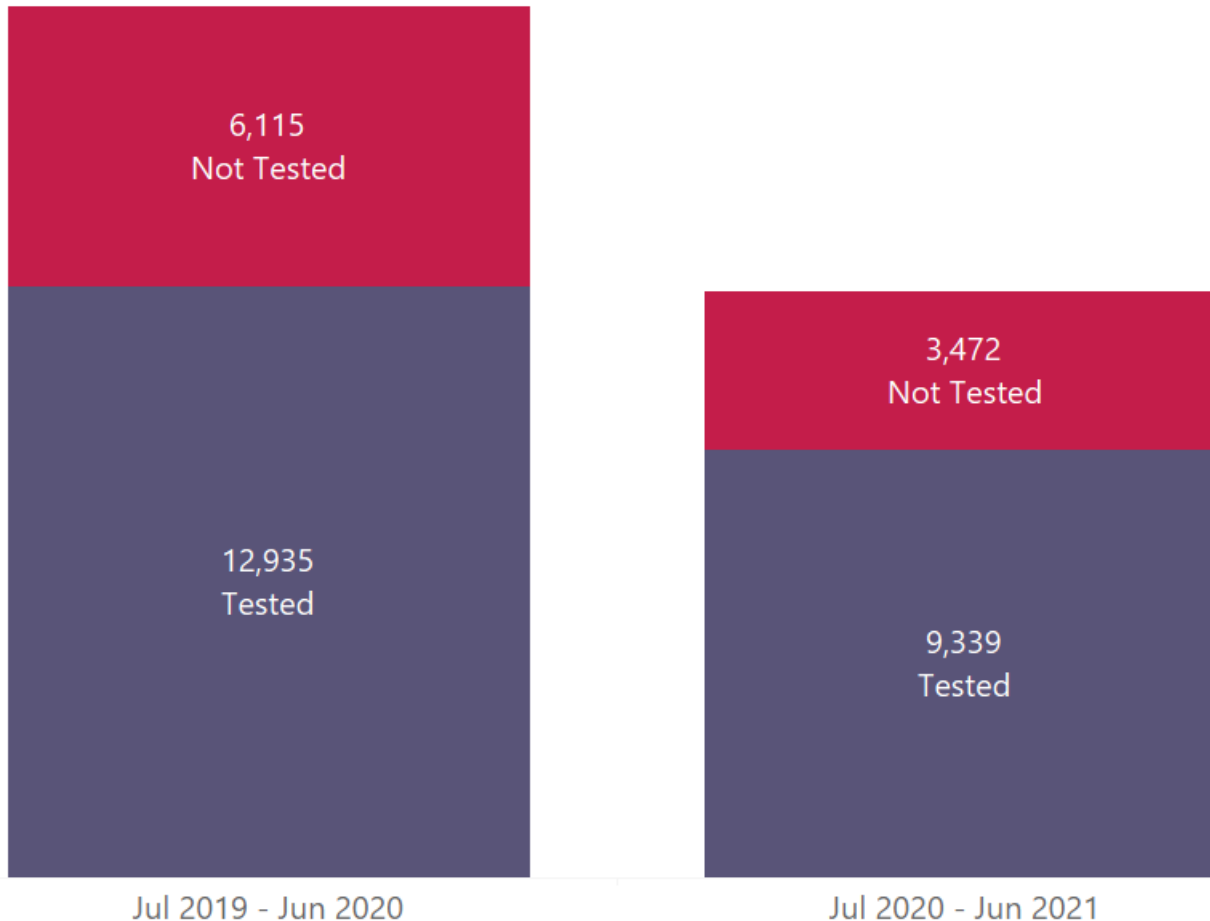
Controlling for a child's insurance, residence, and race/ethnicity – two aspects predicted their testing

- Their provider
- What type of visit they had



# At-Risk Children Without Lead Test

% of Children 1 -3 Without Any Lead Test, by Reporting Period

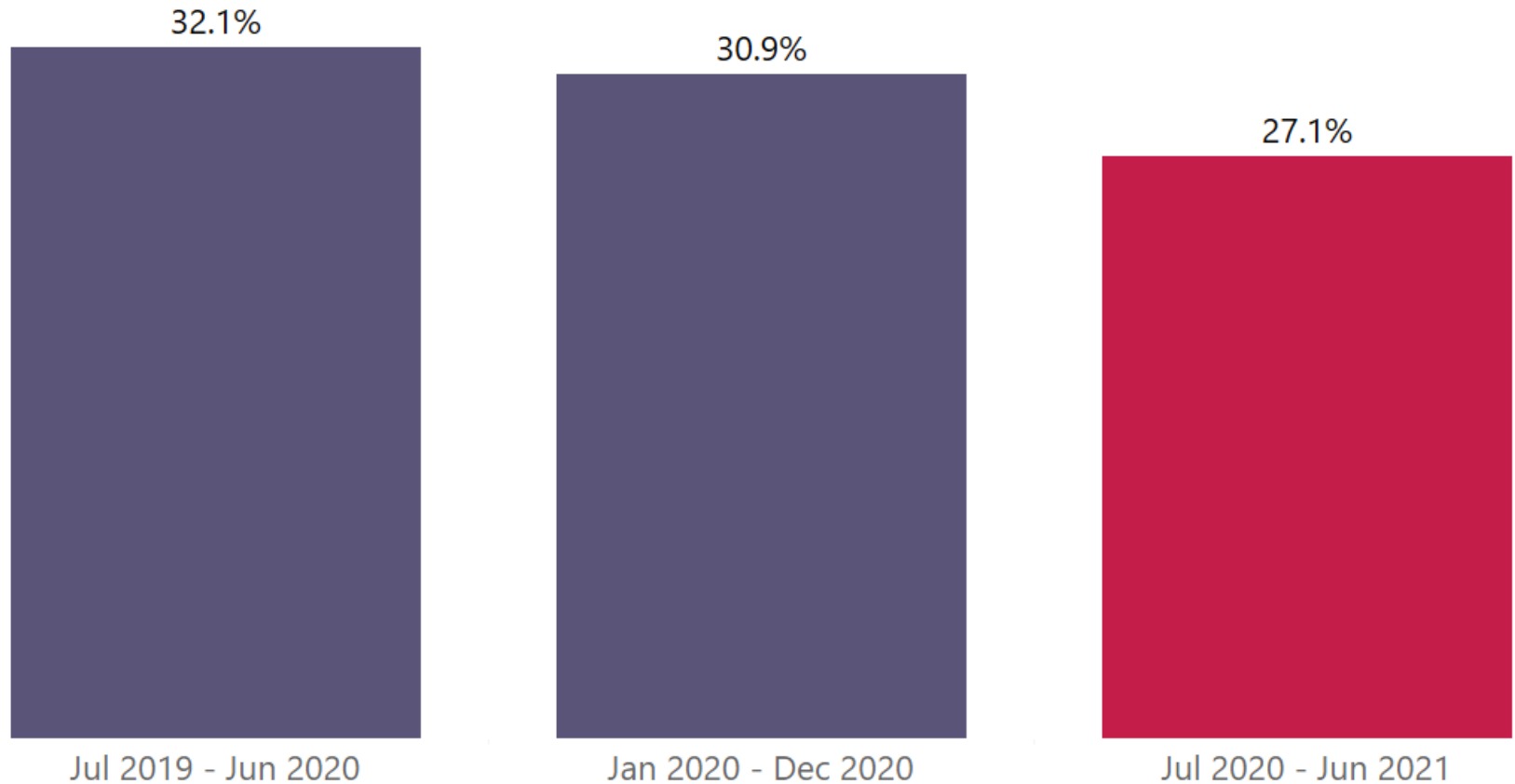


6,240 fewer  
children  
came in for a  
visit

# At-Risk Children Without Lead Test

% of Children 1 -3 Without Any Lead Test, by Reporting Period

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Among Cuyahoga County children with a doctor's visit during the reporting period and either living in a high -risk ZIP Code or on Medicaid

# Closing gaps in Lead Testing and Referrals Innovative Provider Strategies

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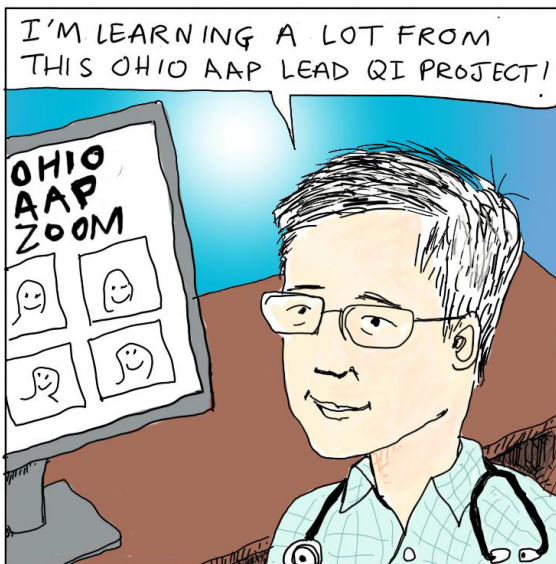
**Matthew Tien, MD**


*Co-Chair, MetroHealth Lead Coalition*

The MetroHealth System

*Asst. Professor of Pediatrics*

Case Western Reserve University School of Medicine





***System* quality goal:**  
**% of patients with lead test by 2<sup>nd</sup> birthday**

**Baseline** (2019):

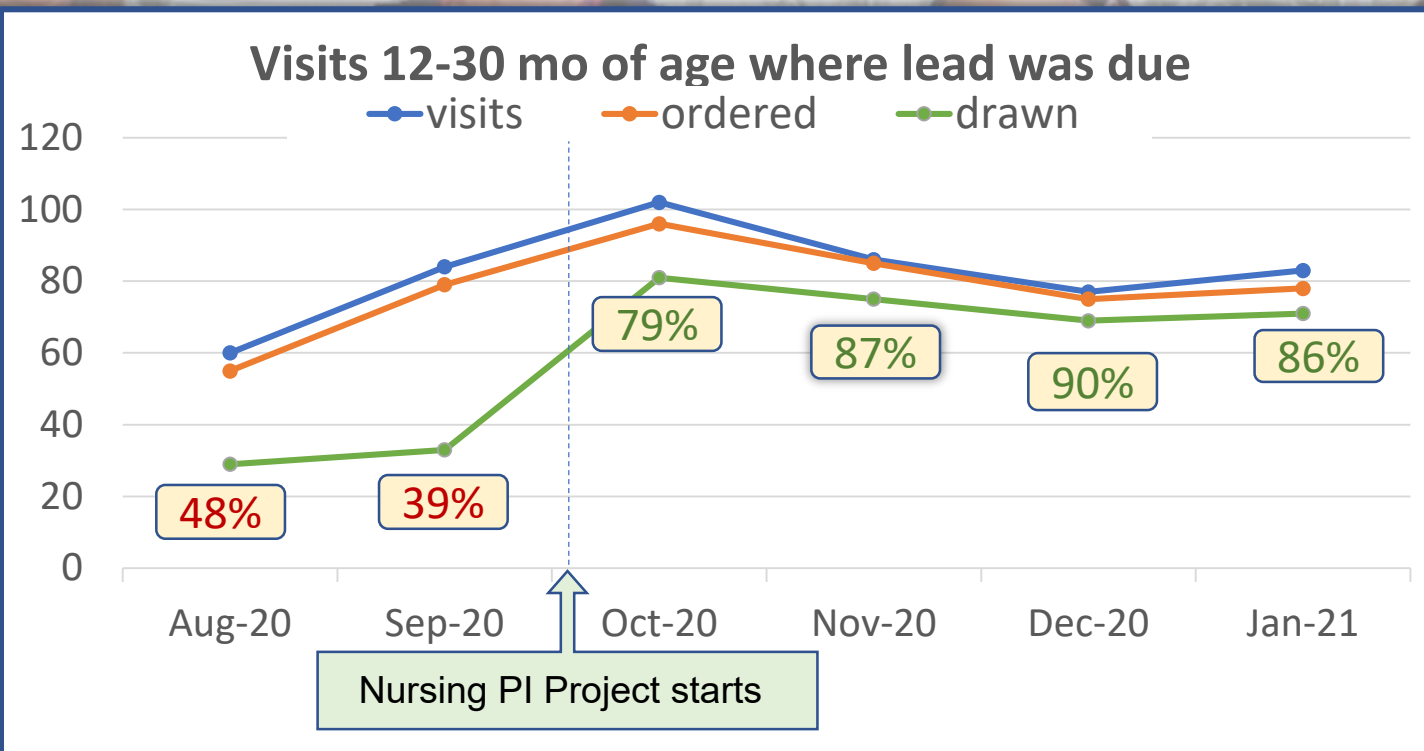
**57%**

# Children missing lead tests





# Drawing the blood in clinic works!



# Convincing other sites...

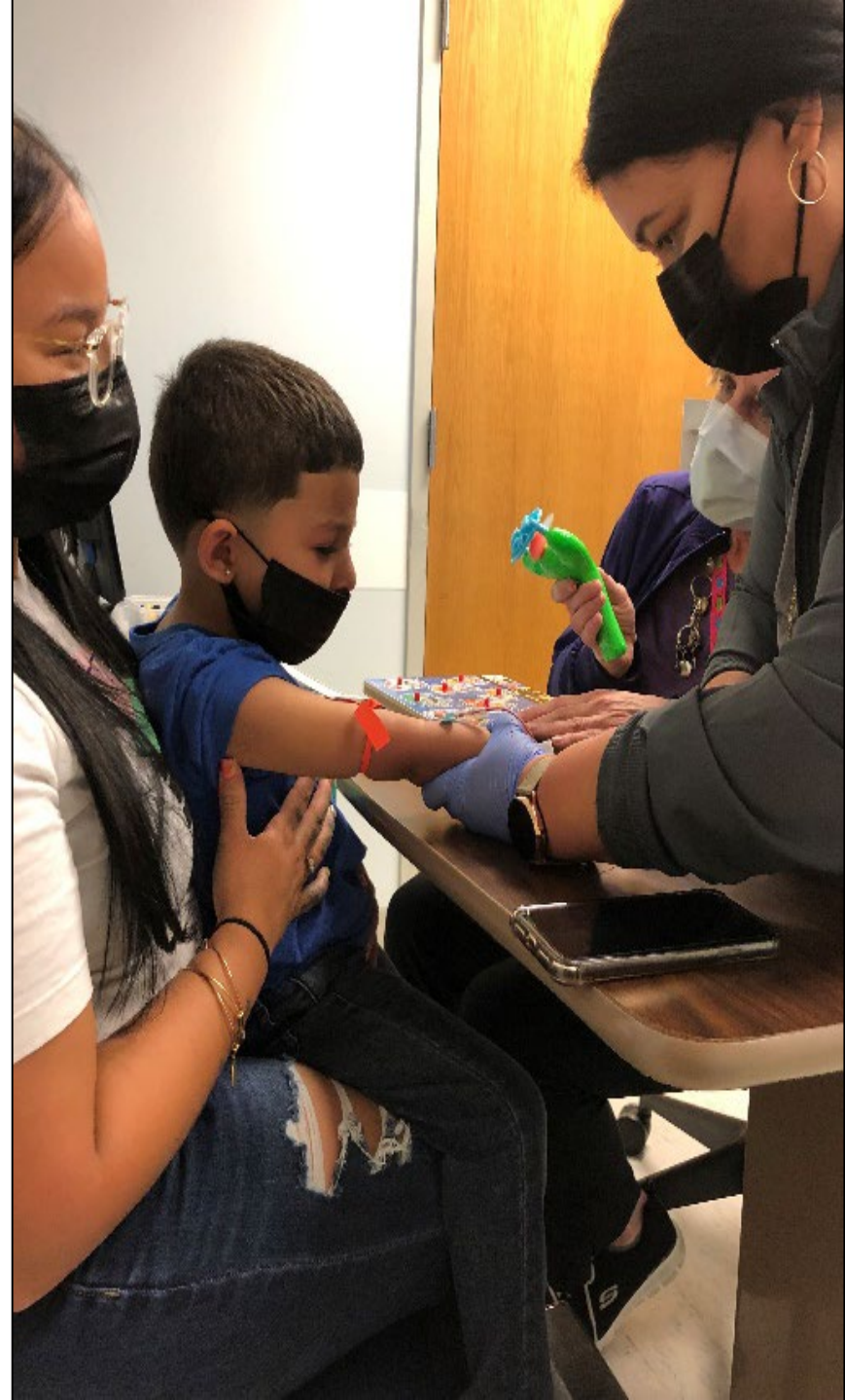
Having a good report was *key*

- Patient is due for lead
- Was lead ordered at the visit? Drawn at the visit?
- Filters
  - Department
  - Age of patient
  - Well visit vs. sick
  - Clinician

Assembled a clinical workflow committee

Visits to sites

Started a lead quality “newsletter”





# Adopt improved workflows system -wide

June 2021				July 2021			August 2021		
Site	Visits	Lead ordered	Lead drawn	Visits	Lead ordered	Lead drawn	Visits	Lead ordered	Lead drawn
A	22	17 (77%)	15 (68%)	7	7 (100%)	6 (86%)	11	11 (100%)	11 (100%)
B	14	14 (100%)	2 (14%)	25	24 (96%)	19 (76%)	22	21 (95%)	19 (86%)
C	6	6 (100%)	4 (67%)	5	4 (80%)	1 (20%)	3	2 (67%)	0 (0%)
D	33	31 (94%)	25 (76%)	29	26 (90%)	24 (83%)	43	42 (98%)	37 (86%)
E	19	14 (74%)	13 (68%)	23	21 (91%)	17 (74%)	24	20 (83%)	14 (58%)
F	9	9 (100%)	8 (88%)	5	3 (60%)	3 (60%)	4	3 (75%)	2 (50%)
G	18	18 (100%)	16 (89%)	16	16 (100%)	15 (94%)	11	9 (82%)	9 (82%)
H	6	6 (100%)	2 (33%)	6	6 (100%)	2 (33%)	10	10 (100%)	5 (50%)
I	6	5 (83%)	4 (67%)	0	n/a	n/a	5	5 (100%)	5 (100%)
J	19	15 (79%)	9 (50%)	22	16 (73%)	9 (41%)	19	17 (89%)	15 (79%)



Lead drawn on same day of visit (overall): **49% → 72%**

% of pts with lead by 2nd birthday: **57% → 65%** (projected)

# Reaching out to patients we *haven't* seen...

☒ Automated text messages



☒ Patient portal messages



☒ Telephone outreach (CHW)



☐ Go out into the community



*Mobile unit*



*Home visiting program*

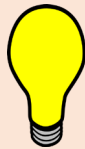
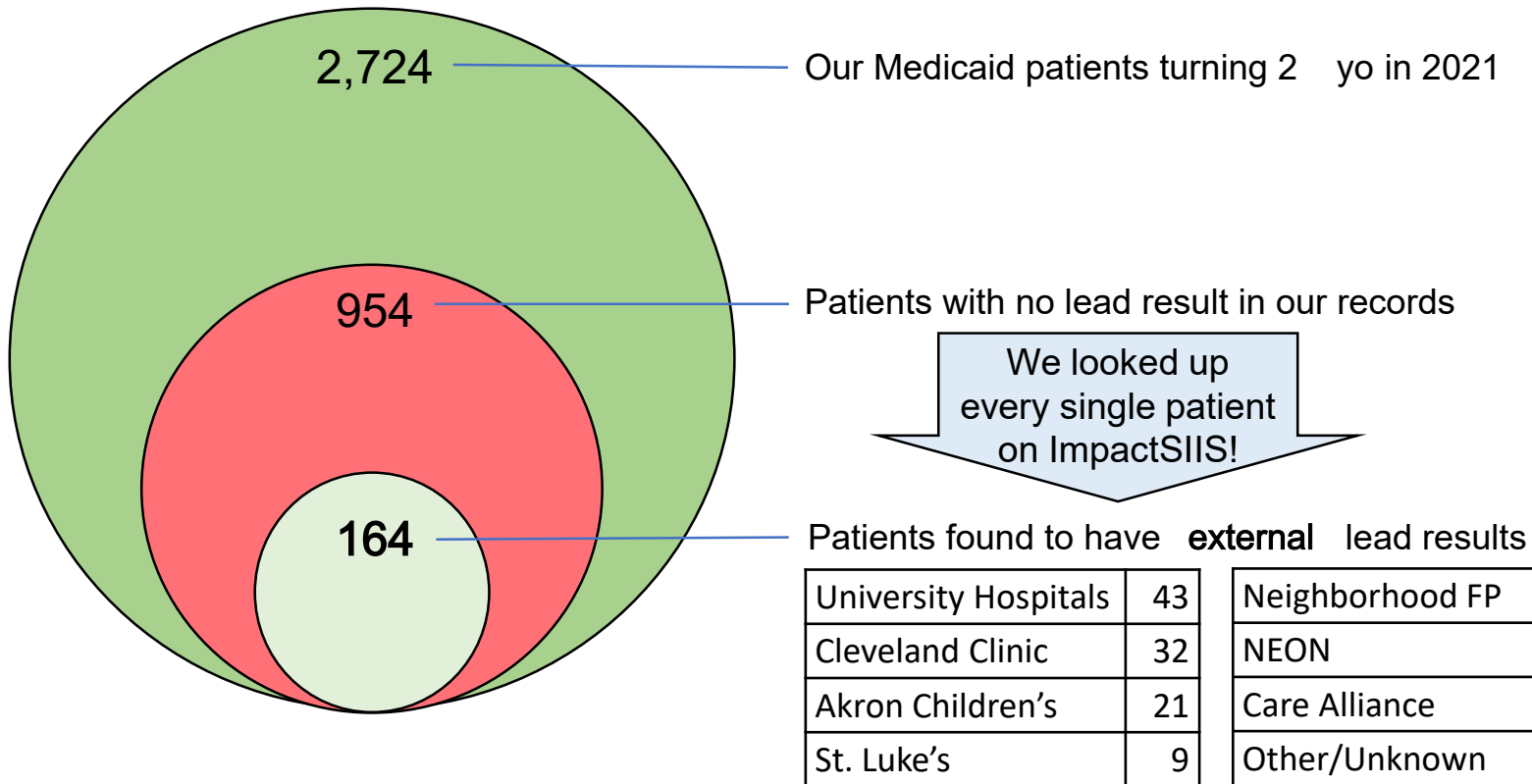


*Catch kids when they come to WIC*



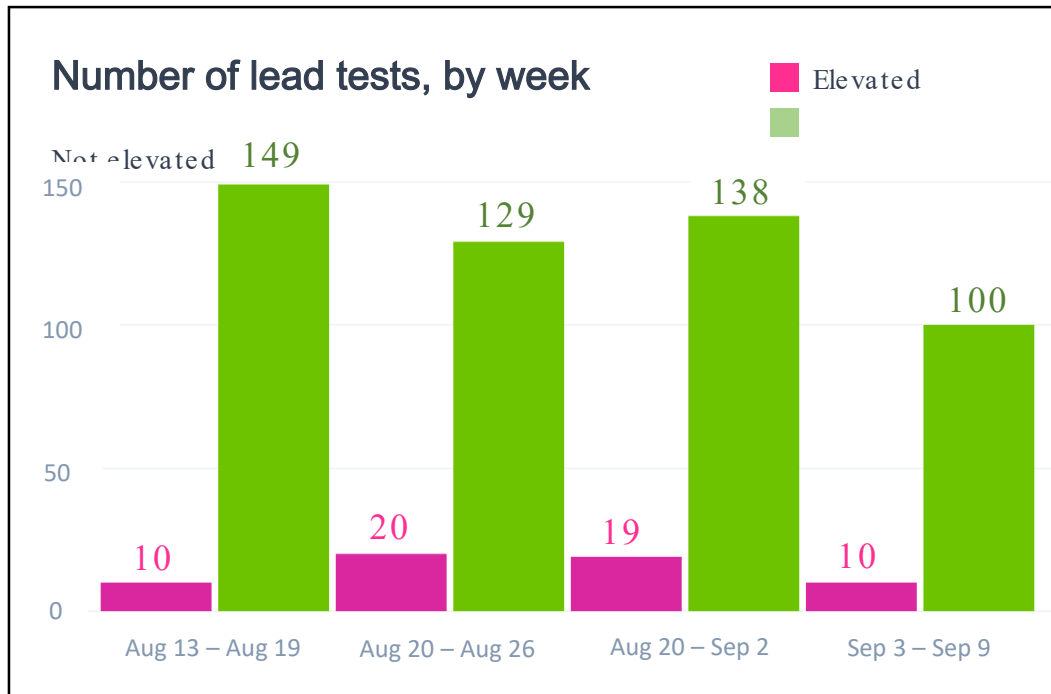
*Partner with MCO's*

# Did some kids get lead testing elsewhere?



There must be a better way to do this!

## Can we also do more to help patients with elevated lead?



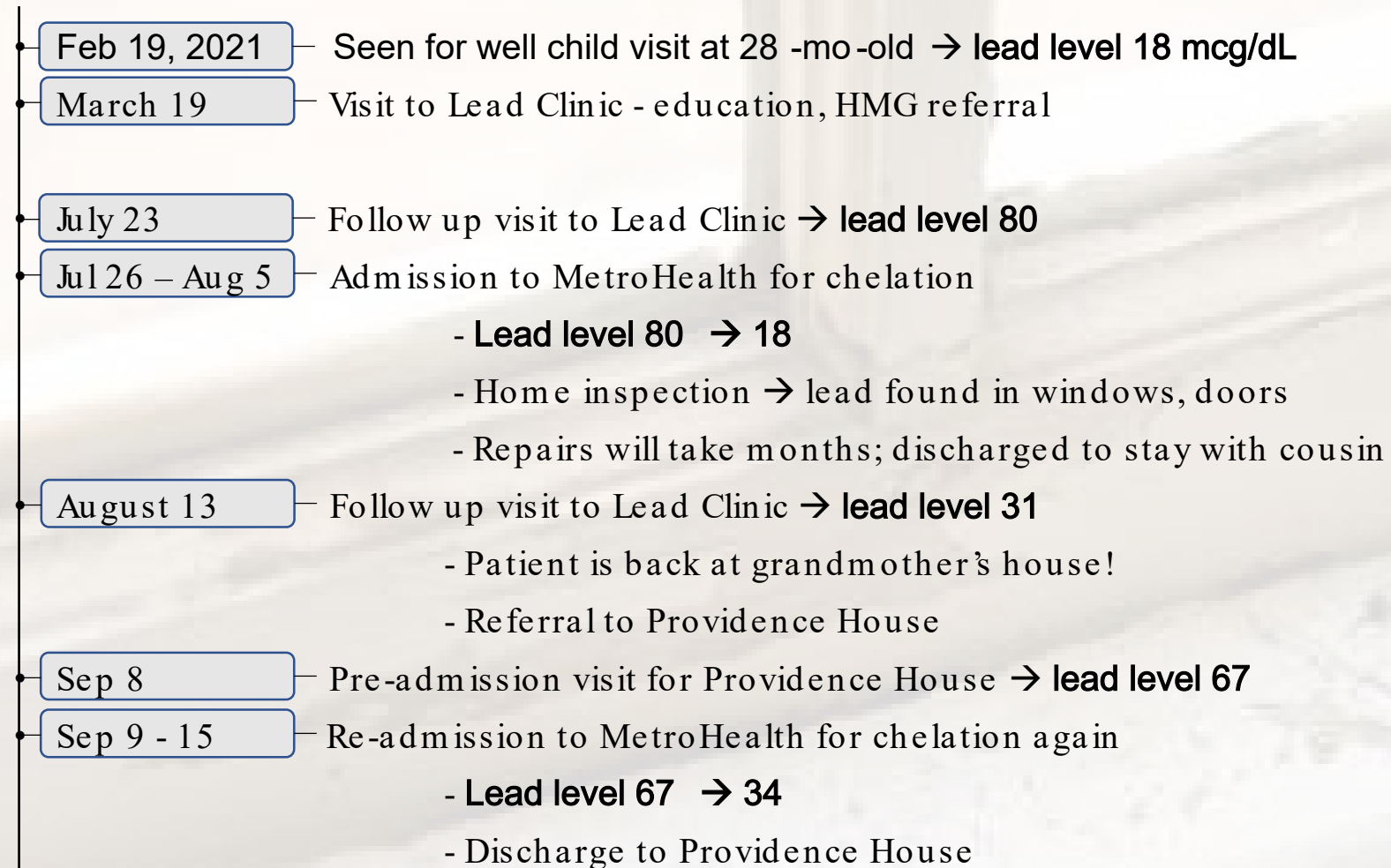
**Metric to track timely follow-up**

- Was elevated lead repeated w/in 6 mos?
- Currently for MHS → **58%**

**Lead Clinic for pts  $\geq 10$  mcg/dL**

- Neuropsychology
- Community Advocacy Program (legal)
- Monthly case reviews

# Case: 34-month -old boy







## Next steps...

- Bulk/standing order + *alert*

- Neighborhood outreach

- Collaborating with you?

# Takeaways

Make it a *system* quality goal

Good reports are your friend

Draw the lead in clinic, not the lab

It doesn't end with drawing the lead test

Let's work together!





# Pediatrics Walk-In Clinic

Thank you!

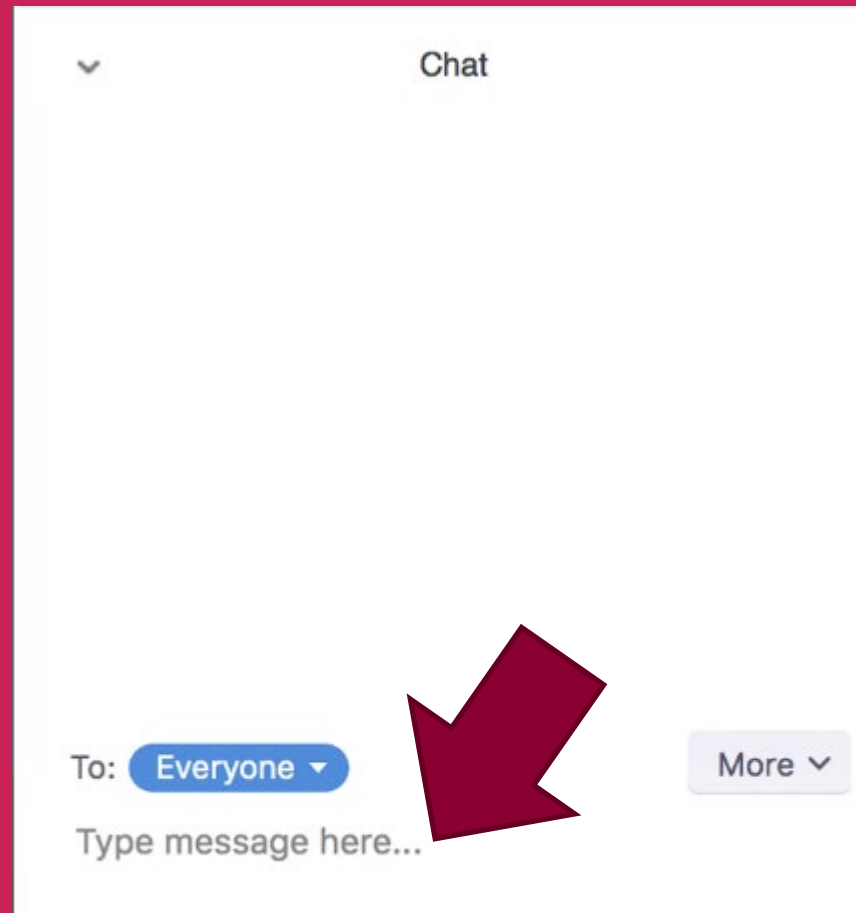
Matt Tien

[mtien@metrohealth.org](mailto:mtien@metrohealth.org)





Questions?  
Please submit through chat function



# Thank you!



[www.betterhealthpartnership.org](http://www.betterhealthpartnership.org)